

Comesterogroup
Competitive Through Innovation



CATALOGUE

Coin/banknote validators
Coin sorters
Cashless systems
Coin hoppers
Coin/banknote change machines
Carwash start systems
Cash points
Control devices
Coin/banknote counters
Accessories

**Automatic payment
systems**

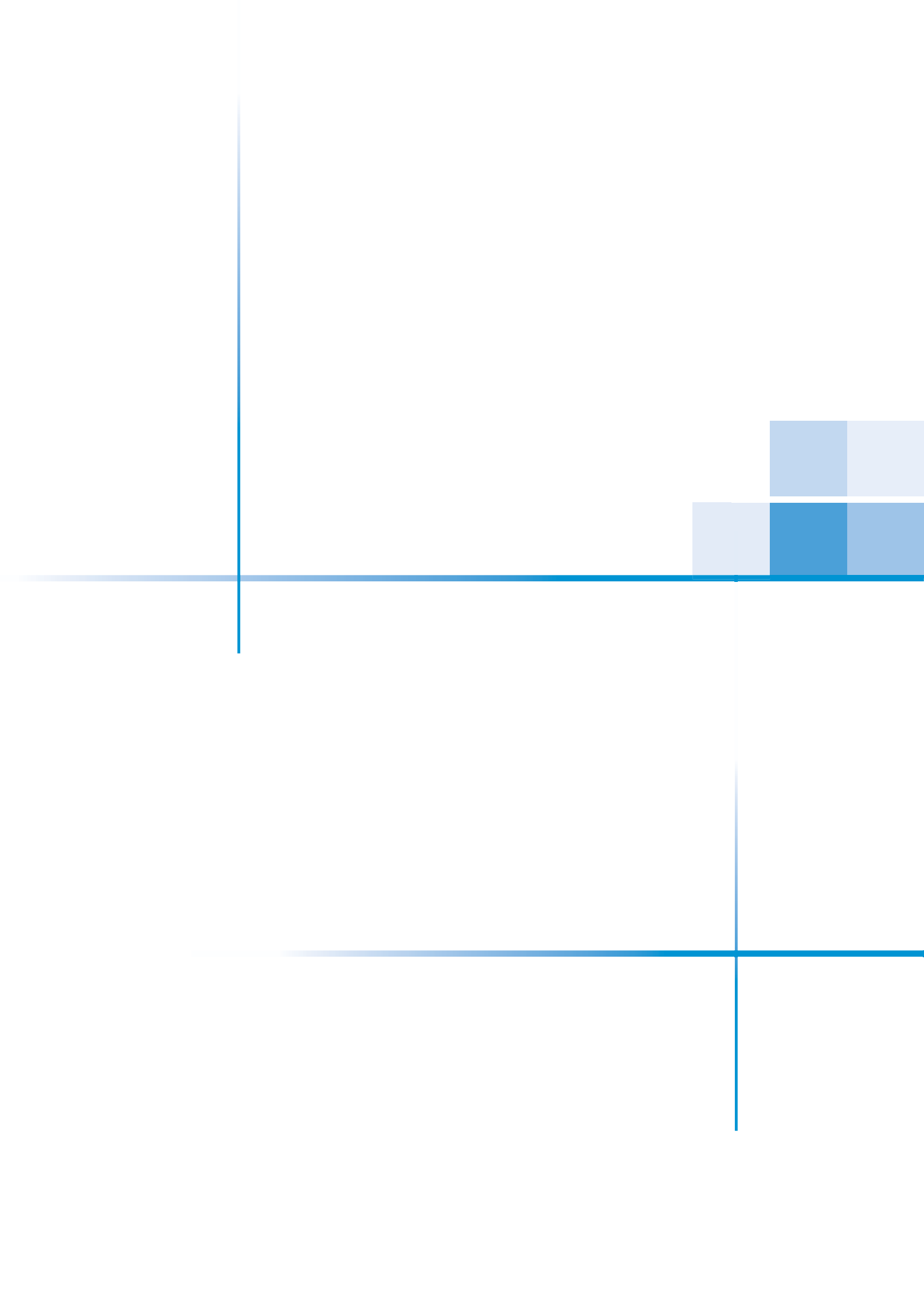
**Self-service
equipment**

**Automated payment
systems**

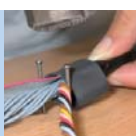
**Self-service
equipment**



Comestergroup
Competitive Through Innovation



Company profile



COMESTEROGROUP

Comestergroup is a world leading company in the supply of payment systems and self-service equipment.

Founded in Italy during the 1970's, the company quickly became an international Group with branches in France, Poland, Spain, Germany and UK, and with a representation office in Argentina.

The Group's wide and articulated product range includes coin and banknote validators, cashless payment systems, coin/banknote change machines, carwash start systems, cash points and coin and banknote counters.

Comestergroup recently obtained ISO 9001:2008 certification, as further confirmation of its great commitment to its customers for the respect of increasingly high quality standards. Creating a quality management system that is shared by all the company staff is a demonstration of the maturity now reached by the company and a basis for tackling new development projects.



Comestergroup
Competitive Through Innovation



UNI EN ISO 9001:2008
Certificate nr. 50 100 9945

Our Mission

To become a company providing a whole world of payment system solutions to professionals throughout both the Italian and International markets



The quality of the products, together with the Group's position among the leaders in this sector, are the tangible results of close-knit teamwork: in fact, the entire company personnel work in close synergy, integrating skills and experience to provide customers with targeted solutions.

This philosophy, combined with continuous investments in Research and Development, has enabled the company to meet the requirements of various markets: from those traditionally involved in self-service facilities, such as gaming, vending, carwashes and laundrettes, to those of more recent acquisition, such as tourism and industry, as well as public and sports facilities.

Our philosophy

Teamwork and Excellence above all



Thanks to a network of Distribution and Assistance Centres working in direct contact with the foreign branches and main offices, today the 11,000 m² Italian production plant manufactures products for over 50 different countries worldwide. The company has also structured its own internal organisation so that 30% of the workforce is dedicated to customer care, thereby guaranteeing timely intervention and operative support for every customer requirement. Customer service is also provided by means of the multi-language company website, with specific dedicated areas.

Continuous innovation, product quality and customer satisfaction are the elements which have always distinguished Comestergroup and have made its success possible, with over 1,000,000 coin validators currently on the market.



The passion for excellence that characterises the Italian head quarters is also shared by the branches and representative offices around the world: in fact, Comestergroup France, based just outside of Paris, is a dynamic environment that has managed to firmly establish itself in the vending, carwash, gaming and multimedia sectors, in just seven years.

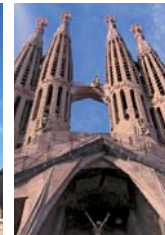
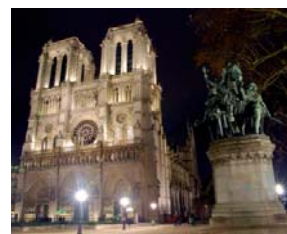
Comestergroup Polska enjoys a strategic position, thanks to the Eastern European and Baltic markets, and boasts a close-knit sales team and a highly qualified service department.

Comestergroup España is based in the city of Barcelona and, since its founding in 2002, has successfully demonstrated the exportability of Comestergroup products in the Iberian peninsula.

The recently established Comestergroup Deutschland is the result of a joint venture between Comestergroup and one of its main partners, Innovative Technology. The German branch can rely on the proven experience of these two great companies to meet the requirements of the German market.

Comestergroup UK handles the UK and Irish markets.

Finally, the Argentina representative office gives Comestergroup an insight into the needs of customers throughout Central and South America.



Our Convictions

The contribution provided by each company employee is an element that catalyses the factors of success. Diversity is a fundamental value. The creation of a fertile environment for the development of new ideas and passion for new things enable us to go beyond customer expectations.



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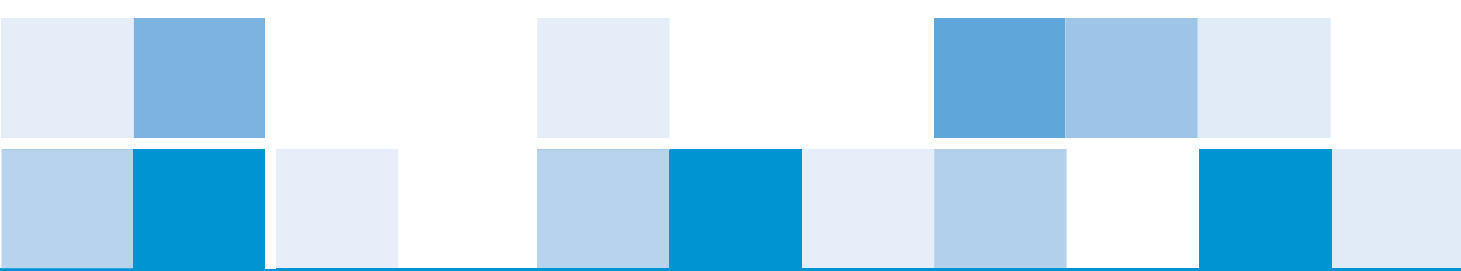
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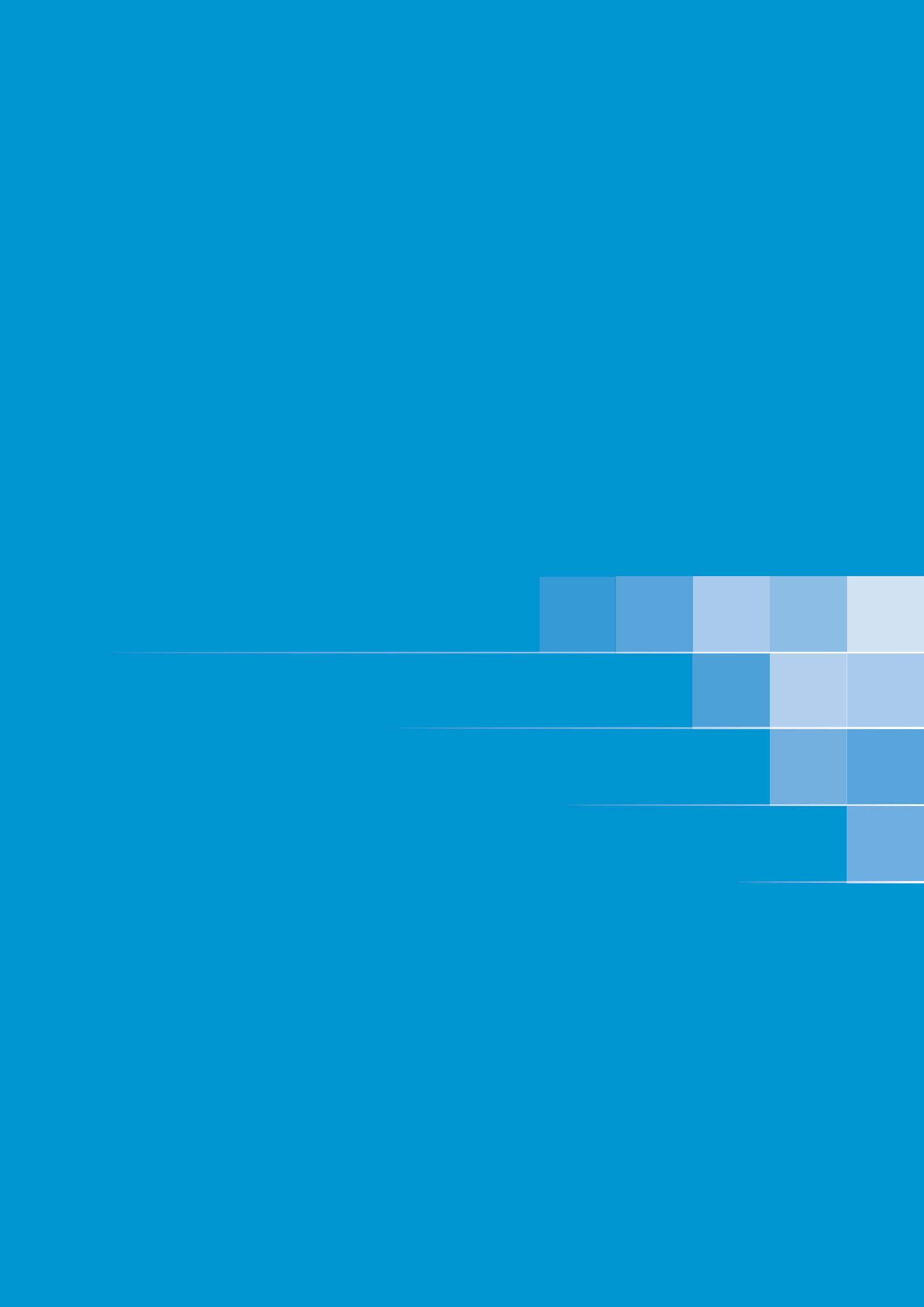
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Coin validators

A wide range of coin validators, which meet even the market's most demanding requirements. They are equipped with various recognition parameters which guarantee excellent levels of coin/token acceptance and counterfeit discrimination.

The labels for some models can be customised in order to allow increased visibility of the company logo.

- RM5 HD
- RM5 HDT
- RM5 Evolution
- RR6 HD
- B100
- B300
- B400
- B700
- Comparison-based

RM5 HD

The new coin validator with the HD high-discrimination system

The new RM5 HD coin validator has set new reference standards in coin validation.

Through 5 different sensors and 10 recognition parameters, it ensures a high level of recognition and discrimination of valid and counterfeit coins with an unprecedented speed of 6 coins per second (even of different values).

This innovative type of construction ensures strength and durability, while advanced electronic and mechanical anti-fraud systems guarantee excellent security in all its various installation modes. The coin validator label can be customised in order to allow increased visibility of the company logo.

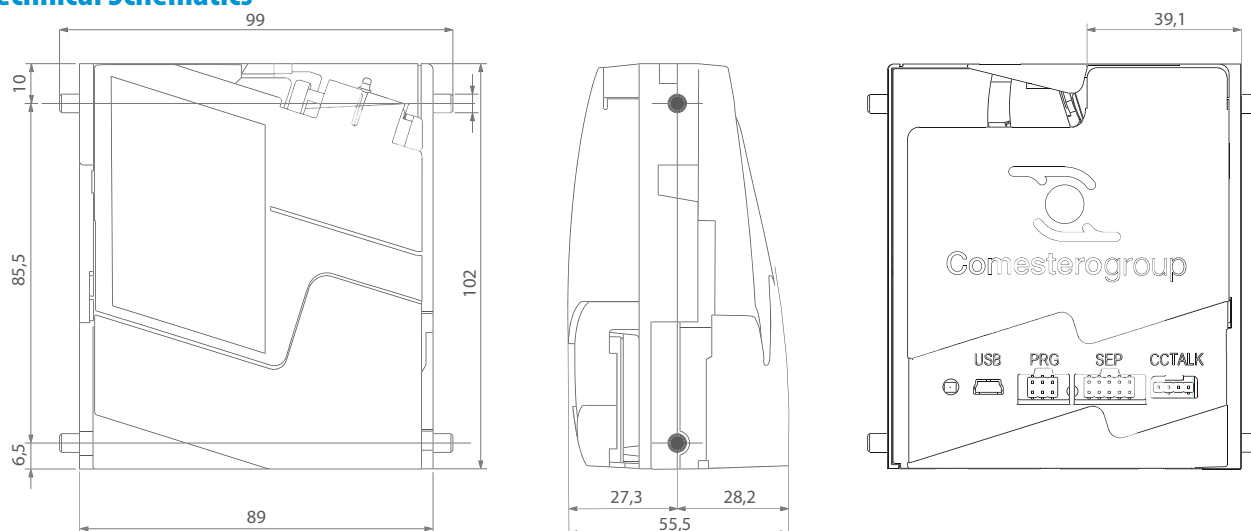


Features

- HD high-discrimination system based on 10 different parameters regarding: frequency, dimensions and phase.
- 5-sensor identification technology: 3 inductive sensors, 1 optical sensor and 1 magnetic sensor.
- High acceptance speed: 6 coins per second, even of different values.
- Compatible with all coin sorters available on the market.
- Advanced electronic and mechanical anti-fraud system: electronic antifishing device, coin movement direction detection, 3 mechanical traps, and wire cutting blade.
- Innovative construction and design.
- Indicator LED.
- Also available in tropicalised version to adapt to environments exposed to weather agents.
- Also available in USB version.



Technical Schematics



Note: Unit of measure: mm

Tools

MultiConfig

Program for configuration via PC, which can be obtained free of charge from the download area at www.comestergroup.com.



Virtual Dip Switch

A new device for on-site configuration operations.



PC Programming Kit

Includes coin validator support, test box, power supply, interface cable and the MultiConfig software.



Download Area

Dataset files can be obtained free of charge from the download area at www.comestergroup.com.



Mechanical configurations

RM5 HD is available in two versions, with a different acceptance channel.

- Version A, optimised for the euro, which accepts coins with a maximum diameter of 27 mm and maximum thickness of 2.4 mm.
- Version B, which accepts coins with a maximum diameter of 31.5 mm and maximum thickness of 3.2 mm.

Each of the two versions is available in four models, in order to meet different installation requirements.

Model	Coin entry	Coin reject
F	Top or front	Front
V	Top	Front
B	Top or front	Bottom/left
G	Top	Bottom/right

Versions

- Parallel Validator
- Parallel Validator with sorter
- Spain mode validator
- Binary Validator
- Confida Binary Validator
- Credit pulse emission totaliser
- Credit pulse emission totaliser with sorter control
- ccTalk Giochi Italia
- ccTalk Full

Optional accessories

- RM1000-ADATTAS vertical adaptor for vending machines without change-giver validator
- Validator Adaptor from 3½" to 5"
- Front plates: available in the versions mod. F1 (60x118 mm) - F6 (60x152 mm)
- Coin collection funnels of various heights: 9/16/25 mm
- RM5 HD PC Kit, which includes: coin validator support, test box, power supply, interface cable and the MultiConfig software
- Virtual Dip Switch
- Label graphics customisable by quantity.

Related products

- A wide range of sorters
- Various models of coin entries
- Coin/banknote/ticket change machines
- SimplyStart Advance
- Autocoin Advance
- Coin counters
- Cash Points

Technical Specifications

Dimensions (LxHxW)	99 x 102 x 55.5 mm
Weight	200 g
Power supply	12 ÷ 24 (±10%) Vdc
Current consumption	Stand by: max 70mA During acceptance: max 400mA
Operating temperature	0°C ÷ 50°C (standard version) -20°C ÷ 55°C (tropicalised version)
Coins accepted	Ø 16 ÷ 27 mm; max thickness 2.4 mm (Standard) Ø 16 ÷ 31.5 mm; max thickness 3.2 mm (with acceptance channel: 4.5 mm)
Acceptance speed (without sorter)	Up to 6 coins per second.

RM5 HD T

The HD system widens its horizons

RM5 HD T combines the high safety and reliability levels of the RM5 HD coin validator with the ability to automate up to 2 payment services.

RM5 HD T can be used in facilities such as self-service workstations with extractors, car mat washers or dispensers with car products, but it is also ideal for facilities like automated laundries and camping sites, where service dispensers are standard items.

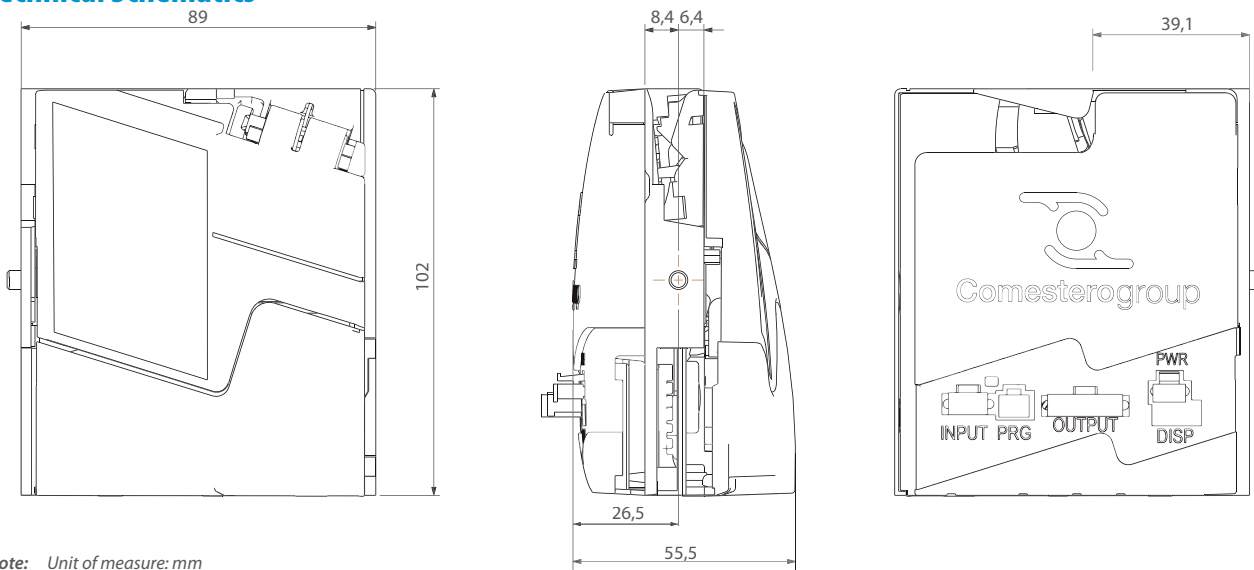
Through 5 different sensors and the 10 different recognition parameters, it ensures a high level of recognition and discrimination of counterfeit coins with unprecedented speed (up to 6 coins per second), while the advanced electronic and mechanical anti-fraud systems guarantee excellent security in all the various installation modes. Its innovative design means that the RM5 HD T is a sound and durable product.



Features

- HD high-discrimination system based on the control of 10 different parameters regarding: frequency, width and phase.
- Five-sensor identification technology: 3 inductive sensors, 1 optical sensor and 1 magnetic sensor.
- High acceptance speed: up to 6 coins per second, even of different values.
- Advanced electronic and mechanical anti-fraud system: coin movement direction detection, 1 mechanical trap and wire cutting blade.
- Capable of directly controlling a RM924 display.
- Fitted with 2 relay outputs to control any additional electronic boards to activate 2 services.
- Two-price totaliser with double reset to dispense 2 products according to the credit accumulated or, alternatively, dual gradual timer to conduct two distinct timings with times linked directly to the credit accumulated.
- PC programming via the MultiConfig software or, alternatively, programming on board the coin validator itself through the connection with the RM924 display and 2 keys.
- LED status and diagnostics indicators.
- Innovative design that ensures soundness and durability.

Technical Schematics



Note: Unit of measure: mm

Tools

MultiConfig

Program for configuration via PC, which can be obtained free of charge from the download area at www.comestero.it.



PC Programming Kit

Includes coin validator support, power supply, interface cable and the MultiConfig software.



Area Download

Dataset files can be obtained free of charge from the download area at www.comestero.it.



Mechanical configurations

RM5 HD is available in 2 versions with a different acceptance channel.

- Version A, optimised for euros, which accepts coins with a maximum diameter of 27 mm and maximum thickness of 2.4 mm.
- Version B, which accepts coins with a maximum diameter of 31.5 mm and maximum thickness of 3.2 mm.

The 2 versions are available in the F model with top or front coin entrance and front coin ejection.

Versions

- Single pulse totaliser with automatic activation: the pulse is activated once the cost of the service is reached.
- Dual pulse totaliser with one price with external activation using keys.
- Single timer with automatic activation.
- Dual timer with 2 prices with external activation using keys.

Optional accessories

- Front plates: available in the versions mod. F1 (60 x 118 mm) – F6 (60 x 152 mm)
- Coin collection funnels of various heights: 9, 16, 25 mm
- RM5 HD PC Kit, which includes: coin validator support, power supply, interface cable and the MultiConfig software.
- Label graphics customisable by quantity

Related products

- Coin counters
- Wide range of tokens

Technical specifications

Dimensions (LxHxD)	99 x 102 x 55,5 mm
Weight	200 g
Power Supply	12 ÷ 24 (+- 10%) Vdc/Vac
• Relay outputs with voltage-free exchange contacts	2A/30Vdc-1A/24Vac
• 2 optically isolated inputs (for 2 selection keys) with alternating or direct current	24Vdc/24 Vac
Current consumption	Stand-by: max 70 mA During acceptance: max 400 mA
Operating temperature	-20° C ÷ 55° C
Coins accepted	Ø 16 ÷ 27 mm, max thickness 2.4 mm (standard version) Ø 17 ÷ 31.5 mm, max thickness 3.2 mm (with acceptance channel: 4.5 mm)
Acceptance speed (without sorter)	Up to 6 coins per second



2 relay outputs to control any additional electronic boards to activate 2 services or 2 buttons.

RM5 Evolution

The coin validator of undisputed quality and reliability

The RM5 Evolution coin validator known for its consolidated quality and reliability. Its electronics combine extraordinary selectivity with extreme programming versatility: the Cloning system allows the transfer of the configuration parameters from a sample coin validator to another.

The coin validator label can be customised in order to allow increased visibility of the company logo.



Features

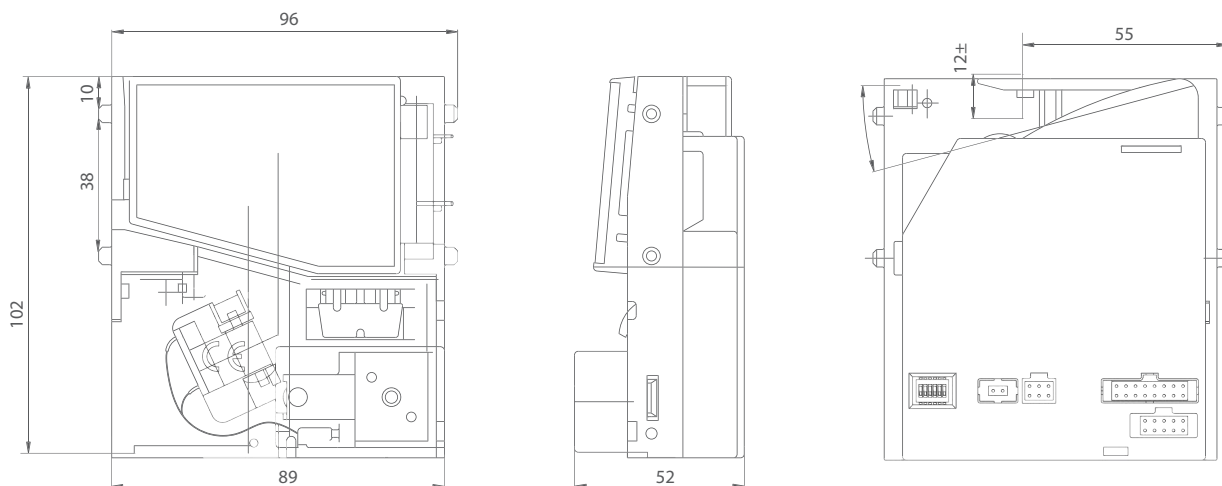
- 3 pairs of inductive sensors which are used to process 6 different parameters regarding the material and the mass.
- 3 pairs of optical sensors for determining the coin's diameter.
- A mechanical anti-fishing device.
- An electronic anti-fishing device.
- An electronic anti "intrusion" device (only for version F).
- Wire cutting blade.
- Automatic optical sensor compensation system for variations in temperature, voltage and lighting.
- Identification channels: up to 59, each of which can be redirected to the outlets. The first 6 support Self-Prog mode.
- Open collection outlets.
- Serial interface for external connections (portable programmer or PC) for calibrating and testing, as well as for updating the value and operating parameters tables.
- Credit recognition: parallel, binary, pulse.
- Also available in tropicalised version to adapt to environments exposed to weather agents.



Front plates: mod. F1 (60x118 mm) - F3 (60x180 mm) - F6 (60x152 mm)

RM1000-ADATTAS vertical adaptor for vending machines without change-giver validator

Technical Schematics



Note: Unit of measure: mm

Tools

Download Area

Dataset files can be obtained free of charge from the download area at www.comestergroup.com.



Clone 5

Programming, configuration and diagnostics software (not for use with the ccTalk giochi Italia version).



Programmer

Portable tool for on-site programming, configuration and diagnostic operations (not for use with the ccTalk version).



USB Kit

Includes 1 board and 1 USB cable. Allows for the simultaneous connection of an RM5 coin validator and a banknote reader to a PC without the need for additional adaptors.



Versions

- 00 Parallel Validator
- 01 Parallel Validator with sorter
- E0 Spain mode validator
- AT Spain mode validator with differentiated time pulses
- B0 Binary Validator
- BC Confida Binary Validator
- 0M Multipulse validator
- 10 2 price totaliser
- 14 1 price totaliser with timed internal reset
- FD Fountain totaliser
- 20 Credit pulse emission totaliser
- 21 Credit pulse emission totaliser with sorter control
- 30 Progressive timer
- 3R Progressive timer with timed credit pulse emission upon request
- 3C Progressive timer with counter outlet
- 40 Totaliser with credit pulse upon request
- 60 Totaliser with timed credit pulse emission upon request
- 70 Single-price multiple sale totaliser

Mechanical configurations

Model	Coin entry	Coin reject
G	Top	Bottom
F	Top or front	Front
B	Top or front	Bottom
V	Top	Front
M	Top or front	Bottom
S	Top	Bottom

Optional accessories

- RM1000-ADATTA5 vertical adaptor for vending machines without change-giver validator
- Validator Adaptor from 3½" to 5"
- Front plates: mod. F1 (60x118 mm) - F3 (60x180 mm) - F6 (60x152 mm)
- Special F6 front plate with lock
- Protection for the F6 front plate, to protect against break-in and fraud attempts
- Protection device to protect the RM5 against external agents, such as water or jets
- Coin collection funnels of various heights: 9/16/25 mm
- AGCAVO10P: standard cable to connect the coin validator to the host machine. Available lengths: from 15 to 250 cm
- RMPRINTERF5: cable to connect an RM5 Evolution to a PC in serial mode
- USB SERIAL: cable for converting a serial connection to a USB connection
- Programmer
- USB Kit
- Label graphics customised by quantity

Related products

- A wide range of coin sorters
- Various models of coin entries
- Coin/banknote/ticket change machines
- Control devices
- Car wash start systems
- Coin counters

Technical Specifications

Dimensions (LxHxW)	89 x 102 x 52 mm
Weight	185 g
Power supply	12 ÷ 24 Vdc ± 10%
Power consumption	4W at 12 Vdc
Current consumption	In stand-by: 35 mA max, 12 Vdc During identification: 50 mA max, 12 Vdc During acceptance: 340 mA max, 12 Vdc
Maximum current capacity	200 mA at 24 Vdc ±10% (from channel 1 to channel 4) 800 mA at 24 Vdc ±10% (from channel 5 to channel 6)
Operating temperature	0°C ÷ 55°C - 10 ÷ 75% humidity non-condensed
Coins accepted	Ø 16 ÷ 31.5 - Thickness up to 3.3 mm
Recognisable coins	all euro coins from 1 c to 2 €
Acceptance speed	3 coins per second

RR6 HD

The meeting point between technology and reliability. Executive and MDB versions

RR6 HD is the new change-giver validator, designed to ensure maximum operating performance, long life and ease of use and maintenance.

Full of innovative features, RR6 HD is the change-giver validator with the largest capacity on the market, the only one to offer advanced accounting management systems and ease of configuration at the same time thanks to the integrated SD-card, the USB connection to the PC and the IRDA interface.

RR6 HD meets the needs of operators in the industry, allowing vending managers to achieve optimal performance from a product which is distinguished by its competitive price. Furthermore, it is a completely modular product, designed to make it easy to check and replace the various parts.

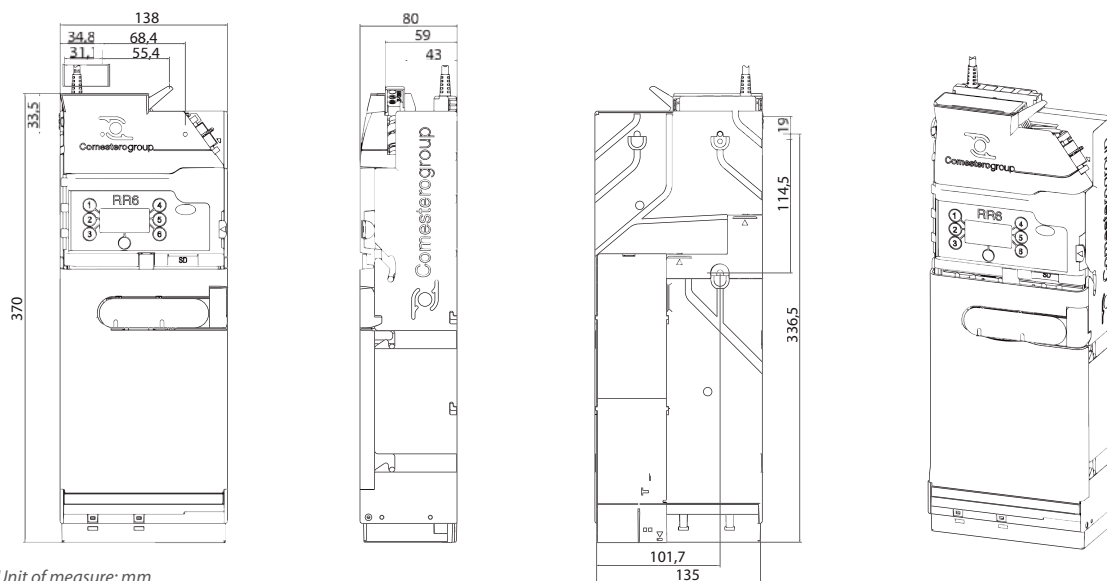
Designed by the award winning Zecca & Zecca industrial designer, RR6 HD has been produced with materials which ensure its continuous performance over time.



Features

- Recognition and validation unit based on the high discrimination system already used in the RM5 HD coin validator.
- Fast and reliable 8-way sorter.
- Exclusive extracting unit, an original patent by Comestero group, ensuring precision and speed during pay-out.
- 6-tube tray with the highest coin capacity available on the market.
- User interface comprising a large graphic display and practical selection keys.
- Self-test and self-diagnostic features on the coin validator/sorter unit and the extracting module directly on-site, thanks to the user interface.
- Great flexibility of configuration and management of accounting data thanks to the integrated SD-card, USB connection to the PC and IRDA interface.
- Modular components, designed for ease of access and inspection directly in the field without any tool.
- Universal application thanks to two different versions: Executive and MDB.

Technical Schematics



Note: Unit of measure: mm

Tools

Multiconfig

Software to configure and to display accounting data on the PC.



Coins capacity

The change-giver validator RR6 HD boasts the largest capacity on the market: it is equipped with a 6-tube tray providing an unbeatable coin capacity.

This is due to its design and engineering aimed

towards modularity and reduced volumes for the various components. All types of tubes, from the smallest (for 0.01€) to the largest (for 2€), can be inserted in all positions of the tray.

Furthermore, a tube containing coins up to 27.5 mm in diameter can be mounted in position 3 of the tube tray. The tray can be created as desired: there are no preset tube configurations for the various denominations; the tubes can be applied separately to the tray, with countless customisation options.

Versions

- Executive version
- MDB version
- My RR6HD

Optional accessories

- USB connection to the PC to use Multiconfig
- SD-card
- Kyoline printer
- Irda interface to palm devices to download the audit file.

Related products

- Cashless systems
- Banknote readers

Technical Specifications

Dimensions (LxHxW)	138 x 371 x 80 mm
Weight	1,680 g
Power supply	MDB version: 20 ÷ 42,5 Vdc Executive version: 24 Vac ± 10%
Power consumption	In stand-by: MAX 3.5W With extractor unit operating: 0.6 Amp at 40VDC and 1 Amp at 24VDC During acceptance: 0.45 Amp
Operating temperature	0°C ÷ 50°C

Euro coins	Tube capacity
2 €	72
1 €	68
50 c	66
20 c	74
10 c	82
5 c	96
2 c	96
1 c	96

My RR6 HD: the integrated “cash and cashless” solution

RR6 HD is also available with the WorldKey UltraLite cashless system for the complete management of payments. RR6 HD combines its reliability with the safety of Mifare® technology to make it extremely easy to manage and to offer great payment flexibility. My RR6 HD is the all-in-one kit that is able to increase sales and fulfil all of the requirements of operators in the sector.

Functions

- Numerous price management modes.
- Sales prices: 100 cash prices + 100 cashless prices with the possibility of managing 2 annual time slots.
- Single or multiple cash sales mode.
- Management of maximum value that can be loaded on support.
- Detection of transactions in cash and transactions carried out with keys/tags.
- On-field firmware updates.



B100 - B300 - B400 - B700

Coin or token mechanism to meet any functional requirement

They select coins and tokens based on their diameter, weight and thickness with excellent reliability. In case of grooved tokens, further discrimination can be allowed for thanks to the hollow profile on the coin entry plate. To be installed on the front plate.



Technical Specifications

Front plate dimension	Mod. F1: 60 x 118 mm Mod. F6: 60 x 152 mm
Weight	110 g
Coins accepted	1 token
Coin/token sizes accepted	Ø 22 ÷ 27.8 mm
Installation	On front plate

B100

Features

- Front plate token acceptor.
- Made specifically for outdoor use with thermosetting material (ABS).
- Available with or without block coils at various supply voltages.

Optional accessories

Front plates: available in mod. F1 and F6

Related products

- Wide range of tokens
- Coin counters



Technical Specifications

Front plate dimension	Version F1: 60 x 118 mm Version F6: 60 x 152 mm
Weight	170 g
Coins accepted	1 token or 1 coin
Coin/token sizes accepted	Ø 17 ÷ 32 mm
Installation	On front plate

B300

Features

- Practical and durable coin or token acceptor.
- Made specifically for outdoor use with thermosetting material (ABS).
- Available with or without block coils at various supply voltages.

Optional accessories

Front plates: available in mod. F1 and F6

Related products

- Wide range of tokens
- Coin counters



B400

Features

- Compact and durable coin or token mechanism.
- Equipped with various control systems: thickness, weight, rim, washer lock, magnetic control, antishock, 3 diameter verifications.
- Made with steel and specifically for outdoor use.
- Available with or without block coils at various supply voltages.
- Optional electromagnet lock with coin holding device.

Technical Specifications

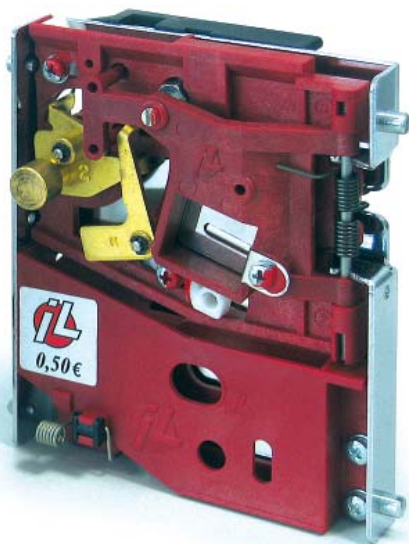
Front plate dimension	Version F1: 60 x 118 mm Version F6: 60 x 152 mm
Weight	300 g
Coins accepted	1 coin or 1 token
Coin/token sizes accepted	Ø 17 ÷ 32 mm
Installation	On front plate

Optional accessories

Front plates: available in mod. F1 and F6
Electromagnet lock with optional coin holding device

Related products

- Wide range of tokens
- Coin counters



B700

Features

- A simple, precise and compact coin or token mechanism.
- Equipped with 7 standard checks: 5 size checks, 1 weight check and 1 magnetic density check via a magnetic field.
- The fastening points, designed in compliance with the international standards, guarantee ease of installation, even on machines which are already in use.
- Also available in the B7G version for tokens only.

Technical Specifications

Dimensions (LxHxW)	89 x 102 x 15 mm
Weight	225 g
Coins accepted	1 coin or 1 token
Coin/token sizes accepted	Ø 17 ÷ 32 mm
Installation	On front plate

Related products

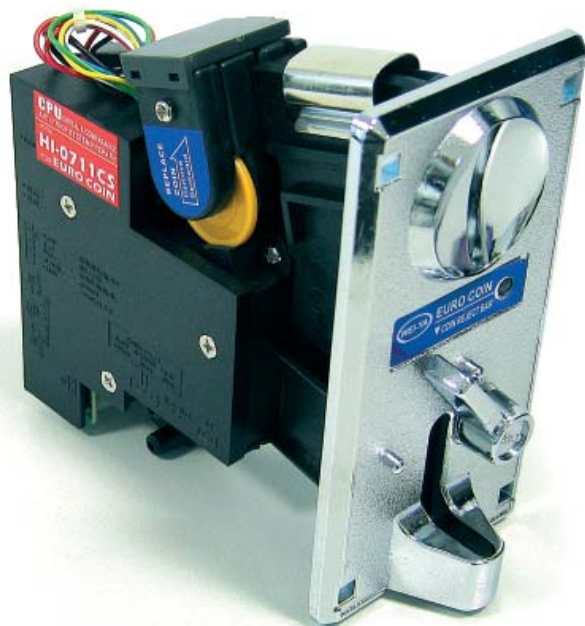
- Wide range of tokens
- Coin counters

Comparison based

Reliable coin/token validation based on comparison with an inserted sample

Reliably validates coins and tokens by electronically comparing them with an inserted sample. Extremely simple to use, the new version is equipped with an inhibitor and a special coil for the recognition of Euro coins.

It is intended for various application fields: gaming facilities, arcades, service stations, campsites and gyms.



Features

- High reliability.
- Vertical or front plate coin entry and reject.
- Electronic validation based on the diameter, thickness and material of the inserted sample.
- Sliding coin comparison arm for an easy sample change.



Functions

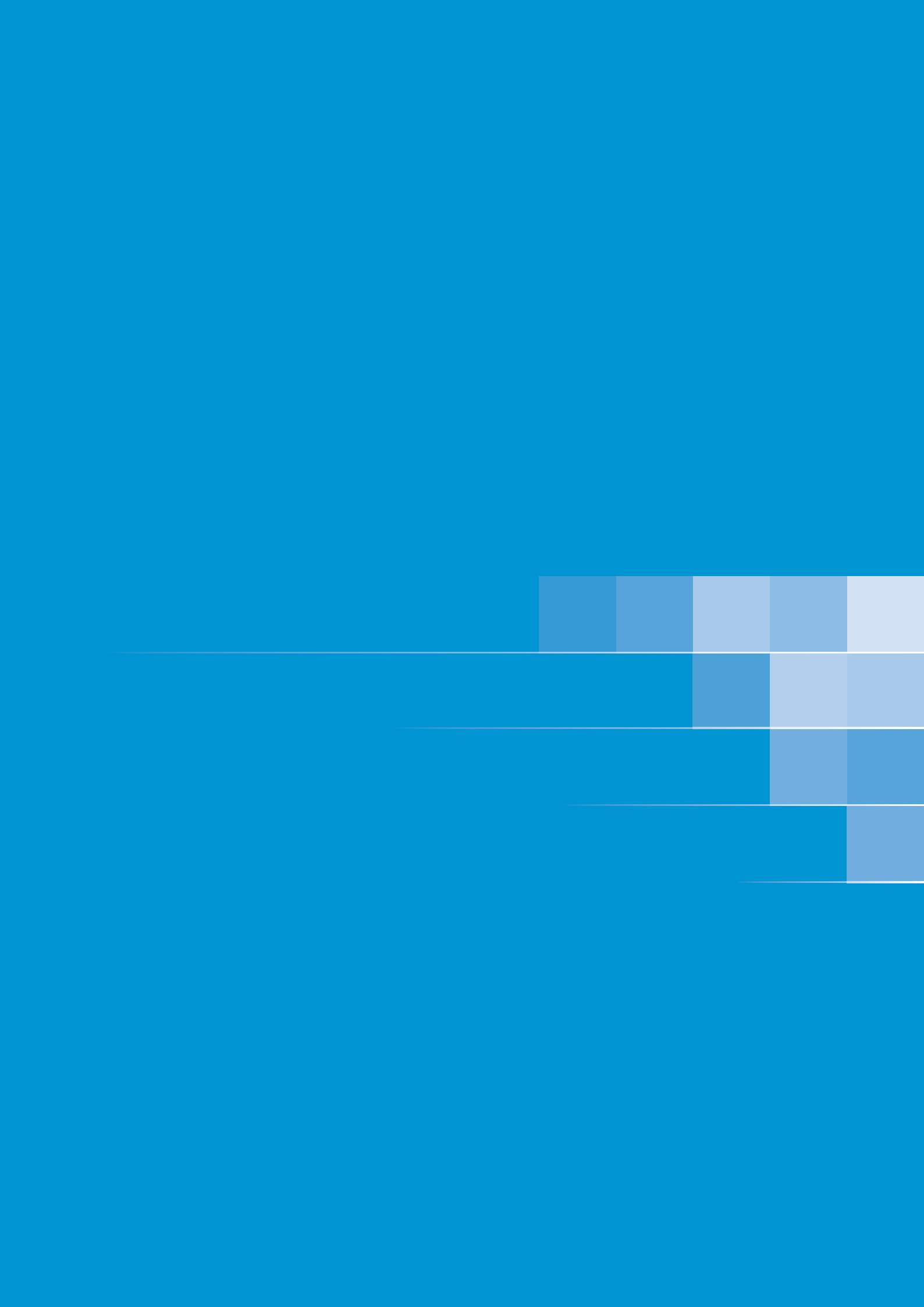
Flawlessly compares the characteristics of the inserted coin with those of the sample.

Related products

- Wide range of tokens
- Coin counters

Technical Specifications

Dimensions (LxHxW)	Front plate version: 64 x 123 x 89 mm
Weight	200 g
Power supply	12 Vdc \pm 20%
Current consumption	200 mA at 12 Vdc (during acceptance)
Coins accepted	1 coin or 1 token
Coin/token sizes accepted	\varnothing 18 ÷ 31 mm – thickness 1.2 - 3 mm
Recognisable coins	all euro coins from 5 c to 2 €
Installation	On front plate



Coin sorters

They sort the coin denominations (from 2 to 5 different coins) accepted by the coin validator and send any others to the reject mechanism.

Available in top introduction and front introduction versions, thereby adapting to any application.

- Cinco
- 3 to 4 ways plus reject mechanism

Cinco

The 5-way sorter compatible with all types of gaming machines

Cinco is the new 5-way sorter plus reject mechanism specifically designed to satisfy the requirements of any type of gaming machine.

It can be installed both on machines operating in ccTalk and in parallel, allowing switching modes with ease. The reject motor, available as an option, allows coins to be rejected automatically.

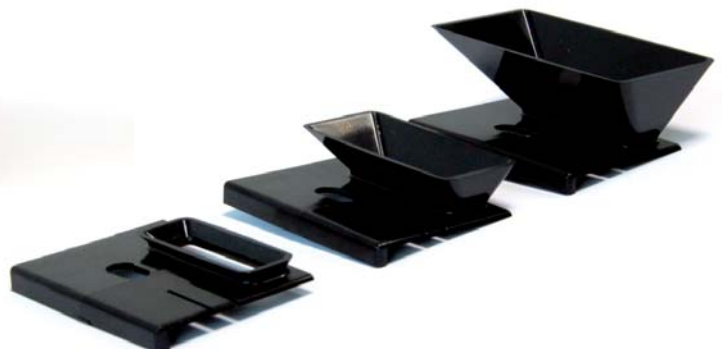
Also in this case, installation is possible on any type of machine thanks to the double connection possibility: with 4-pin connector or 3-pin adaptor, both supplied.

Its characteristics make Cinco the ideal partner of the new series of high performance RM5 HD electronic coin validators.

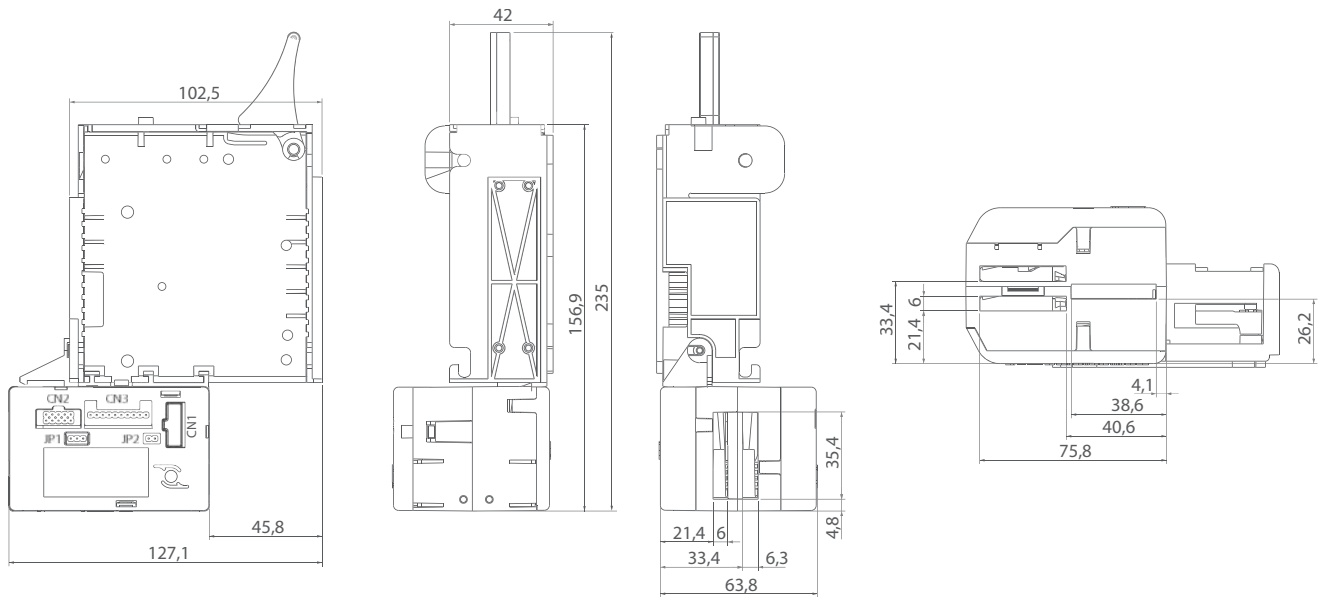


Features

- 5 sorting ways plus reject mechanism.
- Total compatibility with other equivalent sorters.
- Simplified installation.
- Polycarbonate structure.
- Selection of the operating mode via jumper: ccTalk, ccTalk Italia or parallel.



Technical Schematics



Note: Unit of measure: mm



Optional accessories

- Reject motor with 3 or 4 pin connector
- Coin entry
- Curved coin guides system
- Modular extensions for the coin guides system
- Straight coin guides system
- Funnels of 3 different heights

Related products

- RM5 HD coin validator
- Flow Hopper
- NV11 banknote reader

Reject motor



Coin guides entry



Curved coin guides system



Straight coin guides system



Technical Specifications

Dimensions (LxHxW)	127.1 x 235 x 63.8 mm
Weight	350 g
Coins accepted	Ø 16.5 ÷ 32.5 mm – thickness 1.2 - 3.3 mm
Operating temperature	0°C ÷ 55°C
Power supply	12 ÷ 24 VDC (- 5 % + 10%)
Current consumption	max 80 mA

Sorters with 3 to 4-ways plus reject mechanism

High sorting speed with an exclusive coin anti-rebound system

A wide range of coin sorters that meet even the most demanding requirements of the various market. Top or front introduction models available with 3 to 4 ways plus reject mechanism.



Front introduction sorters

SPS300CC3

Features

- 3 in-line sorting ways with a front reject mechanism.
- To be combined with the RM5 Evolution electronic coin validator.

Related products

- RM5 Evolution electronic coin validator
- F1-F6 front plates



SPS300CC3/VER-B

Features

- 3 in-line sorting ways with a bottom reject mechanism.
- To be combined with the RM5 Evolution electronic coin validator, version B.

Related products

- RM5 Evolution electronic coin validator
- F1-F6 front plates

Top introduction sorters



SPS41LCC4

Features

- 4 in-line sorting ways with a reject mechanism which overlaps with the third sorting outlet.
- This unit is perfectly compatible, in terms of size, installation and arrangement of the sorting outlets, with the similar 3 in-line way models.

Related products

- RM5HD electronic coin validator
- RM5 Evolution electronic coin validator
- Various models of coin entries
- Coin collection funnels in heights of 9, 16 and 25mm



SPS31SCC3

Features

- 3 in-line sorting ways plus reject mechanism, which overlaps the last sorting outlet.

Related products

- RM5HD electronic coin validator
- RM5 Evolution electronic coin validator
- Various models of coin entries
- Coin collection funnels in heights of 9, 16 and 25mm



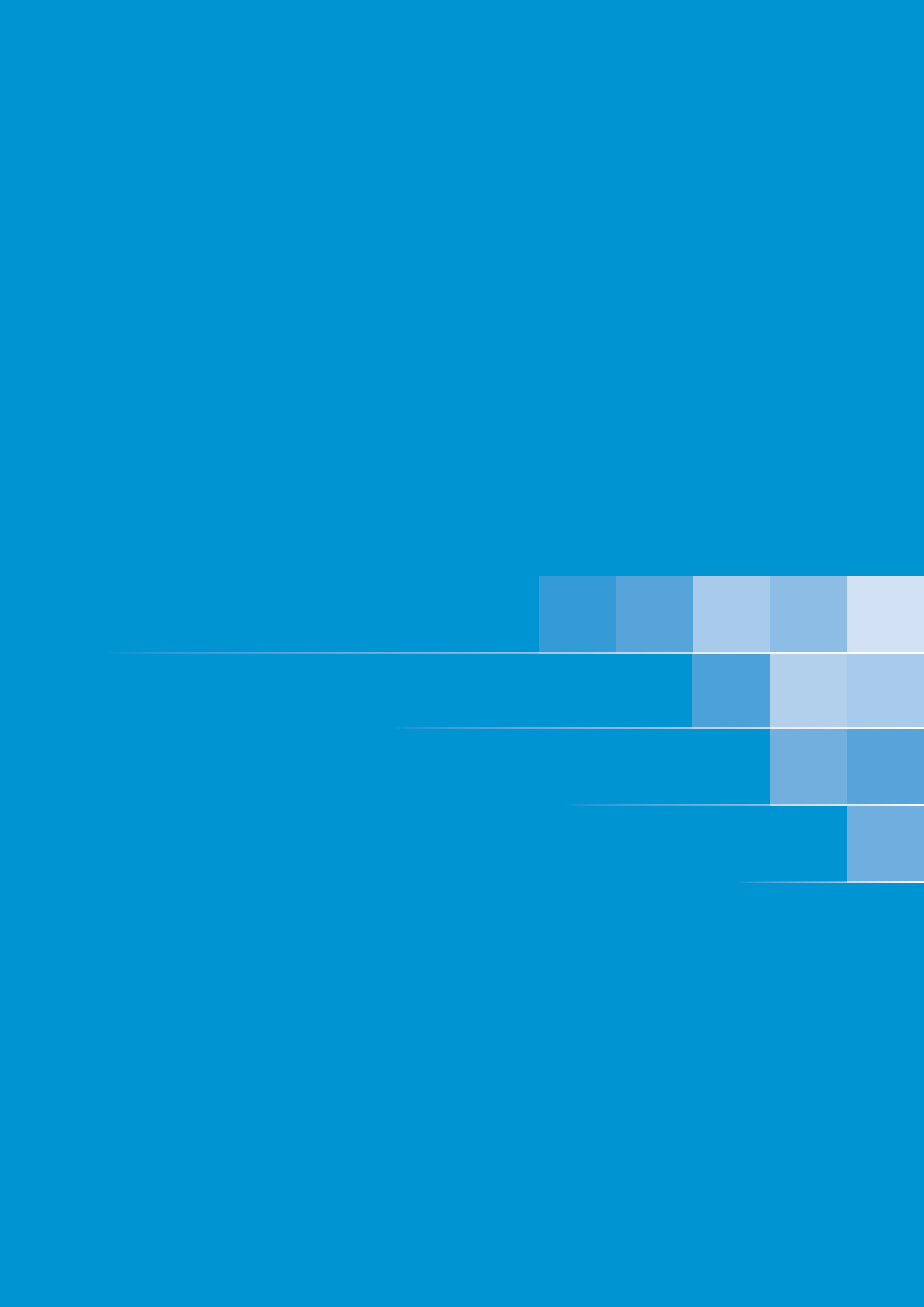
SPS31LCC3

Features

- 3 in-line sorting ways with a reject mechanism.
- Also available with facilitated conveyor for flexible tubes.

Related products

- RM5HD electronic coin validator
- RM5 Evolution electronic coin validator
- Various models of coin entries
- Coin collection funnels in heights of 9, 16 and 25mm



Banknote readers

They quickly analyse the characteristics of the inserted banknotes and validate them, guaranteeing an average 99.8% level of acceptance for various currencies.

They are equipped with banknote anti-fishing systems in order to prevent any attempt at fraud. The Smart Payout and NV11 models can even dispense banknotes.

- Smart Payout
- NV11
- NV200
- NV9 USB
- BV100
- NV10 USB
- BV20

Smart Payout

Equipped with Smart Payout for recycling different banknote denominations

Smart Payout is the first payout to handle multi denomination notes: it has a capacity of 70 banknotes in payout, plus 500 or 1,000 in the cash box. It can be used to give change or prizes in notes using a sophisticated winding system, which makes dispensing both fast and secure. It periodically performs self-diagnostics upon its sensors and mechanical elements and automatically re-calibrates their operation, thereby guaranteeing optimal performance over time.

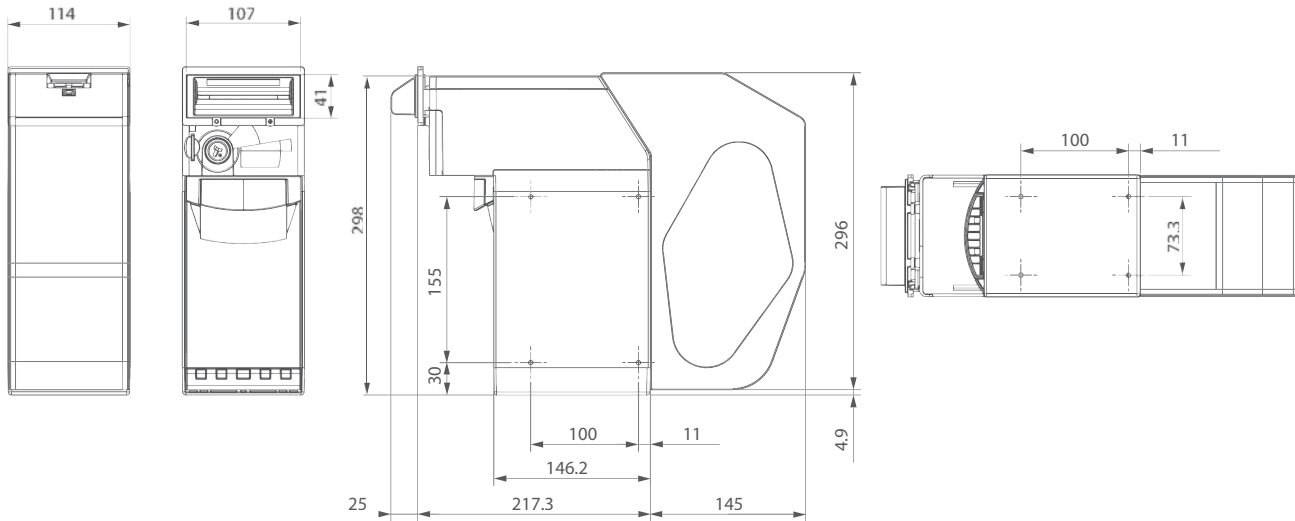
It is equipped with advanced electronic anti-fraud devices. Thanks to the IF 14 interface converter, Smart Payout is completely compatible with the ccTalk communications protocol.



Features

- Innovative mechanics with winding system.
- Eliminates queues due to slow banknote dispensing.
- Accepts banknotes up to 85 mm wide.
- Collects, discriminates and stores banknotes for future payout.
- Able to payout all of the banknotes which have been accepted and sent to the recycler.
- SPF™ technology.
- USB on-board.
- In order to simplify the emptying phase, all the Smart Payout banknotes can be conveyed to the stacker for safer collection.
- The device is protected by the proprietary eSSP protocol with an encrypted key encoded at 128 bits.
- Automatic diagnostics and calibration system.

Technical Schematics



Note: Unit of measure: mm

Functions

A sophisticated winding system makes dispensing fast and secure: Smart Payout can recognise the exact position of the banknote to be dispensed at any given time.

Versions

- ccTalk (with IF 14 interface)
- eSSP

Optional accessories

- IF 14: interface for converting the eSSP protocol into ccTalk.

Related products

- Rock coin/banknote change machine
- Swing coin/banknote change machine
- Nexus PRO coin/banknote change machine
- Banknote counters
- Cashless systems
- Coin validators

Technical Specifications

Dimensions (LxHxW)	114 x 301 x 387.3 mm
Weight	5.5 kg
Power supply	12 V
Current consumption	400 mA in stand-by – 3 A while running – 5 A at peak
Operating temperature	3° ÷ 50°C - 5 ÷ 95% humidity non-condensed
Banknotes accepted	Width: 60 – 85 mm; Length: 115 – 170 mm
Capacity	Cashbox: 500 or 1,000 banknotes Payout: 70 banknotes

NV11

Equipped with Note Float payout to recycle a single banknote denomination

NV11 is the new offer by Innovative Technology in the field of banknote readers equipped with payout system. NV11 is based on the tried and tested NV9 validation system, further improved and equipped with an innovative device called Note Float for the payout function, which manages a single payout denomination for a total of 30 pieces. A cashbox holding 300, 600 and 1,000 banknotes can also be added to NV11.

NV11 is an extremely versatile reader/dispenser, representing the most economical and ideal solution for gaming machines and bingo systems and strongly recommended for vending and tobacco machines as well.

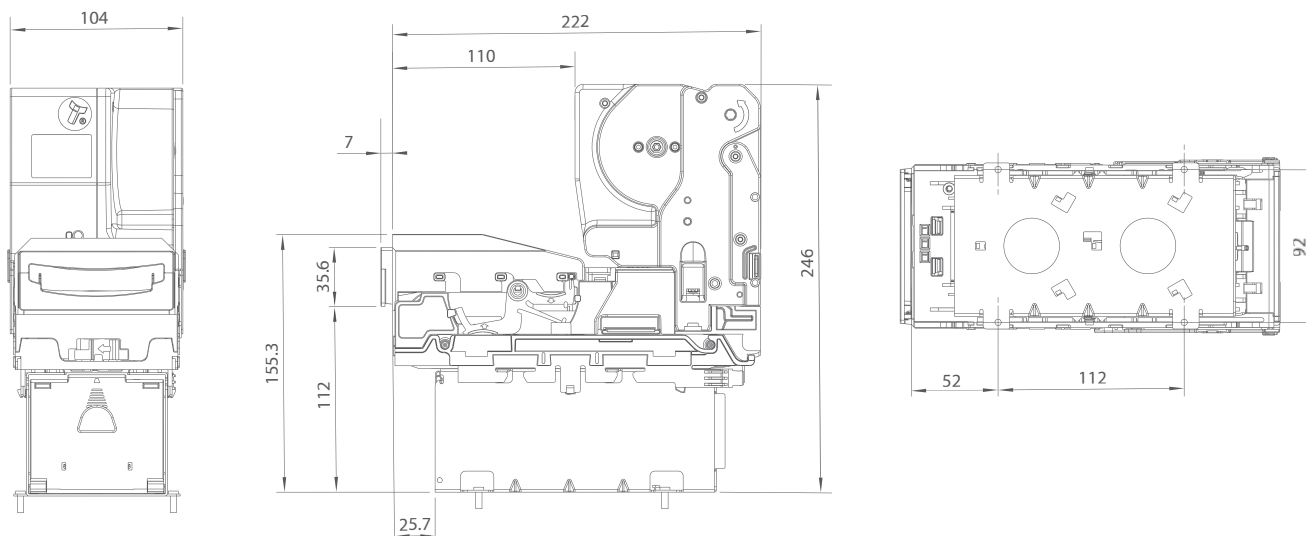


Features

- Note Float payout, exclusive patent by Innovative Technology.
- High payout speed (3 seconds).
- 30 single denomination banknotes for payout.
- Capable of storing banknotes from 5 to 500 €.
- Capable cashboxes holding 300, 600 or 1,000 banknotes.
- USB connection for machines based on PC architecture.
- Configuration via PC.



Technical Schematics



Note: Unit of measure: mm

Tools

DA2 kit

Kit for programming, configuration and diagnostics.



DA3 kit

Kit for programming and configuration on the field.



Download Area

Dataset and firmware files can be obtained free of charge from the download area at www.comestergroup.com.



Versions

- ccTalk
- eSSP (encrypted Smiley Secure Protocol)

Optional accessories

- RS232-PC adaptor for the Innovative reader
- DA2 kit
- DA3 kit

Related products

- Banknote counters
- Cashless systems
- Coin validators

Technical Specifications

Dimensions (LxHxW)	104 x 246 x 229 mm
Weight	2,200 g
Power supply	12 Vdc +/- 10%
Current consumption	350 mA in stand-by – 3 A while running – 3.5 A at peak
Operating temperature	3° ÷ 50°C - 5 ÷ 95% humidity non-condensed
Banknotes accepted	Width: up to 82 mm; Length: up to 160 mm
Speed	3 seconds
Capacity	Cashbox: 300, 600 or 1,000 banknotes Payout: 30 banknotes

NV200

Secure and robust, ideal for accepting large volumes of banknotes

Offers extremely fast transactions at an extremely high acceptance rate, thanks to the SPF™ technology. It accepts all banknote denominations from 5€ to 500€.

The ideal solution for applications which require large volumes of transactions with high levels of security, including arcades, casinos, car parks and automatic vending machines.

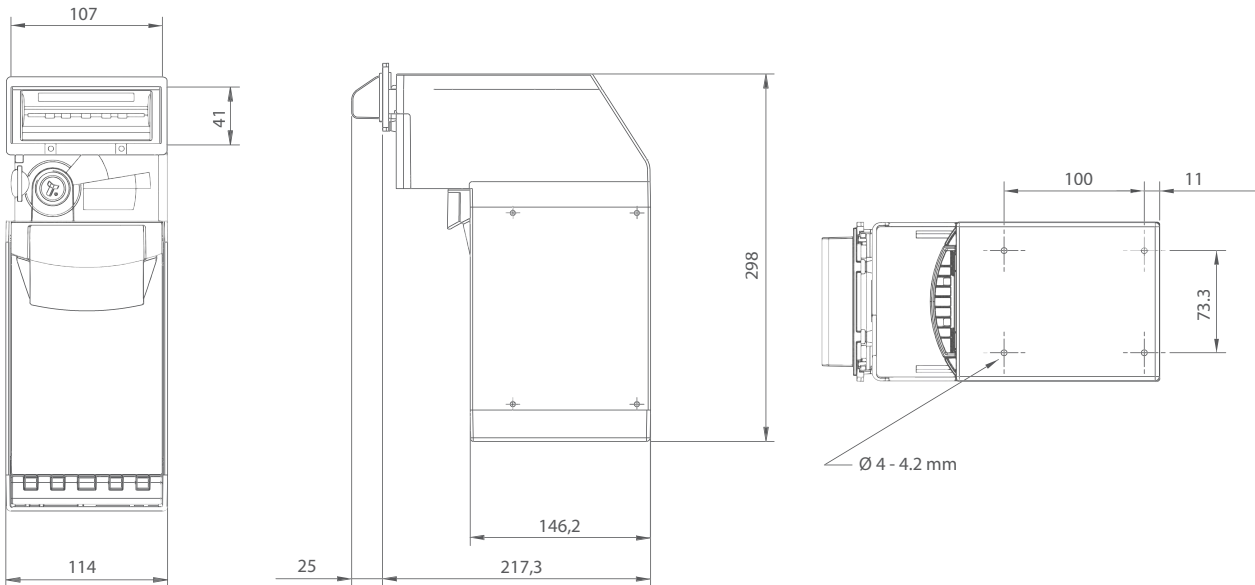
The back-lighting effects of the bezel, which make the reader immediately recognisable, can be selected from among over 16,000,000 possible combinations.



Features

- Validation and stacking of any banknote with a width from 60 to 85 mm in only 3 seconds.
- Standard barcode tickets acceptance in all 4 possible directions.
- Even validates banknotes which are inserted at acute angles: the bills are straightened using innovative auto-centring technology before being validated.
- Seamless note path which prevents any jams.
- Integrated stacker to allow stacking up to 500 banknotes; optional 1,000 banknote stacker.
- USB on-board.
- Security guaranteed by an optional triple-closing system, which protects both the reader and the stacker.
- Simple and intuitive programming either via a PC or DA3 kit.
- Dataset files of various currencies available.

Technical Schematics



Note: Unit of measure: mm

Tools

DA2 kit

Kit for programming, configuration and diagnostics.



DA3 kit

Kit for the operations of programming and configuration directly on site.



Download Area

Dataset and firmware files can be obtained free of charge from the download area at www.comestergroup.com



Versions

- CcTalk, SSP (Smiley Secure Protocol), MDB (with IF5 interface) Parallel (with IF10 interface), Pulse (with IF15 interface). Escrow function (for single banknotes).

Optional accessories

- 2 bezels
- Triple safety lock
- RS232-PC adaptor for the Innovative reader
- DA2 kit
- DA3 kit
- IF 5: interface for converting the SSP protocol to MDB mode.
- IF 10: interface for converting the SSP protocol to parallel mode.
- IF 15: interface for converting the SSP protocol to pulse mode.

Related products

- Banknote counters
- Cashless systems
- Coin validators
- Smart Jolly change machine



Technical Specifications

Dimensions (LxHxW)	114 x 298 x 217.3 mm
Weight	3,000 g
Power supply	12 Vdc +/- 10% (MDB version: min. 23 V - max 42 V)
Current consumption	400 mA in stand-by – 1.5 A while running – 3 A at peak
Power consumption	480 mW in stand-by – 18 W while running – 36 W at peak
Operating temperature	3° ÷ 50°C - 5 ÷ 95% humidity non-condensed
Banknotes accepted	width 60 – 85 mm, length 115 – 170 mm
Acceptance speed	3 seconds
Capacity	Cashbox: 500 or 1,000 banknotes

NV9 USB

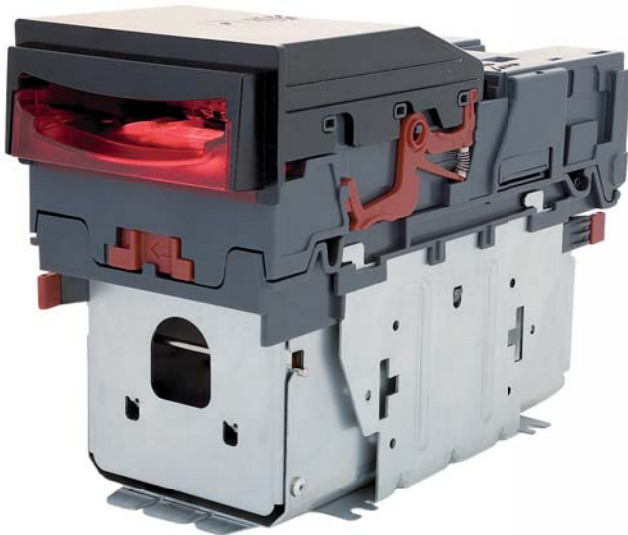
The high performance of the NV series with the advantages of a built-in stacker

The NV9 USB is easy to both use and install. It guarantees a high acceptance level, for banknotes of various currencies.

Its special design features guarantee strength and durability over time.

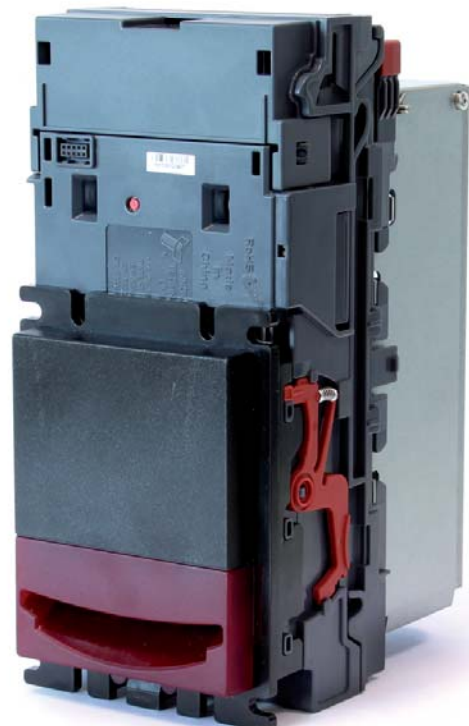
The note transport and note guidance technology has been further improved and can recognise any fraud attempt.

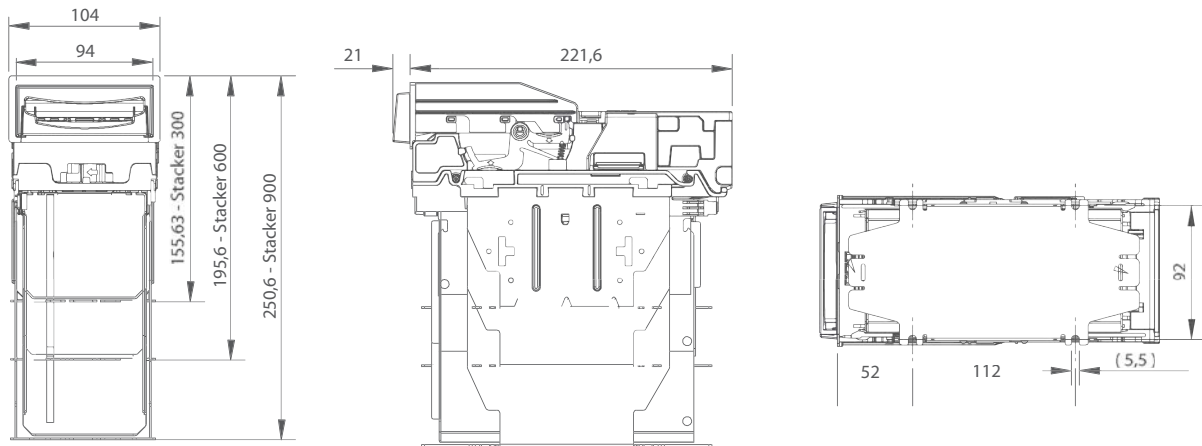
The high speed motors of the acceptance device allow the banknote validation, stacker positioning and credit signal display operations to be carried out in just 3 seconds.



Features

- Fluorescent sensor, which can analyse features that are not visible to the naked eye.
- USB connection for machines based on PC architecture.
- Possibility of either vertical or horizontal installation.
- Positioning can be performed by simply replacing the front bezel, either horizontally or vertically.
- Kevlar drive belts for easy banknote feeding.
- Programming via PC or configuration cards.





Note: Unit of measure: mm

Tools

DA2 kit

Kit for programming, configuration and diagnostics.



DA3 kit

Kit for the operations of programming and configuration directly on site.



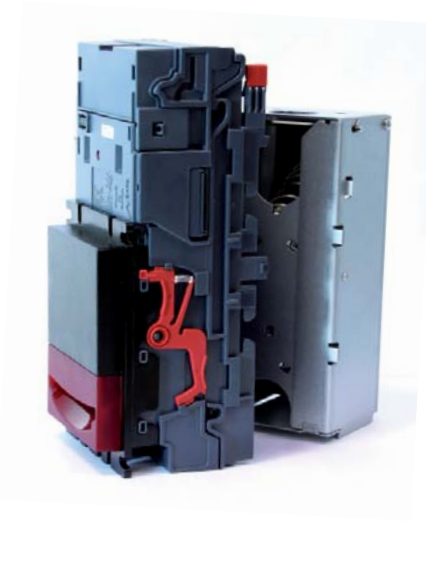
Download Area

Database and firmware files can be obtained free of charge from the download area at www.comestergroup.com.



Versions

The following versions are integrated in the individual device: ccTalk, Parallel, Pulse, eSSP (encrypted Smiley Secure Protocol), SSP (Smiley Secure Protocol), Serial (RS 232), MDB (with IF5 interface). Escrow function (for single banknotes). Available in two versions with stacker to stack up to 300 or 600 banknotes.



Optional accessories

- AGCAVOSMILE: cable for connecting the banknote reader to its host machine in parallel mode. Available lengths: 20 - 50 - 100 - 150 cm
- AGCAVOSMILEPULS: cable for connecting an NV9 in pulse mode. Available lengths: 100 and 200 cm
- Various bezels available.
- DA2 kit
- DA3 kit
- IF5: interface for converting the SSP protocol to MDB mode

Related products

- Easy PRO change machine
- Dual Coin PRO change machine
- Smart Jolly change machine
- Autocoin Advance change machine
- SimplyStart Advance Car wash start system
- Cash Points
- Banknote counters
- Cashless systems
- Coin validators

Technical Specifications

Dimensions (LxHxW) (*) horizontal orientation	With 300 banknote stacker	With 600 banknote stacker
	104 x 155.6 x 221.6 mm	104 x 195.6 x 221.6 mm
Weight	1,700 g	
Power supply	12 Vdc +/- 10% (MDB version: min. 23 V - max 42 V)	
Current consumption	350 mA in stand-by - 1 A while running - 1.2 A with stacker in function	
Power consumption	4.2 W in stand-by - 12 W while running - 14.5 W with stacker in function	
Operating temperature	3°C ÷ 50°C - 5 ÷ 95% humidity non-condensed	
Banknotes accepted	up to 82 x 160 mm	
Recognisable banknotes	up to 15 different banknote denominations in serial, pulse and binary validation modes 4 banknotes in parallel mode	
Acceptance speed	3 ÷ 6 seconds	
Capacity	Cashbox: 300 or 600 banknotes	

BV100

Simple and reliable, with the advantages of a built-in stacker

BV100 has been designed to guarantee ease of use and maintenance.

It offers a high level of acceptance for banknotes of various currencies, thanks to SPF™ technology. The high speed motors of the acceptance device allow the banknote validation, stacker positioning and credit signal display operations to be carried out in just 3 seconds.

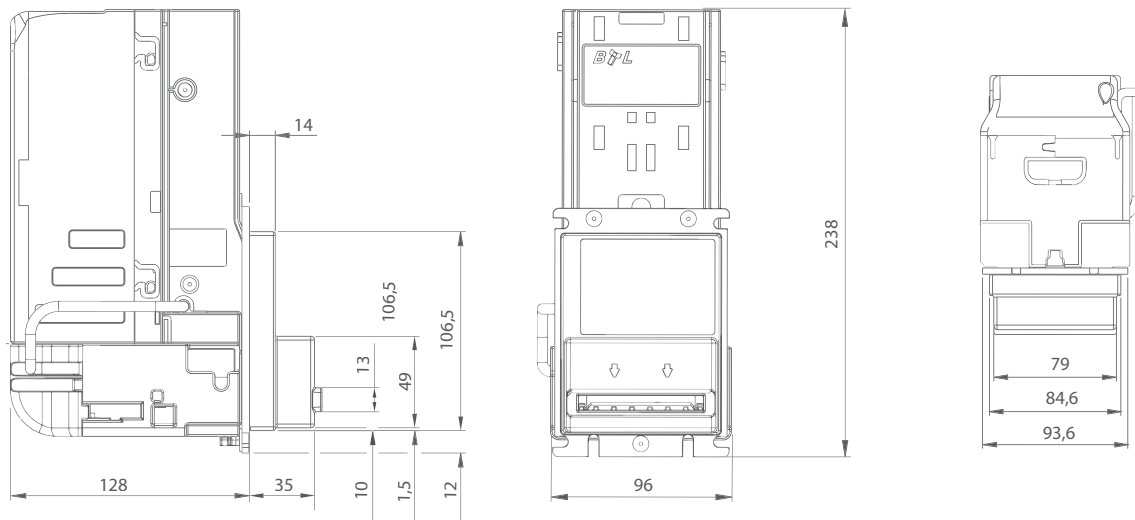
It is equipped with an integrated stacker, available in 4 different versions, to stack up to 300, 550 and 800 banknotes. Thanks to its numerous protocols, it can be easily installed on various types of machine.



Features

- 2 different types of bezels for accepting and validating all banknotes of up to 66 mm and 72 mm in width.
- Innovative optical and mechanical anti-strimming devices.
- USB on-board.
- Simple and innovative programming either via a PC or the new DA3 kit.
- Configuration cards which allow setting configuration parameters alone directly on-site.
- Connection permitted even to machines with 110 V power supplies or MDB operating modes, thanks to its predisposition for special additional HW modules.
- Security guaranteed by the optional lock for protecting the stacker.
- External configuration button.

Technical Schematics



Note: Unit of measure: mm

Tools

DA2 kit

Kit for programming, configuration and diagnostics.



DA3 kit

Kit for the operations of programming and configuration directly on site.



Download Area

Dataset and firmware files can be obtained free of charge from the download area at www.comestergroup.com



Versions

- CcTalk, parallel, pulse, SSP (Smiley Secure Protocol), binary, MDB (with dedicated interface) serial and more. Escrow function (for single banknotes).

Optional accessories

- 2 bezels
- AGCAVOSMILE: cable for connecting the banknote reader to its host machine in parallel mode. Available lengths: 20 - 50 - 100 - 150 cm
- AGCAVOSMILEPULS: cable for connecting a banknote reader in pulse mode. Available lengths: 100 and 200 cm
- RS232-PC adaptor for the Innovative reader
- Security lock
- DA2 kit
- DA3 kit
- Dedicated interface for BV100 reader

Related products

- Banknote counters
- Cashless systems
- Coin validators

Technical Specifications

Dimensions (LxHxW)	96 x 238 x 163 mm
Weight	1,000 g
Power supply	12 Vdc +/- 10% (MDB version: min. 23 V - max 42 V)
Current consumption	1.5 mA in sleep mode - 230 mA in stand-by - 500 mA while running - 2 A at peak
Power consumption	276 mW in stand-by - 600 mW while running - 24 W at peak
Operating temperature	3°C ÷ 50°C
Banknotes accepted	up to 66 - 72 mm
Acceptance speed	3 seconds
Capacity	Cashbox: 300, 500 or 800 banknotes

NV10 USB

Maximum security and reliability in a compact reader

The NV10 USB is easy to both use and install. It guarantees an acceptance level, for banknotes of various currencies.

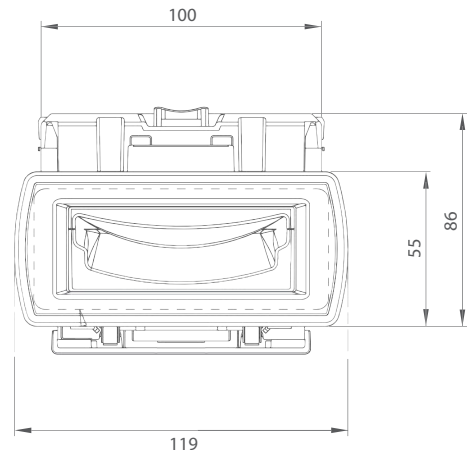
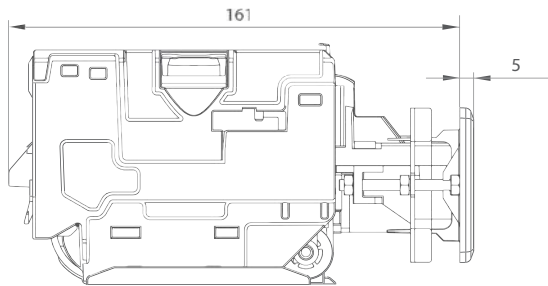
Its special design features guarantee strength and durability over time. The anti-fishing device has been further improved and can recognise any fraud attempt. The high speed motors of the new acceptance device allow for the banknote to be validated in just 3 seconds.



Features

- High levels of validation and security.
- Fluorescent sensor, which can analyse features that are not visible to the naked eye.
- Can be easily inspected: it is opened by means of buttons, with no tools required.
- USB connection for machines based on PC architecture.
- Programming via PC or configuration cards.
- Kevlar drive belts for easy banknote feeding.
- Metal front plate which adapts to any machine already pre-set for the NV5 model with a standard bezel.





Note: Unit of measure: mm

Tools

DA2 kit

Kit for programming, configuration and diagnostics.



DA3 kit

Kit for the operations of programming and configuration directly on site.



Download Area

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Versions

The following versions are integrated in the individual device: ccTalk, parallel, pulse, SSP (Smiley Secure Protocol), serial (RS 232), MDB (with IF5 interface). Escrow function (for single banknotes).

Optional accessories

- Adaptor plate from NV10 to NV5
- Bezels
- AGCAVOSMILENV10: cable for adapting an NV10 connector to an NV5.
- AGCAVOSMILE: cable for connecting the banknote reader to its host machine in parallel mode. Available lengths: 20 - 50 - 100 - 150 cm
- AGCAVOSMILEPULS: cable for connecting an NV10 in pulse mode. Available lengths: 100 and 200 cm
- DA2 kit
- DA3 kit

Related products

- Coin/banknote/ticket change machines
- Car wash start systems
- Cash Points
- Banknote counters
- Cashless systems
- Coin validators

Technical Specifications

Dimensions (LxHxW)	119 x 86 x 166 mm
Weight	550 g
Power supply	12 Vdc +/- 10% (MDB version: min. 23 V - max 42 V)
Current consumption	350 mA in stand-by - 1 A while running
Power consumption	4.2 W at 12 Vdc (in stand-by)
Operating temperature	0°C ÷ 50°C - 5 ÷ 95% humidity non-condensed
Banknotes accepted	up to 82 x 160 mm
Recognisable banknotes	up to 15 different banknote denominations in ccTalk, serial, pulse and binary validation modes, 4 banknotes in parallel mode
Acceptance speed	3 seconds

BV20

Simple, reliable and easy to use

BV20 has been designed to guarantee ease of use and maintenance.

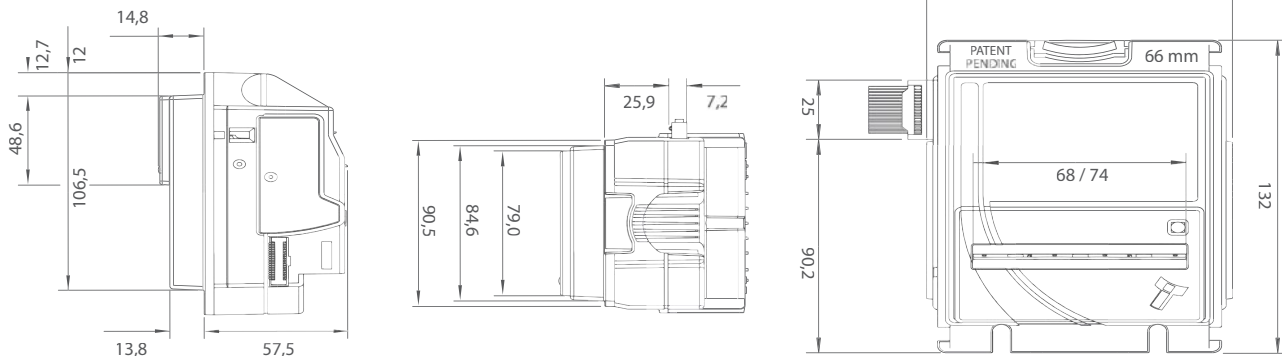
It offers a high level of acceptance for banknotes of various currencies, thanks to SPF™ technology, with an average rate of 99.8%.

Thanks to its compact size and its numerous protocols, it can be easily installed on various types of machines: kiddie rides, videogames and vending machines.



Features

- 2 different types of bezels for accepting and validating all banknotes of up to 66 mm and 72 mm in width.
- Banknote recognition and validation in only 3 seconds, thanks to the high speed motors of the acceptance device.
- Innovative optical anti-strim beam.
- External configuration button.
- Simple and innovative programming either via a PC or the new DA3 kit.
- Configuration card which allows setting configuration parameters alone directly on-site.
- Connection permitted even to machines with 110 V power supplies or MDB operating modes, thanks to its predisposition for special additional HW modules.
- Facilitated maintenance thanks to its practical opening.



Note: Unit of measure: mm

Tools

DA2 kit

Kit for programming, configuration and diagnostics.



DA3 kit

Kit for the operations of programming and configuration directly on site.



USB Kit

Includes 1 board and 1 USB cable. Allows for the simultaneous connection of an RM5 coin validator and a banknote reader to a PC without the need for additional adaptors.



Download Area

Dataset and firmware files can be obtained free of charge from the download area at www.comestergroup.com.



Versions

- CcTalk, parallel, pulse, SSP (Smiley Secure Protocol), binary, MDB (with dedicated interface) serial and more. Escrow function (for single banknotes).

Optional accessories

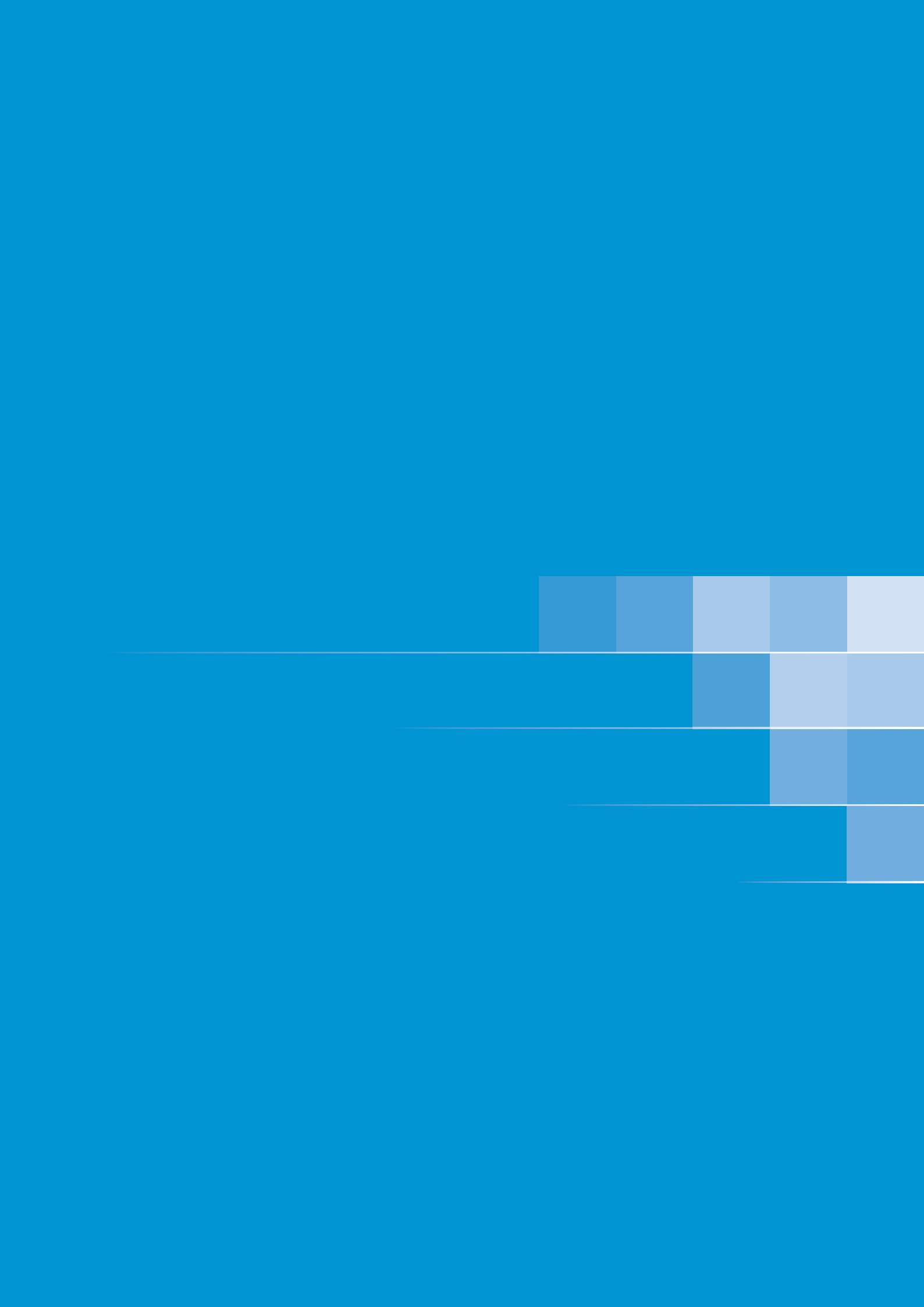
- Bezels
- AGCAVOSMILE: cable for connecting the banknote reader to its host machine in parallel mode. Available lengths: 20 - 50 - 100 - 150 cm
- AGCAVOSMILEPULS: cable for connecting a banknote reader in pulse mode. Available lengths: 100 and 200 cm
- USB SERIAL: cable for converting a serial connection to a USB connection
- RS232-PC adaptor for the Innovative reader
- DA2 kit
- DA3 kit
- USB Kit
- Dedicated interface for BV20 reader

Related products

- Banknote counters
- Cashless systems
- Coin validators

Technical Specifications

Dimensions (LxHxW)	96.7 x 132 x 72.3 mm
Weight	300 g
Power supply	12 Vdc +/- 10% (MDB version: min. 23 V - max 42 V)
Current consumption	1.2 mA in sleep mode - 150 mA in stand-by - 540 mA while running
Power consumption	180 mW in stand-by - 648 mW while running
Operating temperature	3°C ÷ 50°C
Banknotes accepted	up to 66 - 72 mm
Acceptance speed	3 seconds



Cashless Systems

Payment devices which allow for cashless purchases in various contexts.

They improve customer loyalty through promotional campaigns and discounts, even based on timeslots.

The labels for the systems, as well as their respective keys, cards and tags can be customised to match the graphics/logo of the company which owns the machine.

- WorldKey
- WorldKey Lite
- WorldKey Move
- Worldkey UltraLite
- CrediFast
- Easy Charge
- Meisaku Kit
- WorldKey General Purpose
- WorldKey General Purpose Capsense
- Easy Pay
- WorldKey Desktop
- EuroKey NEXT - MDB/EXE
- EuroKey NEXT - Parallel
- Apollo
- Apollo X2
- Apollo XL

World Key

A world of opportunities in a single system

The new WorldKey system uses the MIFARE® (standard, Plus, DesFire, NFC) technology platform to ensure high safety standards and management of multiple applications.

Security in transferring data is ensured by the combination of the proprietary encryption MIFARE® and RFTech TDES (Triple Data Encryption Standard).

WorldKey allows you to manage several sales or identification applications (access to different services also of different operators), storing them all on a single RFID support (card/key/tag). The applications can be used within a single infrastructure or extended to different businesses, either visibly or hidden. WorldKey supports the most widespread protocols (Executive, MDB, BDV) and is ready to integrate the Ethernet, RS485, CAN BUS, ccTalk and USB interfaces.

The type of products/services the customer can access can also be specified for each card/key/tag.



Features

- System comprising one CPU unit and a reading device connected by a "smart" coaxial cable (patent pending).
- The reading device is available in 3 versions:
 - Moon:** only with insertion key/tag. It is supplied with two different front panels: round, the most commonly used and oval, ideal for retrofitting.
 - Sky:** Insertion card plus key/tag.
 - Galaxy:** with card in tap & go mode plus key/tag.
- CPU equipped with USB and RS232 ports for firmware upgrading, system configuration, audit/log data collection and connection to the PC or for piloting an external device (USB in OTG "on the go" mode).
- Compatible with KPM board.
- Reading devices equipped with: semaphore signals

Functions

- Different price management modes.
- Sales prices (80x3 cashless prices + 80 cash prices).
- Single or multiple cash sales modes.
- Management of 3 security codes (operator, rental, machine).
- User modifiable machine No.
- Management of the maximum value to be charged on the key.
- Differentiated key management.
- Black list/white list/log file management.
- Time slots management.
- Bonus management.
- Accounting data management.
- On-site firmware updating.
- Remote management via Ethernet.
- USB on the go.
- CAN BUS connector.
- RS485 connector.
- Parallel banknote reader management.
- Parallel coin validator management.

Versions

- EXE/EXE also in BDV
- EXE/MDB also in BDV
- MDB/MDB
- MDB/SLAVE

according to the EVA-CVS standard with 3 status LEDs, buzzer and infrared interface to collect audit/log data and program the readers.

- Supported vending protocols: Executive master/slave, MDB master/slave and BDV master/slave.
- Automatic baptism of cards/keys/tags upon first insertion into the CPU.
- A display with 16 characters on 2 rows can be connected.

Tools

UNICO configuration program

Software package combining all software used in collecting and managing audit/log data (pursuant to the EVA-DTS standard or Windows Excel), programming operating parameters and managing all functions of the cards/keys/tags (user data, prices, black/white list, bonus, points, discounts, free sales, subsidies, usage time slots, access time, etc.).



Software for card management (code RFT-CARD-SW)

Software for audit and log management (code RFT-AUDIT-SW)

Universal hand-held programming device

To program WorldKey on-site or download the audit data via infrared connection.



Programming key



Audit key



Optional accessories

- Universal hand-held programming device
- RFID keys customisable in the label by quantity
- RFID cards customisable in the graphics by quantity
- RFID tags customisable in the graphics and shape by quantity
- Stickers customisable in the graphics by quantity
- Credit Box for transferring credits from one transponder to another
- UNICO configuration program



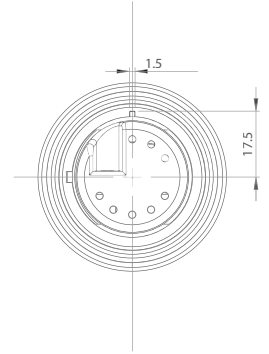
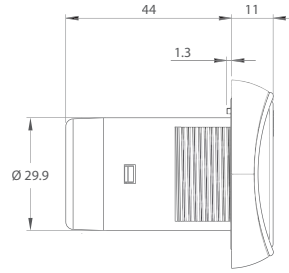
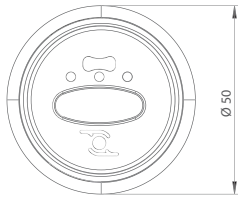
Related products

- Meisaku Kit
- Easy Pay Unit
- Desk Top Unit
- General Purpose Unit
- Capsense General Purpose Unit
- Electronic coin validators
- Banknote readers
- RR6HD change-giver validator

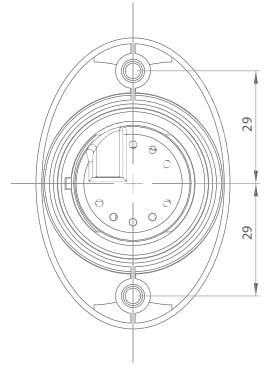
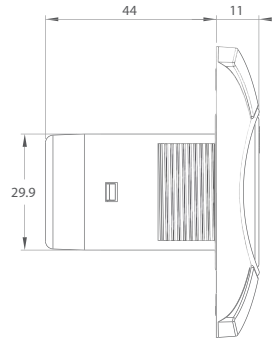
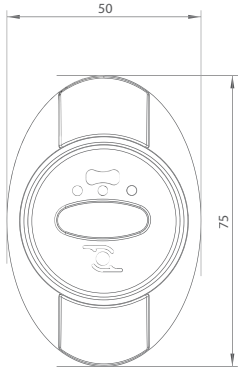
World Key



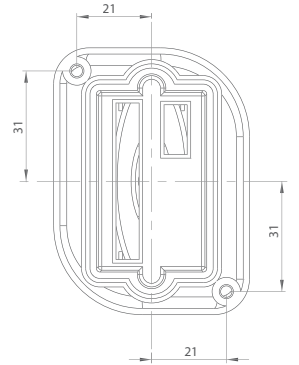
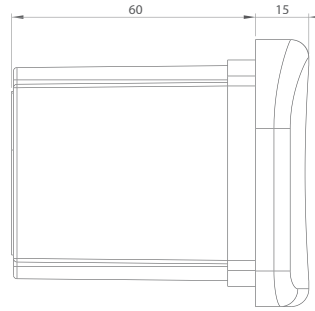
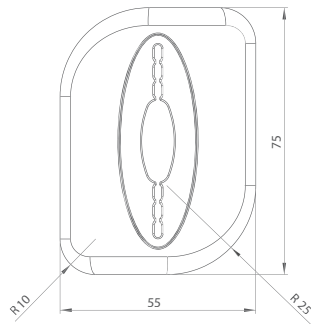
Moon
Reading device for keys and tags
Round front plate



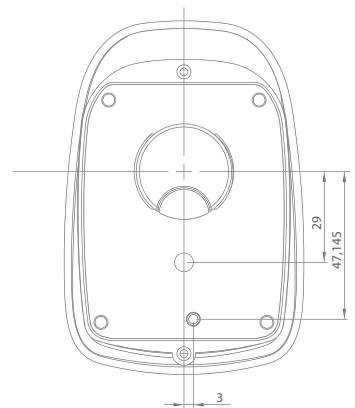
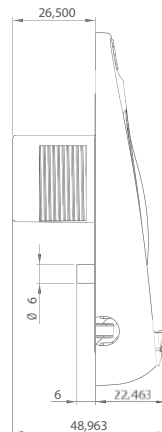
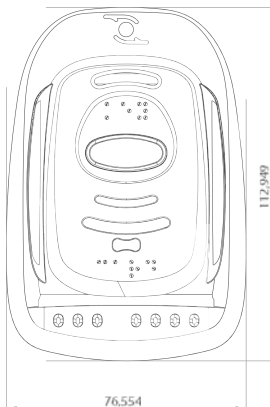
Moon
Reading device for keys and tags
Oval front plate



Sky
Reading device for keys, tags
and insertion cards

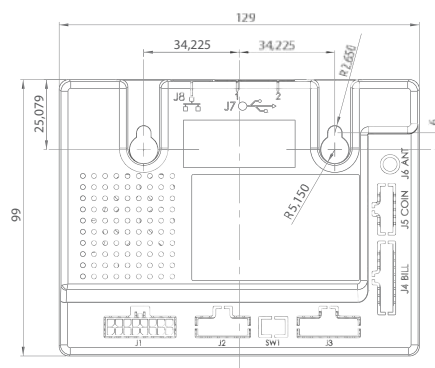


Galaxy
Universal reading device
for keys, tags and tap & go cards





WorldKey
CPU



Payment supports



Keys customisable in the label by quantity



Cards customisable in the graphics by quantity



Wide range of Tags available in different shapes and colours

Technical Specifications - CPU

Dimensions (LxHxW)	129 x 99 x 28 mm
Weight	200 g
Power supply	15-40 Vdc - 12-27 Vac (50-60 Hz)
Power consumption	3.75W without peripherals
Operating temperature	-20°C ÷ 50°C
Humidity (non-condensed)	90%
Storage temperature	-20°C ÷ 70°C



Stickers customisable in the graphics by quantity

Technical Specifications - reading devices

	Moon (Round front plate)	Moon (Oval front plate)	Sky	Galaxy
Dimensions (LxHxW)	50 x 50 x 55 mm	50 x 75 x 55 mm	55 x 75 x 75 mm	77 x 113 x 50 mm
Weight	45 g	45 g	60 g	90 g
Operating temperature	-20°C ÷ 50°C	-20°C ÷ 50°C	-20°C ÷ 50°C	-20°C ÷ 50°C
Humidity (non-condensed)	90%	90%	90%	90%
Storage temperature	-20°C ÷ 70°C	-20°C ÷ 70°C	-20°C ÷ 70°C	-20°C ÷ 70°C

Technical Specifications - keys/cards/tags

Technology used	ISO 14443 – MIFARE® encrypted data and energy induction transmission
Transmission frequency	13.56 MHz

WorldKey Lite

Cashless without borders, expressly designed for the vending industry

The new WorldKey Lite system uses the MIFARE® (standard, Plus, DesFire, NFC) technology platform to ensure high safety standards and management of multiple applications. Security in transferring data is ensured by the combination of the proprietary encryption MIFARE® and RFTech TDES (Triple Data Encryption Standard).

WorldKey Lite allows you to manage several sales or identification applications (access to different services also of different operators), storing them all on a single RFID support (card/key/tag). The applications can be used within a single infrastructure or extended to different businesses, either visibly or hidden.

WorldKey Lite allows all types of supports (card, keys or any other form of RFID tag/transponder) to be used for payment.

The type of products/services the customer can access can also be specified for each card/key/tag.



Features

- System comprising one CPU unit and a reading device connected by a "smart" coaxial cable (patent pending).
- The reading device is available in 3 versions:
 - Moon:** only with insertion key/tag. It is supplied with two different front panels: round, the most commonly used and oval, ideal for retrofitting.
 - Sky:** Insertion card plus key/tag.
 - Galaxy:** with card in tap & go mode plus key/tag.
- CPU equipped with mini USB port for firmware upgrading, system configuration, audit/log data collection and connection to the PC or for piloting an external device.
- Reading devices equipped with: semaphore signals according to the EVA-CVS standard with 3 status LEDs (red, yellow, green), buzzer for confirmation of operations and infrared interface to collect audit/log data and program the readers.
- Supported vending protocols: Executive master/slave, MDB master/slave and BDV master/slave.
- Automatic baptism of cards/keys/tags upon first insertion into the CPU.

Functions

- Different price management modes.
- Sales prices (80x3 cashless prices + 80 cash prices).
- Single or multiple cash sales modes.
- Direct coin validator management.
- Management of 3 security codes (operator, rental, machine).
- User modifiable machine No.
- Management of the maximum value to be charged on the key.
- Differentiated key management.
- Black list/white list/log file management.
- Time slots management.
- Bonus management.
- Accounting data management.
- On-site firmware updating.

Versions

- EXE/EXE also in BDV
- EXE/MDB also in BDV
- MDB/MDB
- MDB/SLAVE

Tools

UNICO configuration program

Software package combining all software used in collecting and managing audit/log data (pursuant to the EVA-DTS standard or Windows Excel), programming operating parameters and managing all functions of the cards/keys/tags (user data, prices, black/white list, bonus, points, discounts, free sales, subsidies, usage time slots, access time, etc.).



Software for card management (code RFT-CARD-SW)

Software for audit and log management (code RFT-AUDIT-SW)

Universal hand-held programming device

To program WorldKey on-site or download the audit data via infrared connection.



Programming key



Audit key



Optional accessories

- Universal hand-held programming device
- RFID keys customisable in the label by quantity
- RFID cards customisable in the graphics by quantity
- RFID tags customisable in the graphics and shape by quantity
- Stickers customisable in the graphics by quantity
- Credit Box for transferring credits from one transponder to another
- UNICO configuration program



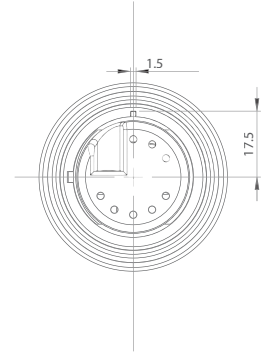
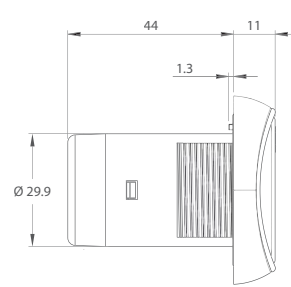
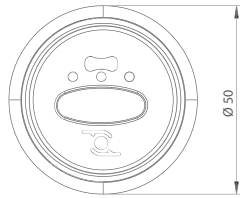
Related products

- Meisaku Kit
- Easy Pay Unit
- Desk Top Unit
- General Purpose Unit
- Capsense General Purpose Unit
- Electronic coin validators
- Banknote readers
- RR6HD change-giver validator

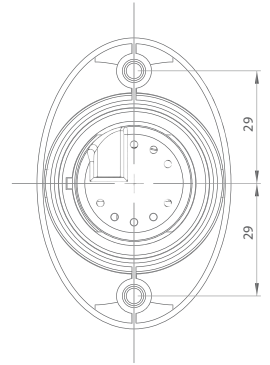
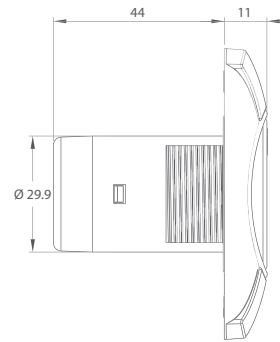
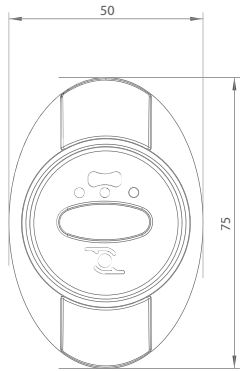
World Key Lite



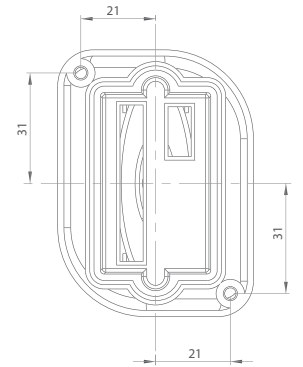
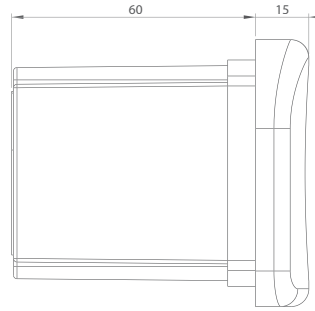
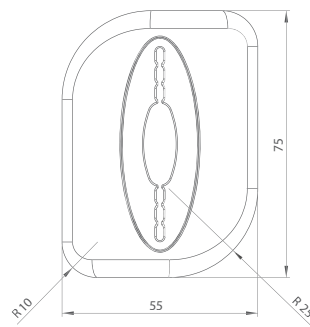
Moon
Reading device for keys and tags
Round front plate



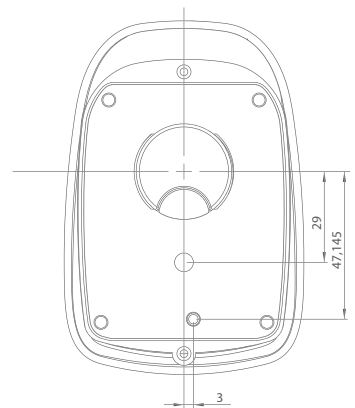
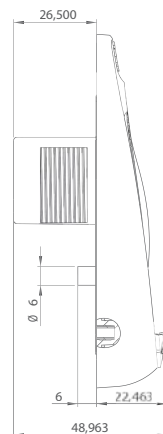
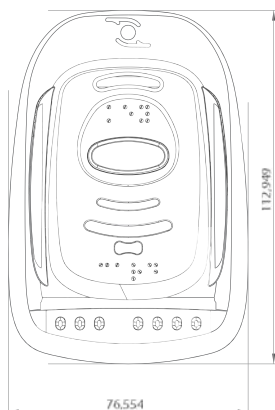
Moon
Reading device for keys and tags
Oval front plate



Sky
Reading device for keys, tags
and insertion cards

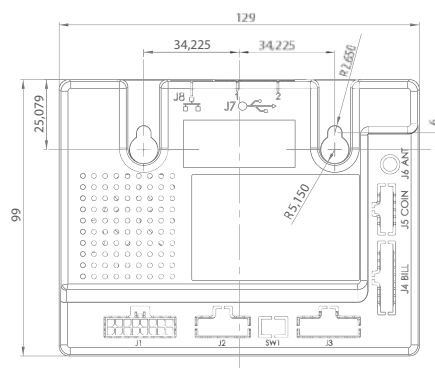


Galaxy
Universal reading device
for keys, tags and tap & go cards





WorldKey Lite
CPU



Payment supports



Keys customisable in the label by quantity



Cards customisable in the graphics by quantity



Wide range of **Tags** available in different shapes and colours

Technical Specifications - CPU

Dimensions (LxHxW)	129 x 99 x 28 mm
Weight	170 g
Power supply	17-39 Vdc - 14-26 Vac (50-60 Hz)
Power consumption	3.25W without peripherals
Operating temperature	-20°C ÷ 50°C
Humidity (non-condensed)	90%
Storage temperature	-20°C ÷ 70°C



Stickers customisable in the graphics by quantity

Technical Specifications - reading devices

	Moon (Round front plate)	Moon (Oval front plate)	Sky	Galaxy
Dimensions (LxHxW)	50 x 50 x 55 mm	50 x 75 x 55 mm	55 x 75 x 75 mm	77 x 113 x 50 mm
Weight	45 g	45 g	60 g	90 g
Operating temperature	-20°C ÷ 50°C	-20°C ÷ 50°C	-20°C ÷ 50°C	-20°C ÷ 50°C
Humidity (non-condensed)	90%	90%	90%	90%
Storage temperature	-20°C ÷ 70°C	-20°C ÷ 70°C	-20°C ÷ 70°C	-20°C ÷ 70°C

Technical Specifications - keys/cards/tags

Technology used	ISO 14443 – MIFARE® encrypted data and energy induction transmission
Transmission frequency	13.56 MHz

WorldKey Move

MIFARE® technology at the service of electromechanical equipment

The high safety standards guaranteed by the MIFARE® technological platform (standard, Plus, DesFire, NFC), together with the possibility of managing electromechanical equipment directly: today this is all possible with the new WorldKey Move.

Ideal for all those environments where service payment needs to be automated, such as carwashes, self-service laundromats, service areas, tourist and sports centres, WorldKey Move is the compact solution to run gantries, tracks, washing machines, timed lighting devices and much more.

WorldKey Move can manage different peripheral devices through the MDB protocol, or through parallel connection (for example a coin mechanism, a change-giver coin mechanism, a banknote reader) and is set up to integrate Ethernet, RS485, CAN BUS and USB interfaces.

WorldKey Move can also be connected directly to an electronic coin mechanism (or to a banknote reader) to recharge keys, cards or tags. By simply configuring the "start" button you can manage activation of the service. Thanks to WorldKey Move the customer is closer: you can set up promotional campaigns and discounts (even according to time bands), offer bonuses and awards to earn the loyalty of your customers and to increase sales.



Features

- System composed of a CPU and a reading head connected by a "smart" coaxial cable (patent pending).
- The reading head is available in 3 versions:
 - **Moon** only with inserting key/tag. It is supplied with two different front panels: round, the most commonly used, and oval, ideal for retrofitting;
 - **Sky** with inserting card plus key/tag;
 - **Galaxy** with card in tap&go mode plus key/tag.
- Reading heads equipped with: red light signal according to EVA-CVS standard with 3 status LEDs, buzzer and infrared interface for audit/log data collection and reader programming.
- Activation of keys/cards/tags at first insertion.
- Integrated parallel interface.
- Equipped with 2 relay outputs and 4 inputs.
- CPU equipped with USB and RS232 mini-ports for firmware upgrading, system configuration, audit/log data collection and connection to the PC or to drive an external device.
- Supplied with Ethernet connection to manage or modify data remotely.
- Protocols supported: Executive master/slave, MDB master/slave and BDV master/slave.
- Possibility of connecting 16-character 2-line display.

Functions

- Management and automation of 2 services.
- Single or multiple cash sales modes.
- Management of 3 safety codes (Administrator, renter, machine).
- Machine number editable by user.
- Management of maximum value that can be charged on the support.
- Management of differentiated cards/keys/tags.
- Management of black list/white list/log file.
- Management of time bands.
- Evolved bonus and discount management.
- Accounting data management.
- On-site firmware updates.
- Management and modification of data remotely through Ethernet connection.
- CANBUS connection.
- RS485 connector.
- Parallel management of coin validator.
- Parallel management of banknote validator.

Tools

UNICO configuration program

Software package which assembles all programs for collection and management of audit/log data (according to EVA-DTS standard or Windows Excel), for programming operating parameters and for management of all key/card/tag functions.



UNICO CARD management software of cards (code RFT-CARD-SW)

UNICO AUDIT management software of audits and logs (code RFT-AUDIT-SW)

Portable universal programmer

To program WorldKey Move directly on the field or to download audit data via infrared.



Programming key



Clone programming key



Audit Key



Optional accessories

- Portable universal programmer
- RFID keys customisable in the label by quantity
- RFID cards customisable in the graphics by quantity
- RFID tags customisable in the graphics and shape by quantity
- Stickers customisable in the graphics by quantity
- UNICO configuration program
- Credit Box to transfer credit from one transponder to another
- USB micro cable and USB Pen Drive micro cable
- IRDA interface for collection of data in EVA-DTS format using a palm top PC



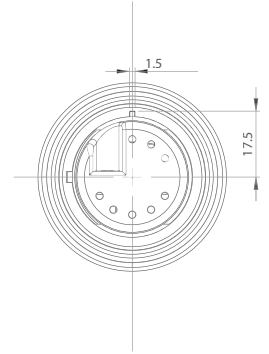
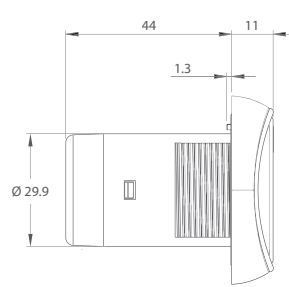
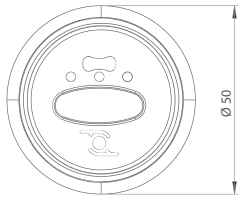
Related products

- Easy Pay Unit
- Desk Top Unit
- General Purpose Unit
- Capsense General Purpose Unit
- RM5 HD electronic coin mechanism
- RR6HD change-giver validator
- Banknote readers

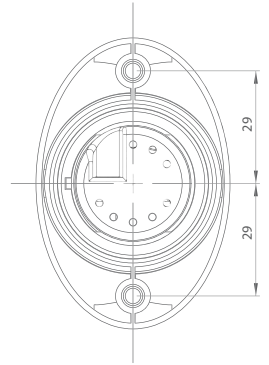
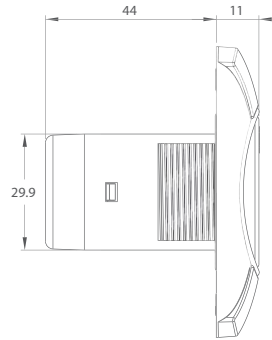
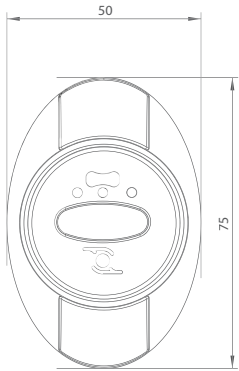
World Key Move



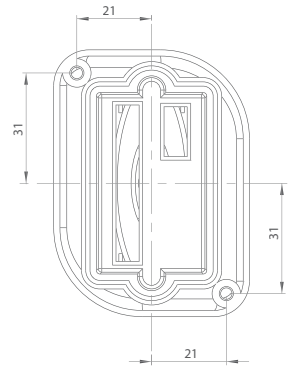
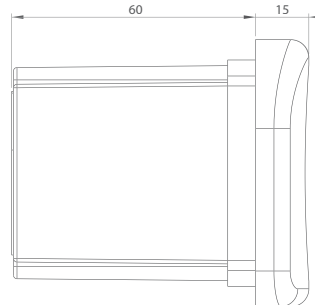
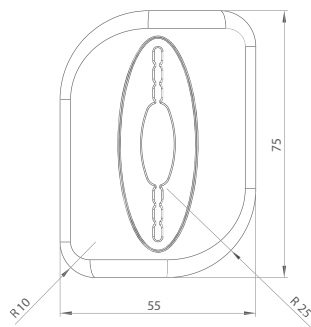
Moon
Reading device for keys and tags
Round front plate



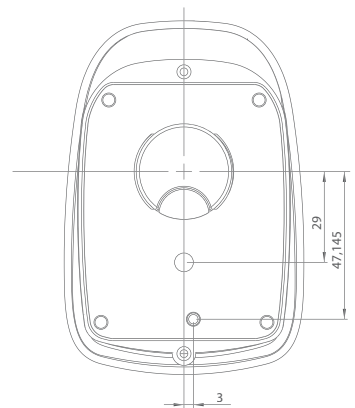
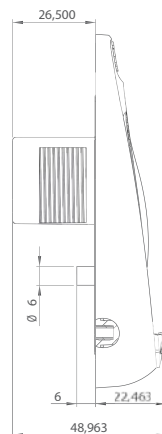
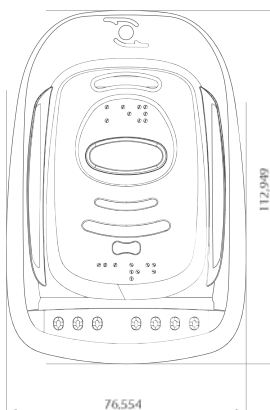
Moon
Reading device for keys and tags
Oval front plate



Sky
Reading device for keys, tags
and insertion cards

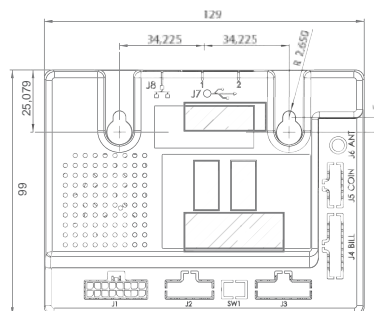
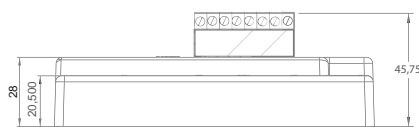


Galaxy
Universal reading device
for keys, tags and tap & go cards





WorldKey Move
CPU



Payment supports



Keys customisable in the label by quantity



Cards customisable in the graphics by quantity



Tag available in different shapes and colours

Technical specifications - CPU

Dimensions (LxHxD)	129 x 99 x 46 mm
Weight	240 g
Supply voltage	15-40 Vdc - 12-27 Vac (50-60 Hz)
Absorbed power	3.75 without peripherals
Operating temperature	-20°C ÷ 50°C
Humidity (non condensed)	90%
Storage temperature	-20° C ÷ 70° C



Stickers customisable in the graphics by quantity

Technical Specifications - reading devices

	Moon (Round front plate)	Moon (Oval front plate)	Sky	Galaxy
Dimensions (LxHxW)	50 x 50 x 55 mm	50 x 75 x 55 mm	55 x 75 x 75 mm	76.5 x 113 x 49 mm
Weight	45 g	45 g	60 g	90 g
Operating temperature	-20°C ÷ 50°C	-20°C ÷ 50°C	-20°C ÷ 50°C	-20°C ÷ 50°C
Humidity (non-condensed)	90%	90%	90%	90%
Storage temperature	-20°C ÷ 70°C	-20°C ÷ 70°C	-20°C ÷ 70°C	-20°C ÷ 70°C

Technical Specifications - keys/cards/tags

Technology used	Inductive transmission, data and energy ISO 14443 – MIFARE® encrypted
Transmission frequency	13.56 MHz

WorldKey UltraLite

The cashless solution everyone can use

WorldKey extends its range to offer an array of solutions for the many installation and management requirements. WorldKey UltraLite is here: high safety standards, guaranteed by the MIFARE® technology platform.

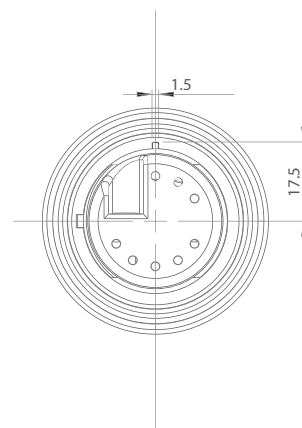
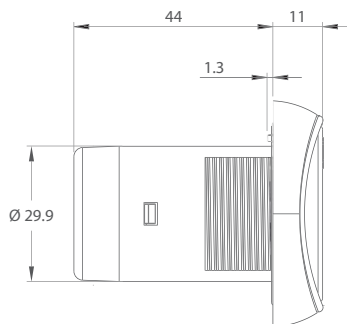
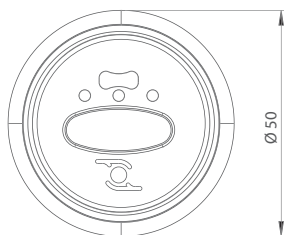
Designed specifically for the world of automated distribution, simple to use and practical to install, WorldKey UltraLite is also convenient for its price. It manages key (or tag) credit promptly and efficiently in MDB slave mode. It is compatible with all Master MDB devices (vending machines and change-givers) available on the market, WorldKey UltraLite offers great versatility in payments.



Features

- CPU-integrated dedicated reading head for inserting key/tag.
- Two different fronts: round, most commonly used, and oval, ideal for retrofitting.
- Reading head equipped with red light signal according to EVA-CVS standard with 3 status LEDs.
- Supported protocol: MDB slave.
- Activation of keys/tags at first insertion, which can be included as an option.
- Compatible with all change-giver coin mechanisms available on the market.

Technical Schematics



Note: Unit of measure: mm

Functions

- Management of user groups.
- Management of a second MDB address.
- Black list management.
- The managed support is compatible with all of the ones available in the WorldKey range.

Tools

UNICO configuration program

Software package which assembles all programs for collection and management of audit/log data (according to EVA-DTS standard or Windows Excel), for programming operating parameters and for management of all key/tag functions.



Portable universal programmer (UHHT)

For direct on-field programming using a USB micro cable connection.



Programming key



Clone programming key



Optional accessories

- Portable universal programmer (UHHT)
- RFID keys customisable in the label by quantity
- RFID tags customisable in the graphics and shape by quantity
- UNICO configuration program
- Credit Box to transfer credit from one transponder to another
- Micro USB cable

Related products

- Easy Pay unit
- Desk Top unit
- General Purpose unit
- General Purpose Capsense unit
- RM5 HD electronic coin mechanism
- RR6 HD change-giver coin mechanism
- Banknote readers

Technical specifications - CPU

Dimensions (LxHxD)	Reading head	50 x 75 x 55 mm
	Connection module for BUS MDB	78x39.5x22 mm
Weight		75 g
Supply voltage		compliant with MDB protocol
Power consumption		1.15 W
Operating temperature		-20°C ÷ 50°C
Humidity (non condensed)		90%
Storage temperature		-20°C ÷ 70°C

Technical Specifications - key/card/tag

Technology used	Inductive transmission, data and energy ISO 14443 – Mifare® encrypted
Transmission frequency	13,56 MHz

Payment supports



Keys customisable in the label by quantity



Wide range of Tags available in different shapes and colours

CrediFast

Quick and easy MIFARE® support charging device

CrediFast is a new device aimed at transferring credit from a bank circuit to an e-wallet. In just a few seconds, users can transfer a set amount of money from their credit card to a cashless payment system (key, card or tag) based on the MIFARE® technology platform (standard, Plus, DesFire, NFC). Two receipts are issued upon completion of the operation: one to confirm the bank transaction and another one to confirm the credit being charged onto the support.

The system allows cancelling of the transaction upon exceeding of the set credit transfer time limit or the credit limit set on the cashless payment system.

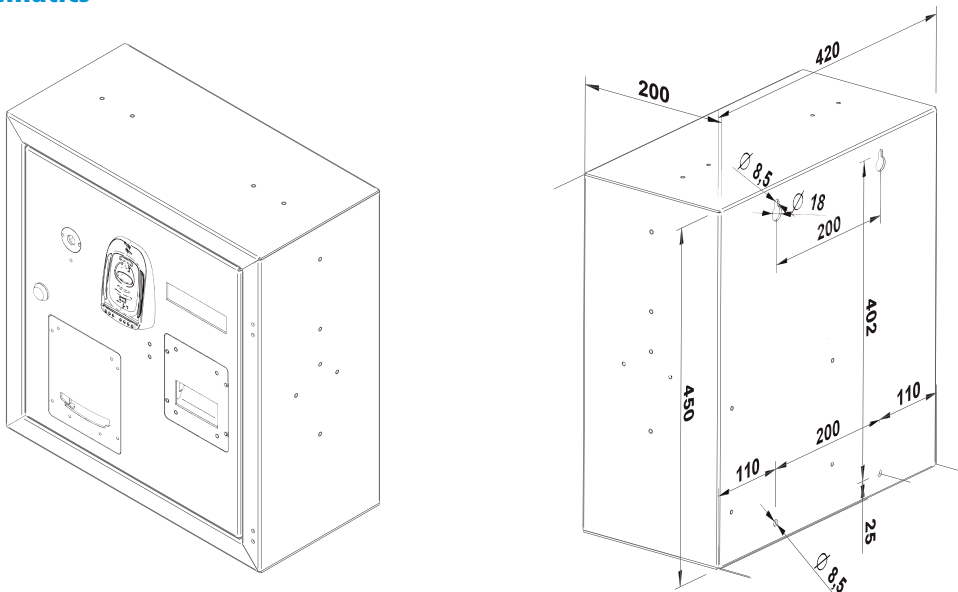
CrediFast is a quick and practical solution to any problem and inconvenience related to cash payment management.



Features

- System consisting of a CPU and a reading head connected via a "smart" coaxial cable (patent pending).
- Built-in Galaxy reading head with tap&go card plus key/tag.
- Reading head equipped with: red light signal in compliance with the EVA-CVS standard with 3 status LEDs (red, yellow and green), buzzer to indicate the operation outcome and infrared interface for audit/log data collection.
- Credit card reader with integrated voice guidance. Three credit card reading options: electromagnetic band, chip or contactless.
- Handy 16-character 2-line alphanumeric display.
- NV9 USB banknote reader for charging of payment system (card, key or tag) through the use of banknotes (optional).
- Built-in receipt printer.
- Safe and sturdy cabinet built in order to prevent any break-in or theft attempt.

Technical Schematics



Note: Unit of measure: mm

Tools

UNICO configuration program

Software package which assembles all programs for collection and management of audit/log data (according to EVA-DTS standard or Windows Excel), for programming operating parameters and for management of all key/card/tag functions.



Card management software (code RFT-CARD-SW)

Audit and log management software (code RFT-AUDIT-SW)

Programming key



Clone programming key



Audit Key



Functions

- Management of card/key/tag lists.
- Accounting data management.
- Management of maximum value that can be charged to the support.
- Management of differentiated cards/keys/tags.

Installed peripheral devices

- WorldKey cashless system CPU
- Galaxy reading head for cards/keys/tags
- Credit card reader
- Printer

Optional peripheral devices

- NV9 USB banknote reader

Optional accessories

- RFID keys customisable in the label by quantity
- RFID cards customisable in the graphics by quantity
- RFID tags customisable in the graphics and shape by quantity
- UNICO configuration program
- USB cable for connection to PC
- Portable universal programmer (UHHT)

Related products

- Desk Top Unit
- General Purpose Unit
- Capsense General Purpose Unit
- Banknote readers

Technical specifications

Dimensions (LxHxD)	420 x 450 x 200 mm
Weight	25 Kg
Supply voltage	230 Vac 50/60Hz
Power consumption	800 mA
Operating temperature	0° ÷ 50 °C

Technical Specifications – keys/cards/tags

Technology used	Inductive transmission of data and energy ISO 14443 Type A MIFARE® protocol
Transmission frequency	13,56 MHz

Easy Charge

Easy Charge is the new recharging device for cards, keys and tags, based on the MIFARE® radiofrequency transmission technology.

The compact size and the simple design make it suited to be installed in any type of environment: shopping centres, gymnasiums, airports, train stations, game rooms, offices, snack bars and internet cafés. The fixed structure, the enhanced locking systems and the strong safety lock make it resistant to break-in or tampering attempts.

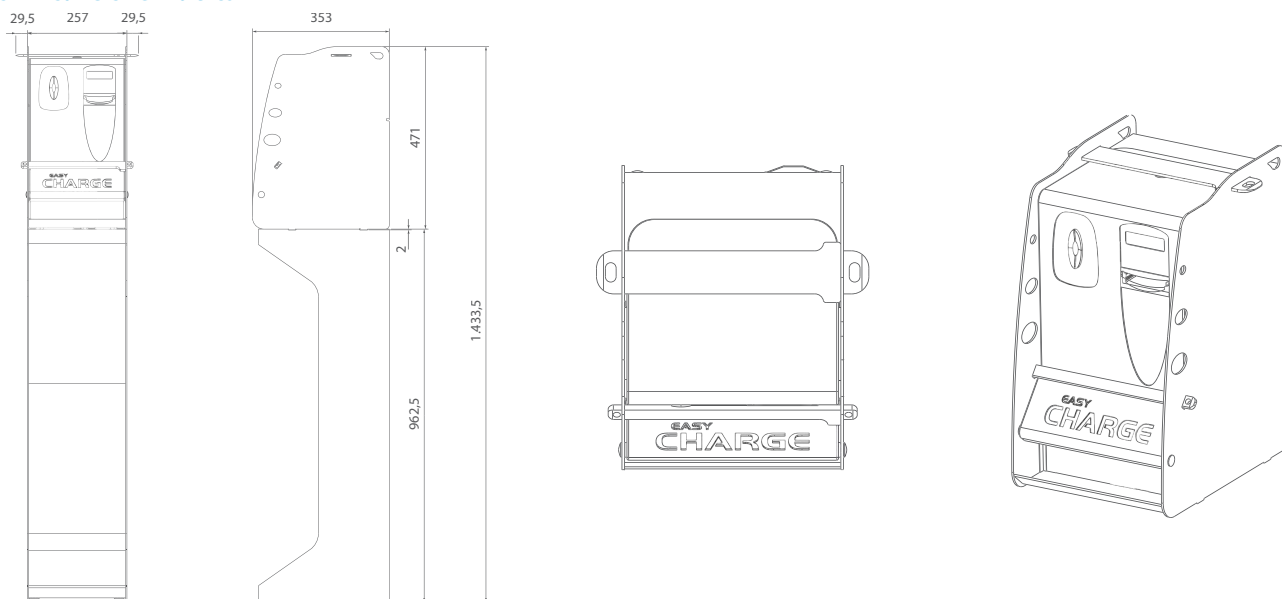
Easy Charge is equipped with a handy display which shows remaining credit on the support during the recharging operation.



Features

- System composed of a CPU and a reading head connected with a “smart” coaxial cable (patent pending).
- The reading head is available in 2 versions:
Sky: with inserting card plus key/tag;
Galaxy: with card in tap & go mode plus key/tag.
- The reading heads are equipped with red light signal pursuant to EVA-CVS standard with 3 status LEDs, buzzer to signal the outcome of the operations, infrared interface for audit/log data collection and reader programming.
- The CPU is equipped with USB and RS232 ports for firmware updates, system configuration, audit/log data collection and connection to PC.
- Handy graphical 16-character 2-line display.
- Inside on-off switch.
- Different installation modes: on a wall (with optional Easy UP kit), on a table, on a wall with 3 dowels to be inserted at the back of the appliance, on the floor on a specific support base (optional).

Technical Schematics



Note: Unit of measure: mm

Functions

- Management of 3 safety codes (operator, renter, machine).
- Management of maximum value that can be charged on the support.
- Management of maximum value accepted by banknote reader.
- Management of card/key/tag lists.
- Evolved bonus management.
- Accounting data management.
- Reading and writing of machine configuration.
- Management of peripheral configuration.
- On-site firmware update.
- Language management.
- Export of audit data in various formats.
- Parallel management of coin validator.

Versions

Version 1: SKY + NV9 USB

Version 2: GALAXY + NV9 USB

Version 3: SKY + NV10 USB + RM5 HD

Version 4: GALAXY + NV10 USB + RM5 HD

Tools

UNICO configuration programmer

Software package which assembles all programs for collection and management of audit/log data (according to EVA-DTS standard or Windows Excel), for programming operating parameters and for management of all key/card/tag functions.



Card management software (code RFT-CARD-SW)

Audit and log management software (code RFT-AUDIT-SW)

Programming key



Clone programming key



Audit Key



Installed peripheral devices

- WorldKey cashless system
- Sky/Galaxy reading head for cards/keys/tags
- NV9 USB or NV10 USB banknote reader

Optional peripheral devices

- RM5 HD coin mechanism (model B with front coin entrance and ejection in specific coin collection cup)
- Portable universal programmer (UHHT)

Optional accessories

- Customised amount of cards, keys and tags
- UNICO configuration program
- USB cable for connection to PC
- Support base
- Reprogrammable locks
- Easy UP installation kit
- Theft-proof kit
- Steel protective bars

Related products

- WorldKey
- WorldKey Lite
- Desk Top Unit
- General Purpose Unit
- Capsense General Purpose Unit
- Electronic coin validators
- Banknote readers

Technical specifications

	Easy Charge	Easy Charge on support base
Dimensions (LxHxD)	257 x 473 x 353 mm	257 x 1.435 x 353 mm
Weight	20 Kg	38 Kg
Supply voltage	230 Vac - 50 Hz	230 Vac – 50 Hz
Absorbed power	60 VA max	60 VA max
Operating temperature	0° ÷ 50 °C	0° ÷ 50 °C

Coin capacity

	1,00 €
Cash Box	1,000

Banknote capacity

	5,00 €
NV9 USB	600
NV10 USB	400

Meisaku Kit

The flexible cashless system for Ho.Re.Ca. machines.

Meisaku Kit is the ideal tool for connecting all types of automatic payment systems to any type of Ho.Re.Ca. machine.

However, Meisaku Kit is not only a connection interface, but also a complete cashless payment tool, capable of reading and writing standard MIFARE® cards and keys.

To guarantee maximum installation flexibility, Meisaku Kit is equipped with a separate antenna connected to the main unit via a coaxial cable. The system programming is also made easy and immediate thanks to the use of UNICO software.

To extend the connection possibilities, the MDB Master interface is also available as an option, which allows a further cashless payment system to be connected.



Related products

- WorldKey
- WorldKey Lite
- Easy Pay Unit
- Desk Top Unit
- General Purpose Unit
- Capsense General Purpose Unit
- Electronic coin validators
- Banknote readers

Features

- CPU 16bit 24Mhz.
- RTC (Real Time Clock) internal clock for storing accounting data.
- CSI protocol.
- GIGAR protocol for registering cash.
- Interface with parallel payment system EXE/MDB/BDV.
- Display.
- Parallel interface for banknote reader/coin validator.

Tools

- UNICO configuration program

Optional accessories

- Cards customisable by quantity
- Keys customisable by quantity
- Tags customisable by quantity
- Stickers customisable by quantity
- UNICO configuration program

Technical Specifications

Dimensions (LxHxW)	120 x 22 x 113 mm
Weight	300 g
Power supply	15-42.5V AC/DC
Power consumption	2.8 VA
Operating temperature	-10°C ÷ 50°C
Humidity (non-condensed)	90%
Storage temperature	-20°C ÷ 70°C

World Key peripherals

The security of MIFARE® technology serving the most varied applications

All the peripherals in the range are united by the MIFARE® radiofrequency transmission technology, which offers superior performance with respect to common cashless systems. Security is guaranteed by the 48 + 48 bit data protection system, whereas the versatility is guaranteed by the possibility to manage different sales or identification services.



General Purpose Unit

Features

- Ideal for managing timed devices and for cashless payment of the services provided by them.
- Usable as a Door opener and Access Control for doors equipped with electrified contacts or electronic locks.
- Configurable with all the standard interfaces, RS232, RS485, and TCP/IP for integration with “Stand Alone” or “On Line” management SW.
- Waterproof anti-vandal design.

Tools

- UNICO configuration program

Optional accessories

- Cards customisable by quantity
- Keys customisable by quantity
- Tags customisable by quantity
- Stickers customisable by quantity
- UNICO configuration program

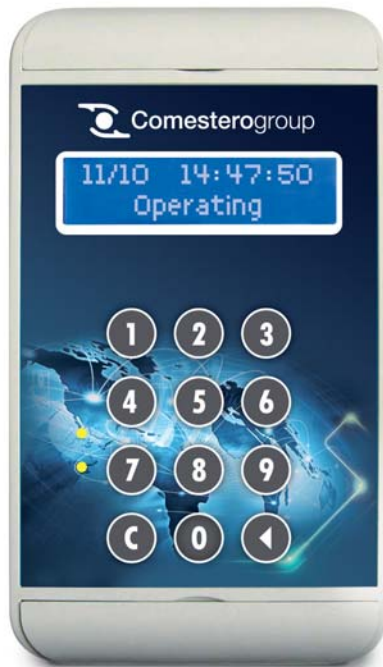
Related products

- WorldKey
- WorldKey Lite
- Meisaku Kit
- Easy Pay Unit
- Desk Top Unit

Technical Specifications

Dimensions (LxHxW)	160 x 50 x 90 mm
Weight	350 g
Power consumption	4.2 VA
Power supply	12-24V AC/DC
Operating temperature	-5°C ÷ 50°C
Humidity (non-condensed)	90%
Storage temperature	-20°C ÷ 70°C

Capsense General Purpose Unit



Related products

- WorldKey
- WorldKey Lite
- Meisaku Kit
- Easy Pay Unit
- Desk Top Unit
- General Purpose Unit

Features

- All the possibilities of the General Purpose Unit, as well as the capacity to view any decounter on the display.
- Ideal for managing timed devices and for cashless payment of the services provided by them.
- Usable as a Door opener and Access Control for doors equipped with electrified contacts or electronic locks.
- Configurable with all the standard interfaces, RS232, RS485, and TCP/IP for integration with "Stand Alone" or "On Line" management SW.
- Capsense touch sense keyboard.
- Possibility to associate a pin code with the provision of the service or the opening of a door.
- Waterproof anti-vandal design.
- Back-lit display.

Tools

- UNICO configuration program

Optional accessories

- Cards customisable by quantity
- Keys customisable by quantity
- Tags customisable by quantity
- Stickers customisable by quantity
- UNICO configuration program

Technical Specifications

Dimensions (LxHxW)	160 x 50 x 90 mm
Weight	350 g
Power consumption	4.2 VA
Power supply	12-24V AC/DC
Operating temperature	-5°C ÷ 50°C
Humidity (non-condensed)	90%
Storage temperature	-20°C ÷ 70°C



Easy Pay Unit

Features

- Practical and compact device that allows the operator to recharge customer cards, keys or tags.
- Also offers the option to print a receipt on thermal paper.
- Ideal for company canteens, tourist resorts or self-service bars.
- Its functions include:
 - Key/Card/Tag management.
 - Recharge – Decrease user cards.
 - Price table management.
 - Fast menu management for canteen applications.
 - Recharge bonus management.
 - Master card use for controlled operations.
 - Use of Programming/Audit keys.
 - Use of Black- Access List.

Technical Specifications

Dimensions (LxHxW)	216 x 86 x 95 mm
Weight	525 g
Power consumption	40 VA
Power supply	8.2V DC
Operating temperature	-5°C ÷ 50°C
Humidity (non-condensed)	90%
Storage temperature	-20°C ÷ 80°C

Tools

- UNICO configuration program

Optional accessories

- Cards, keys, tags and stickers customisable by quantity
- UNICO configuration program

Versions

- **Combi:** table version
- **Mobile:** portable version with rechargeable battery

Related products

- WorldKey
- WorldKey Lite
- Meisaku Kit
- Desk Top Unit
- General Purpose Unit
- Capsense General Purpose Unit



Desk Top Unit

Features

- Device can be connected to PC via USB connection.
- Allows the operator to perform all the card, key or tag management activities, access the configuration procedures and download and organise the audit data on PC.
- In combination with the UNICO program or software by other manufacturers, it allows customised programming of cards and all types of tags for cashless payments.

Technical Specifications

Dimensions (LxHxW)	89 x 147.5 x 25 mm
Weight	100 g
Power consumption	0.5 VA
Power supply	5VDC- USB
Operating temperature	-20°C ÷ 50°C
Humidity (non-condensed)	90%
Storage temperature	-20°C ÷ 70°C

Tools

- UNICO configuration program

Optional accessories

- Cards, keys, tags and stickers customisable by quantity
- UNICO configuration program

Related products

- WorldKey
- WorldKey Lite
- Meisaku Kit
- Easy Pay Unit
- General Purpose Unit
- Capsense General Purpose Unit

EuroKey NEXT MDB/EXE

The master key of the cashless payment industry

EuroKey Next is the new cashless device that can manage EuroKey system keys and media based on the Mifare® technological platform. The simplicity and reliability ensured by the EuroKey range comply with the high safety standards of the Worldkey range in order to meet users' requirements in an optimal way. EuroKey Next is extremely flexible and can manage both the MDB communication protocol, for automated dispensing applications, and the EXECUTIVE protocol.

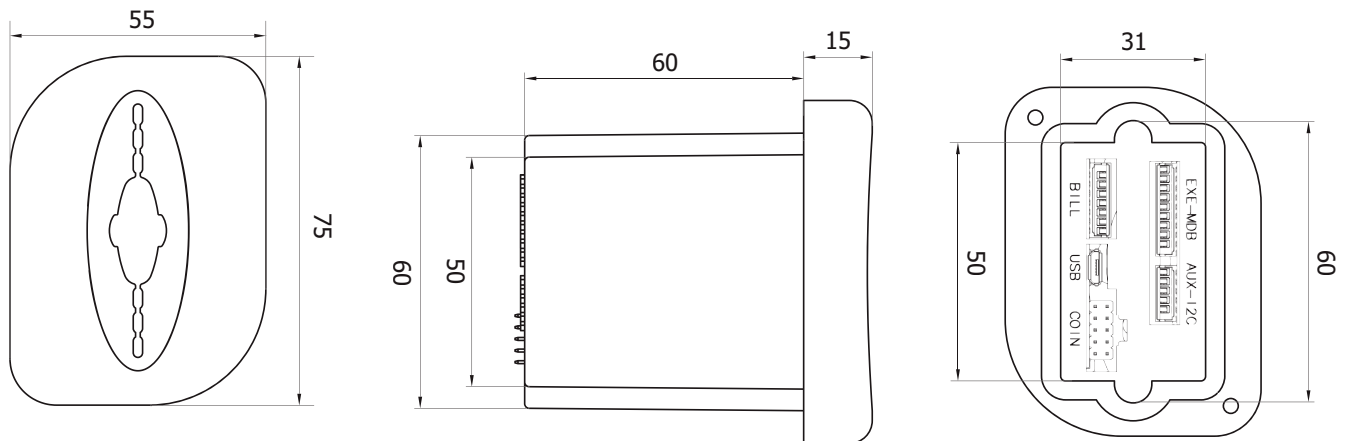
A product evolution that will make your business grow: EuroKey Next allows you to set promotional campaigns and discounts, even based on time slots, to build customer loyalty and increase sales.



Features

- Reader that reads keys/cards/tags upon insertion
- Reader equipped with red light signal with 3 status LEDs and infrared interface to collect audit data.
- Maximum compatibility with EuroKey and WorldKey systems.
- Allows you to manage EuroKey keys and Mifare® media (keys, cards and tags).
- Supported protocols: MDB, EXE.
- Allows you to enable automatic key/card/tag activation upon first insertion.
- Micro USB port for PC connection, Firmware update, and audit data collection.
- Configuration and accounting data management through the Unico software.
- Allows for dual installation: front-panel and back-panel mount by means of the special adjustment plate.

Technical Drawings



Note: Unit of measurement: mm

Functions

- 3-code management (manager, renter, machine)
- Management of maximum value that can be charged to the medium.
- Management of a second MDB address (MDB mode).
- 3 price management modes (EXE mode).
- Direct coin validator and banknote reader management (EXE mode).
- Machine no. that can be edited by the user.
- Differentiated key management.
- Black list management.
- Bonus management.
- Time slots management

Tools

UNICO configuration software

Software suite, which includes programs for audit data collection and management (according to EVA-DTS standard or Windows Excel), operating parameter programming and key/card/tag management.



Portable universal programmer (UHHT)

For direct field-programming through micro USB cable connection.



Programming key



Programming key Clone programming key



Audit Key



Optional accessories

- Portable universal programmer (UHHT)
- RFID keys customisable in the label by quantity
- RFID cards customisable in the graphics by quantity
- RFID tags customisable in the graphics by quantity
- UNICO configuration software
- Complete installation starter kit

Related products

- Easy Pay unit
- Desk Top unit
- General Purpose unit
- General Purpose Capsense unit
- RMS HD electronic coin mechanism
- Banknote readers
- Coin change machines
- Starters
- Control box

Technical specifications - CPU

Dimensions (LxHxD)	55 x 75 x 77 mm
Weight	90 g
Power supply	18-40 Vdc 105mA 18-27 Vac 50/60 Hz 170 mA
Power consumption	3.2 W
Operating temperature	-10° C ÷ +50° C
Humidity (non condensed)	85%
Storage temperature	-10° C ÷ +60° C

Technical Specifications – keys/cards/tags

	EuroKey keys	Mifare® keys/cards/tags
Technology	125 KHz Transponder	13.56 MHz inductive transmission system, ISO 14443 data and energy – Mifare® encrypted

EuroKey NEXT PARALLEL

The master key of the cashless payment systems for electromechanical equipment

EuroKey Next is the cashless device that can manage EuroKey system keys and media based on the Mifare® technological platform. Now also available in the Parallel version. Ideal for all applications in car washes, self-service laundries, tourist and sports facilities, EuroKey Next activates portals, bays, washing and drying machines, public services, timed lighting, and much more.

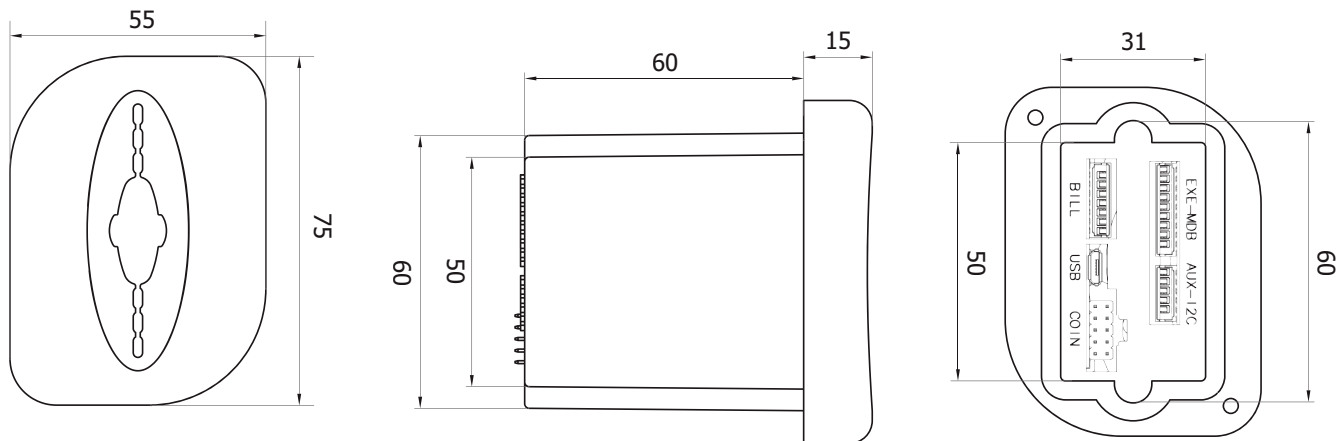
Moreover, EuroKey Next allows you to set promotional campaigns and discounts, even based on time slots, to build customer loyalty and increase sales. Eurokey's simplicity and reliability meet the highest WorldKey safety standards to provide you with the key to your success.



Features

- Reader that reads keys/cards/tags upon insertion
- Reader equipped with red light signal with 3 status LEDs and infrared interface to collect audit data.
- Maximum compatibility with EuroKey and WorldKey systems.
- Allows you to manage EuroKey keys and Mifare® media (keys, cards and tags).
- Manages RM925, KPD, KPM input/output electronic boards and the 4-digit RM924 display.
- Allows you to enable automatic key/card/tag activation upon first insertion.
- Micro USB port for PC connection, firmware update and audit data collection.
- Configuration and accounting data management through the Unico software.
- Allows for dual installation: front-panel and back-panel mount by means of the special adjustment plate.

Technical Drawings



Note: Unit of measurement: mm

Functions

- 3-code management (manager, renter, machine)
- Management of maximum value that can be charged to the medium.
- Direct coin validator and banknote reader management.
- Machine no. that can be edited by the user.
- Differentiated key management.
- Black list management.
- Bonus management.
- Time slot management
- Accounting data management.
- On-field firmware update.

Tools

UNICO configuration software

Software suite, which includes programs for audit data collection and management (according to EVA-DTS standard or Windows Excel), operating parameter programming and key/card/tag management.



Portable universal programmer (UHHT)

For direct field-programming through micro USB cable connection.



Programming key



Programming key Clone programming key



Audit Key



Versions

Compatible with the EuroKey Plus Parallel versions: standard single-price e standard multi-price.

Optional accessories

- Portable universal programmer (UHHT)
- EuroKey keys customisable in the label by quantity
- RFID keys customisable in the label by quantity
- RFID cards customisable in the graphics by quantity
- RFID tags customisable in the graphics by quantity
- UNICO configuration software
- Complete installation starter kit
- Back panel mounting kit

Related products

- Easy Pay unit
- Desk Top unit
- General Purpose unit
- General Purpose Capsense unit
- RM5 HD electronic coin mechanism
- Banknote readers
- Coin change machines
- Wash service start-up
- Control box

Technical specifications - CPU

Dimensions (LxHxD)	55 x 75 x 77 mm
Weight	90 g
Power supply	18-40 Vdc 105mA 18-27 Vac 50/60 Hz 170 mA
Power consumption	3.2 W
Operating temperature	-10° C ÷ +50° C
Humidity (non condensed)	85%
Storage temperature	-10° C ÷ +60° C

Technical Specifications – keys/cards/tags

	EuroKey keys	Mifare® keys/cards/tags
Technology	125 KHz Transponder	13.56 MHz inductive transmission system, ISO 14443 data and energy – Mifare® encrypted

Apollo

The decounter system protecting OCS business

Apollo is the decounter system in radiofrequency capable of literally blocking OCS machines, inhibiting the use of capsules different from those supplied by the operator.

Often users purchase capsules at a lower price in parallel channels (Ebay, Internet, direct marketing) making it difficult for the operator to offer free use machines ensuring the required technical support. When installed on OCS machines, Apollo allows drinks to be dispensed only after recognising the enabled card or the user or according to a preset number of purchases.

Thanks to its construction characteristics and radiofrequency operation, Apollo is extremely easy to install: in fact there is no need to make any cuts or holes in the machine.

The system comprises 2 parts: Apollo Stadio Logico (ASLO), providing the logical functions and the RFID management functions in a single integrated solution and Apollo Stadio di Potenza (ASPO), which ensures the supply and interface of the system with the power electrical components of OCS machines.



Features

- Easy and intuitive operation.
- Transmission technology in radiofrequency.
- Configuration via programming device connected to the PC via USB and Windows software or special card.
- Different types of cards for the operator:
 - Master, which allows automatic access to the Apelle software, without needing to enter the operator code;
 - Setup, allowing the operator to change programming parameters or to reset Apollo;
 - Clone, enabling all data (operator codes and remaining credit) to be transferred from one machine to another;
 - Reader, to export all audit data in the EVA-DTS standard;
 - Operator and disposable, to enable the machine to dispense a preset number of purchases.
- The antibump function avoids unwanted purchases.
- Audio prompts guide the user during configuration.
- LED (optional) activated when the product is in reserve.
- It offers different card customisation options, so that every type of need is met.

Functions

Users have 2 types of cards available: **pre-paid**, where the machine decreases a credit preloaded onto the support, or **post-paid** where the machine writes the price on the support, which needs to be paid later (this type of card can be programmed with an initial debt and a maximum expenditure amount).

Alternatively, the machine can be programmed so that it dispenses a maximum number of purchases set by means of an **operator card** or a **disposable card**.



User cards

Tools

USB programmer

Device to configure Apollo in radiofrequency. It can be connected to PC via USB with software for Windows.



Operator cards

Master, Clone, Setup, Reader, Operator and disposable cards.



Operator cards

Optional accessories

- USB programmer
- Master card
- Clone card
- Setup card
- Reader card
- Operator/Pre-paid/Post-paid cards
- Disposable card

Technical Specifications

Dimensions (LxHxW)	ASLO: 57 x 20 x 32 mm	ASPO: 44 x 32 x 38 mm (excluding connectors)
Weight	ASLO: 40 g	ASPO: 125 g
Power supply	220 Vac	
Power consumption	max 55 W	
Operating temperature	- 20°C ÷ 125°C	
Humidity (non-condensed)	80%	
Storage temperature	- 40°C ÷ 100°C	

Apollo X2

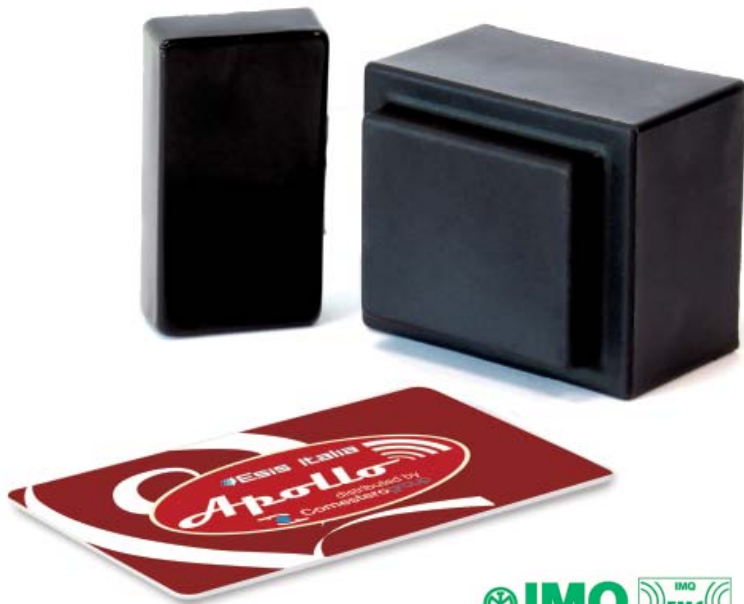
The decounter system protecting OCS multigroup business

Apollo X2 is the decounter system in radiofrequency capable of literally blocking two-group OCS machines, inhibiting the use of capsules different from those supplied by the operator.

Often users purchase capsules at a lower price in parallel channels (Ebay, Internet, direct marketing) making it difficult for the operator to offer free use machines ensuring the required technical support. When installed on double group OCS machines, Apollo X2 allows drinks to be dispensed only after recognising the enabled card or the user or according to a preset number of purchases.

Thanks to its design characteristics and radiofrequency operation, Apollo X2 is extremely easy to install: in fact there is no need to make any cuts or holes in the machine.

The system comprises 2 parts: Apollo Stadio Logico (ASLO X2), providing the control functions and the RFID management functions in a single integrated solution and Apollo Stadio di Potenza (ASPO X2), which ensures the supply and interface of the system with the power electrical components of OCS machines. The latter allows the two machine groups to be controlled separately and to share the remaining credit at the same time.



Features

- Easy and intuitive operation.
- Transmission technology in radiofrequency.
- Configuration via programming device connected to the PC via USB and Windows software or special card.
- Different types of cards for the operator:
 - Master, which allows automatic access to the Apelle software, without needing to enter the operator code;
 - Setup, allowing the operator to change programming parameters or to reset Apollo;
 - I/O setup, which enables the configuration of the operating logic of the two groups;
 - Clone, enabling all data (operator codes and remaining credit) to be transferred from one machine to another;
 - Reader, to export all audit data in the EVA-DTS standard;
 - Operator and disposable, to enable the machine to dispense a preset number of purchases.
- The antibump function avoids unwanted purchases.
- Audio prompts guide the user during configuration.
- LED (optional) activated when the product is in reserve.
- It offers different card customisation options, so that every type of need is met.

Functions

Users have 2 types of cards available: **pre-paid**, where the machine decreases the purchases preloaded onto the support, or **post-paid** where the machine writes the number of purchases made on the support, which need to be paid later (this type of card can be programmed with an initial number of purchases and a maximum expenditure amount).

Alternatively, the machine can be programmed so that it dispenses a maximum number of purchases set by means of an **operator card** or a **disposable card**.



User cards

Tools

USB programmer

Device to configure Apollo X2 in radio-frequency. It can be connected to PC via USB with software for Windows.



Operator cards

Master, Clone, Setup, Reader, Operator and disposable.



Operator cards

Optional accessories

- USB programmer
- Master card
- Clone card
- Setup card
- I/O Setup card
- Reader card
- Operator/Pre-paid/Post-paid cards
- Disposable card

Technical Specifications

Dimensions (LxHxW)	ASLO: 57 x 20 x 32 mm	ASPO: 57 x 50 x 40 mm (excluding connectors)
Weight	ASLO: 40 g	ASPO: 250 g
Power supply	220 Vac	
Power consumption	max 60 W	
Operating temperature	- 20°C ÷ 125°C	
Humidity (non-condensed)	80%	
Storage temperature	- 40°C ÷ 100°C	

Apollo XL

The decoupler for bars and Ho.Re.Ca. that guarantees exclusive coffee sales

Apollo XL is a system that literally allows bar and Ho.Re.Ca. machines to be blocked.

It prevents the use of different types of coffee from those supplied by the operator/coffee roaster.

Apollo XL is a modular system and comprises of a CPU, an I/O interface board with the machine and an RFID module. The latter enables the initial configuration of the machine via Setup Card and allows drinks to be dispensed only after purchasing a credit in the machine, by means of enabled RFID cards (Operator card and disposable card).

Apollo XL is extremely versatile thanks to the possibility of unlimited expansion, both with regard to the models of machines that can be managed and additional functions, offered by the optional modules (telemetry, service display, audit expander).

Features

- Easy and intuitive operation.
- Transmission technology in radiofrequency.
- Configuration via programming device connected to the PC via USB and Windows software or special card.
- Telemetry module. Allows the machine status to be shown, inspection of recharges and purchases, recharging or blocking the machine by means of a dedicated web page, real time alerts via e-mail, web control panel and optionally via SMS if the machine is finishing the available drinks.
- Proprietary technology ALWAYS OFF. Reduces the SIM management costs by over 50%.
- Service display. Allows to view the credit available on the machine and provides a visual alarm if the low supply level set for the machine is reached.
- Audit expander board. Offers detailed statistics on drinks.



Functions

The machine can be programmed so that it dispenses a maximum number of purchases set by means of an **operator card** or a **disposable card**.

Tools

USB programmer

Device to configure Apollo XL in radio-frequency. It can be connected to PC via USB with software for Windows.



Operator cards

Master, Setup, Operator and disposable.



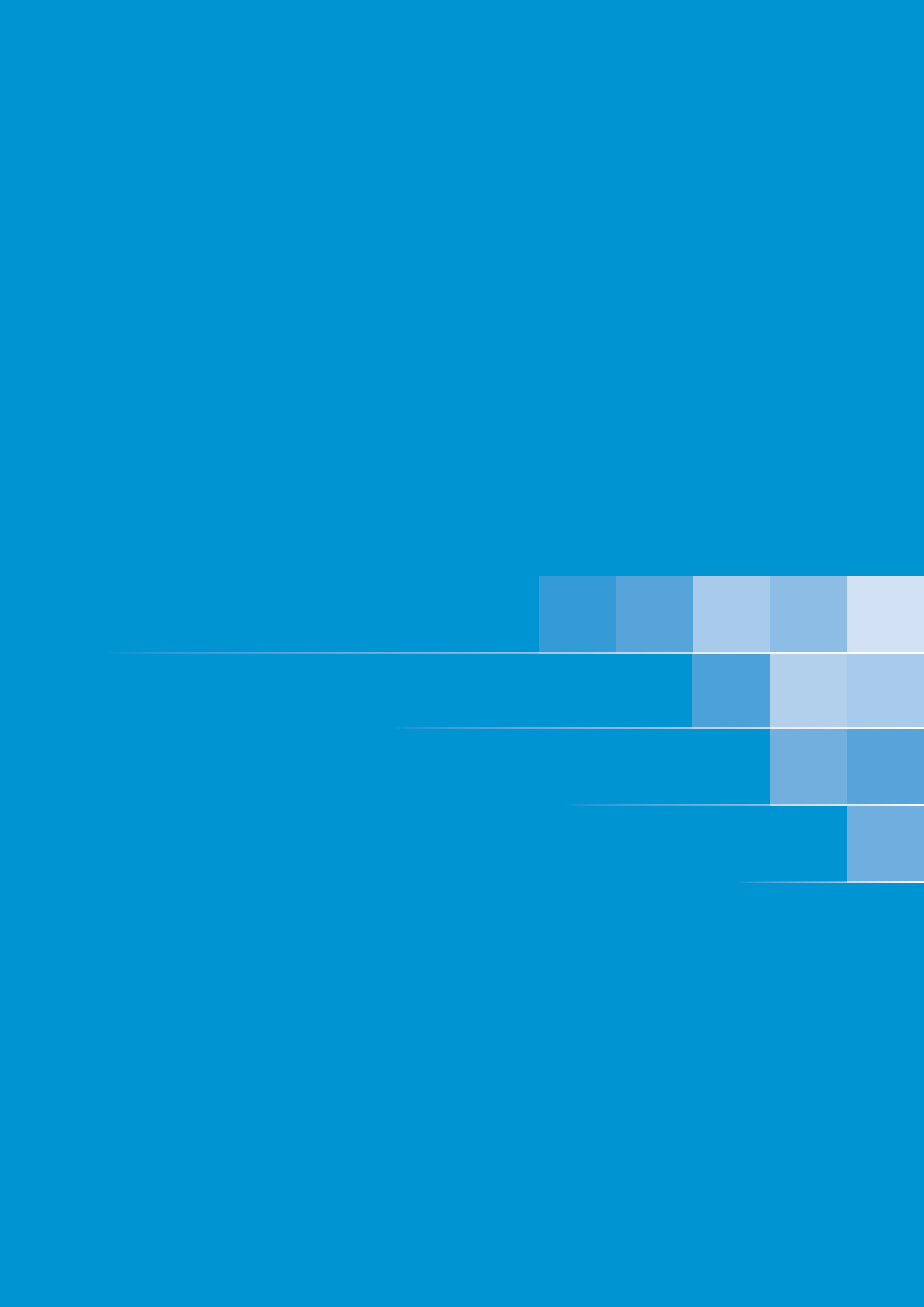
Operator cards

Optional accessories

- USB programmer
- Master card
- Setup card
- Operator card
- Disposable card
- Telemetry module
- Service display
- Audit expander board

Technical Specifications

Dimensions (LxHxW)	CPU: 53 x 78 x 26 mm	RFID module: 57 x 20 x 32 mm	I/O board: (excluding connectors) 55 x 102 x 32 mm
Weight	CPU: 55 g	RFID module: 40 g	I/O board: 70 g
Power supply	+5 ÷ +24 Vac		
Power consumption	max 100 W		
Operating temperature	- 20°C ÷ 125°C		
Humidity (non-condensed)	80%		
Storage temperature	- 40°C ÷ 100°C		



Hoppers

Single and multi coin payout units featuring high dispensing speed and coin capacity. Their special design features protect them against any accidental jam and allow for a wide range of installation options, to meet even the most demanding requirements.

- Smart Hopper
- Flow
- Evolution
- Cube MKII

Smart Hopper

The new hopper that allows the management of up to 11 different coins

Multi coin payout unit that can accept any type of coin validated by the coin validator.

Smart Hopper can be used with any machine and eliminates the need for multiple hoppers and sorters, thereby reducing internal handling costs. It can also set the desired float level before collection so all excess coins travel straight to the cash box.

Hopper pays out higher than conventional hoppers so customers no longer have to reach down to retrieve coins.

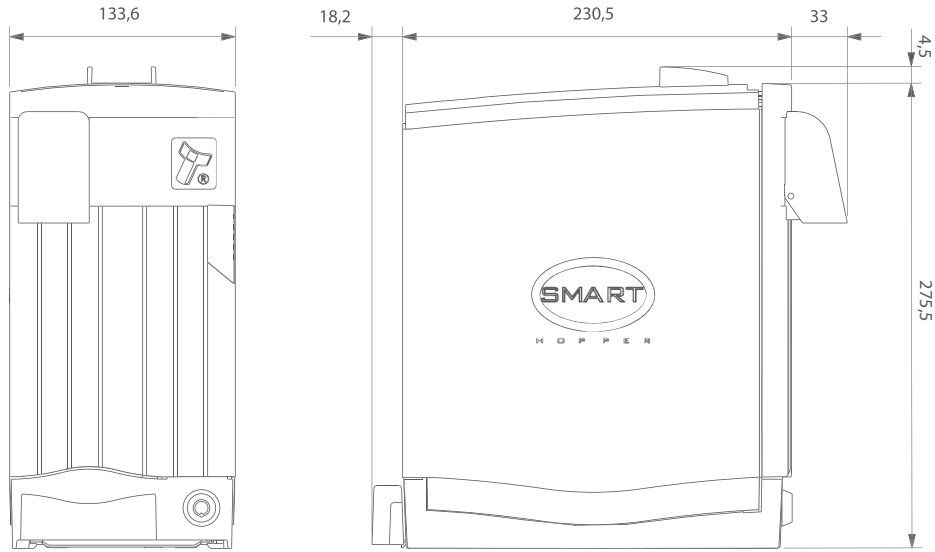
The simplified design and greater security make it the most practical choice for any requirement.



Features

- High speed payout (12 coins per second).
- Manages 11 different types of coins.
- Eliminates queues due to slow coin payout.
- Possibility of fastening the hopper to the machine.
- Collects, discriminates and stores coins for future payout.
- Best deal, optimised payout selection.
- Eliminates the need for coin sorters.
- USB on-board.
- Output anti-fraud sensor.
- Large storage capacity (1,500 1€ coins).

Technical Schematics



Note: Unit of measure: mm

Functions

- Automatic float level adjustment.
- It can control a coin validator by means of the ccTalk cable.
- It can control a banknote reader thanks to the standard eSSP port.
- Automatic emptying.
- Status/error signals with front LEDs.
- Innovative mechanics.

Related products

- Electronic coin validators
- Coin counters
- Smart Easy change machine
- Rock change machine
- Swing change machine
- Nexus PRO change machine
- Smart Jolly change machine

Technical Specifications

Dimensions (LxHxW)	134 x 280 x 282 mm
Weight	2.4 kg empty; 13.7 kg full
Power supply	24V
Payout speed	12 coins per second
Coins accepted	Ø 18 ÷ 28.5 mm – thickness 1.65 - 3.2 mm
Protocol	eSSP

Coin Capacity

	1.00 €
Capacity	1,500

Flow

Innovative through hole hopper

New through hole hopper, suitable for various uses such as gaming, vending, parking and change machines. The innovative electronics and high resistance plastic materials ensure durability over time. Available in two versions: standard parallel and ccTalk.

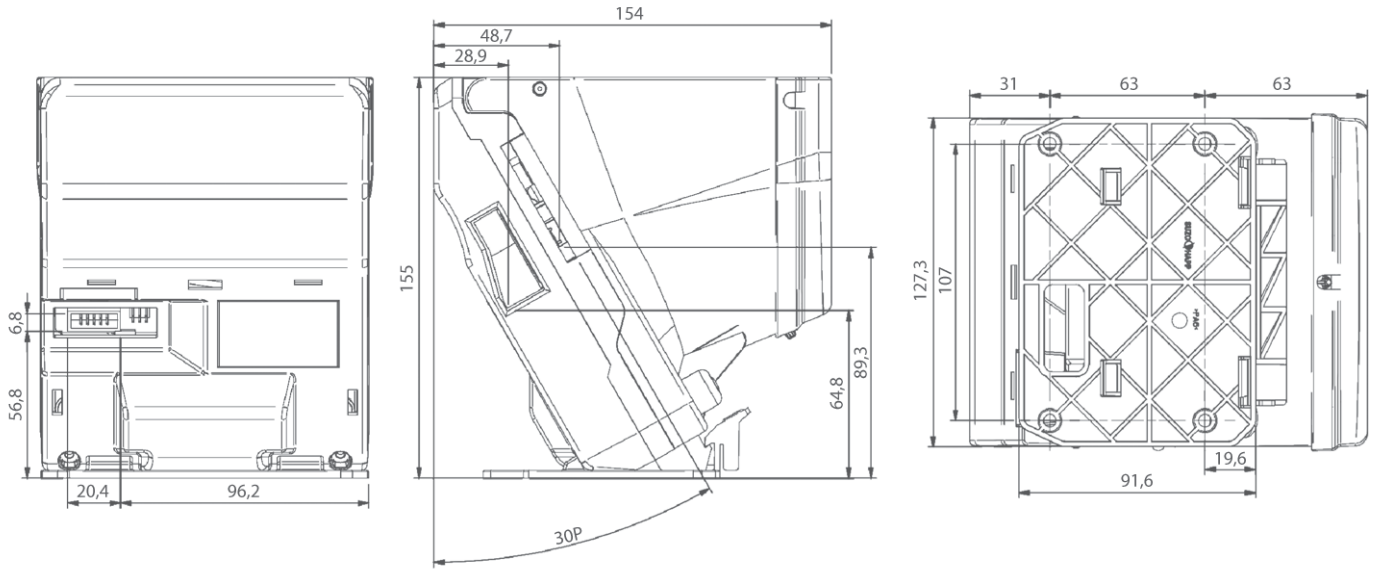


Features

- Compatible with the other hoppers already on the market.
- High payout speed of about 7 coins per second.
- Available with three different coin bowls.
- Reliable through hole coin disk design - no external wires run for level sensors.
- Integrated fall tube for simple dual hopper cabinet construction.
- ccTalk version available in encrypted and non-encrypted mode.
- Parallel interface and 10 pin connector.
- 12-24V power supply.
- Low level sensor and anti-jam feature.



Technical Schematics



Note: Unit of measure: mm

Optional accessories

- 8 coin payout discs for combinations from 16 to 32 mm with thickness from 1.6 to 3.2 mm

Related products

- Electronic coin validators
- Coin/Banknote change machines
- Coin counters
- Cinco coin sorter
- NV11 banknote reader



Reject output



Safety clip

Technical Specifications

Dimensions (LxHxW)	127 x 155 x 154 mm (with small coin bowl)	127 x 155 x 189 mm (with medium coin bowl)	127 x 155 x 228 mm (with large coin bowl)
Weight	757 g		
Power supply	12 ÷ 24 Vdc (min. 11 – max 26)		
Current consumption	30 mA in stand by 2.2 A (typical); 5 A (maximum) at motor start-up 0.5 A @ 12 Volt (typical); 0.6 A @ 24 Volt (typical); 0.9 A (maximum) during dispensing		
Operating temperature	0°C ÷ 50°C - Relative humidity: 10% ÷ 75%		
Coins accepted	Ø 16 ÷ 32 mm – thickness 1.6 - 3.2 mm		
Payout speed	7 coins per second		
Connection	10 pole connector (2x5 pitch 2.5mm) such as Molex series 8624 or similar		

Coin Capacity

	1.00 €	1.00 € (with medium extension)	1.00 € (with large extension)
Capacity	375	546	747

Evolution

High dispensing speed and reliability come together in a New Generation of hoppers

Based on a belt drive, Evolution is the result of an entirely new design, which represents a decisive improvement, in terms of both performance and ease of maintenance. The combination of extremely wear-resistant plastic resins with state of the art electronics has produced a device with low purchase and management costs.

This type of hopper can be used for 95% of coins and tokens worldwide, without needing adjustments.

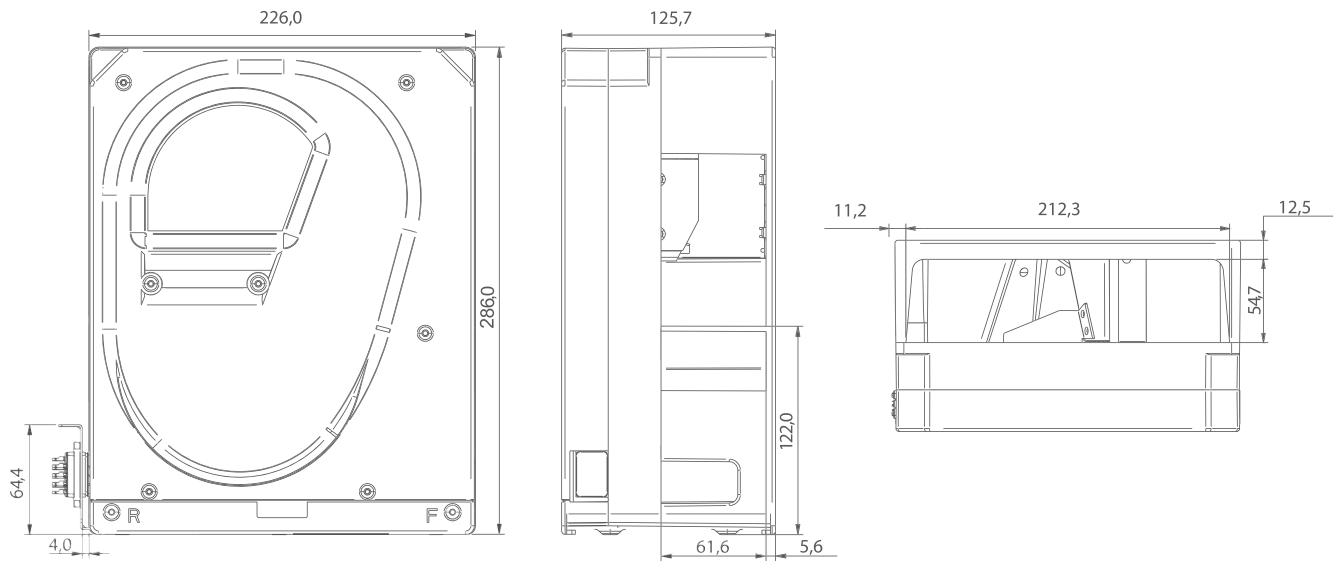
Evolution is completely interchangeable with the other models available on the market.



Features

- Board easily accessible from outside and extractible for facilitating maintenance.
- DC motor, driven by an electronic actuator, which reduces friction and noise.
- Equipped with a built-in agitator to prevent coin jams, as well as with additional electronic anti-jam electronics.
- The standard version can be easily transformed into the adjoining version by simply removing the cover, which is fastened by two screws, and moving the connector to the new position.
- Completely compatible with Universal Evolution hoppers.
- Interfaces: standard, parallel or ccTalk serial. The latter guarantees excellent security and diagnostics management.

Technical Schematics



Note: Unit of measure: mm

Functions

- DC motor.
- Double installation option: adjoining and standard.
- Minimal maintenance.
- Reduced noise.
- Anti-jam electronics.

Related products

- Electronic coin validators
- Coin/banknote/ticket change machines
- Coin counters
- Hub board
- Wide range of tokens



Transformation from standard to adjoining version



Board easily extractible from the outside

Technical Specifications

Dimensions (LxHxW)	126 x 286 x 226 mm
Weight	2,500 g
Power supply	20 ÷ 24 Vdc ± 10 %
Current consumption	40 mA in stand-by – 2.5A during dispensing
Power consumption	0.8 W in stand-by - 50 W during dispensing
Operating temperature	0°C ÷ 60°C – relative humidity 5 ÷ 95%
Coins accepted	Ø 16 ÷ 30 mm – thickness 1.25 - 3.5 mm
Payout speed	4 - 5 coins per second

Coin Capacity

	1.00 €
Capacity	1,500

Cube MKII

The ideal coin or token dispensing unit for any machine

Provides for high payout speed dispensing (up to 400 coins per minute) and a standard capacity of 350 coins (Ø 24 mm). Extensions are available to increase the capacity, with an average of 400 coins per extension. The square base allows for four different installation orientations, based on the customer's installation requirements.

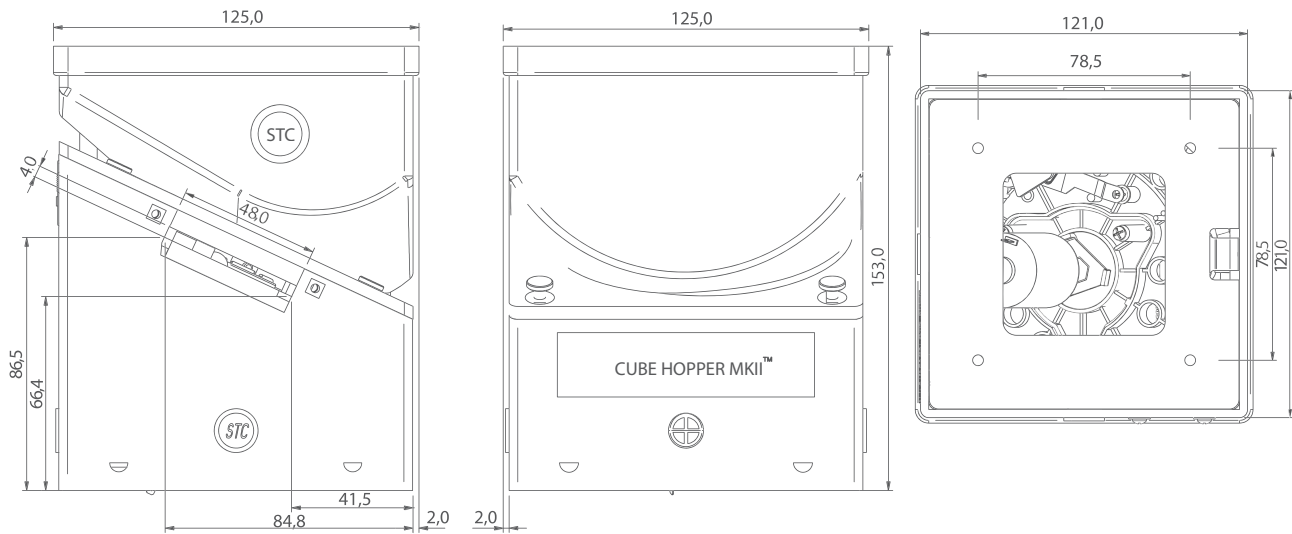
Conversion to different currencies is fast and easy. A sophisticated electronic control board, together with payout sensors, protects it against any possible accidental jams (the sensor must be kept clean and at a safe distance from any light source). Available also in the Dual Hopper version, which can payout 2 different types of coins.



Features

- Accepts coins of diameters between 18 and 31 mm and thicknesses between 1.5 and 3.2 mm (all Euro coins other than 1c).
- Available in the ccTalk or parallel versions, with universal disc for 50c - 1€ - 2€ Euro coins.
- Also available in the Dual Hopper version, equipped with an additional sensor for measuring the coin diameter, as well as 5 special ccTalk controls for mixed coin payout.
- Small, compact and easy to install, thanks to its practical installation kit (included).
- "Sun & Planet" gearbox, which allows for optimal operation with minimal consumption (from 350 mA to 850 mA with a peak of 2 A at 24 Vdc).
- The "Sun & Planet" gearbox increases the coin capacity, to contain and count more than 1,200 coins with a 24 mm diameter with two extensions (max. 2 extensions).
- Auto-reverse system to protect against accidental jams.
- A second payout sensor is available as an option.
- Two connection options: 10-pole in-line connector and 5x2 transition connector; a chain of peripherals (daisy connection) can be obtained using a ribbon cable.

Technical Schematics



Note: Unit of measure: mm

Optional accessories

- CBH1: board for connecting the hopper to ccTalk gaming machines with a 10 pole connector (5x2)
- Extension for increasing the coin capacity vertically
- Extension for increasing the coin capacity horizontally
- Hopper protection cover
- AGCAVOHOPPER: cable for connecting the hopper to machines that use the ccTalk protocol

Related products

- Electronic coin validators
- Coin sorters
- Hub board
- Slot machine accessories
- Coin counters
- Wide range of tokens

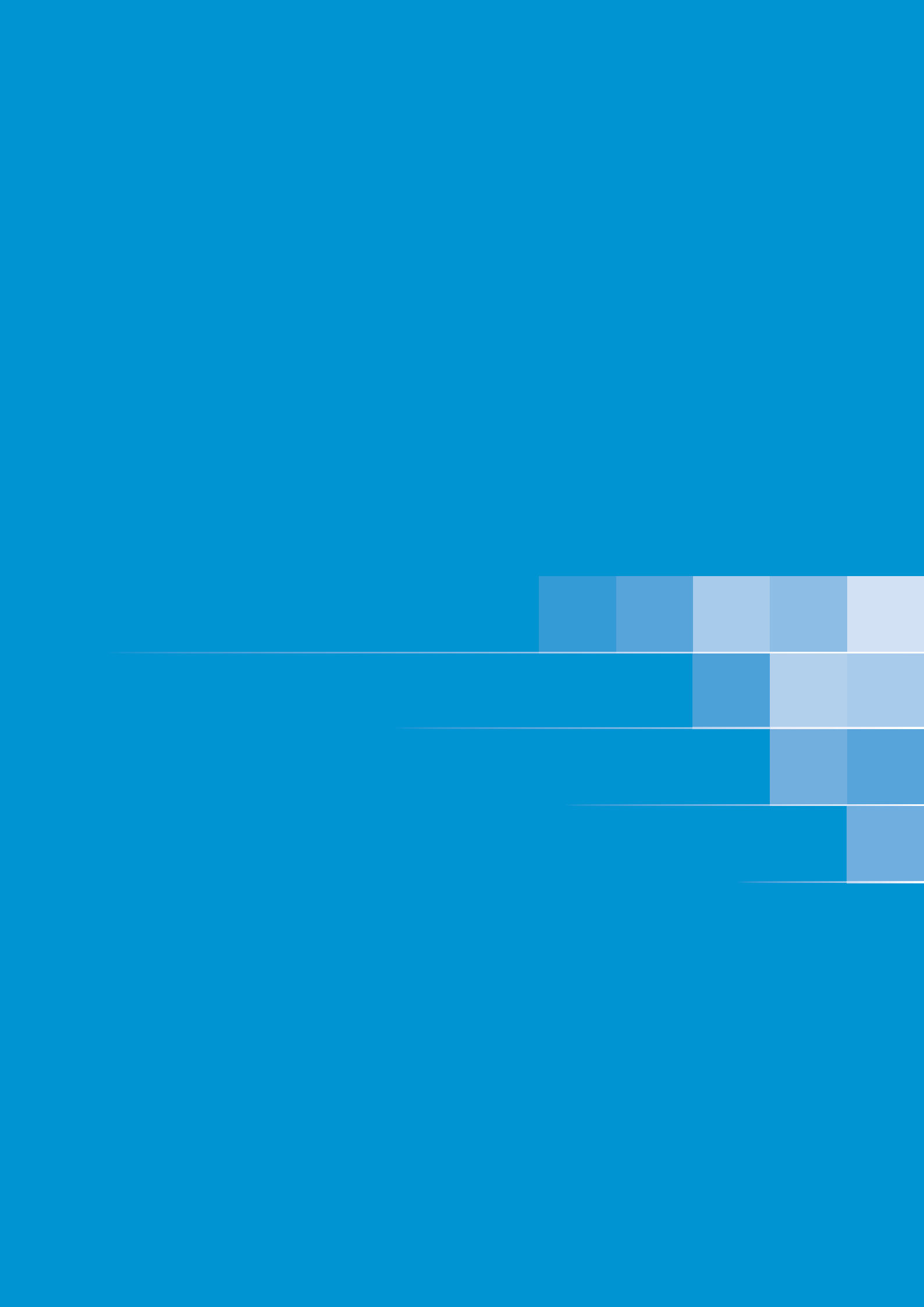


Technical Specifications

Dimensions (LxHxW)	125 x 153 x 125 mm
Weight	780 g
Power supply	12 ÷ 24 Vdc ± 10%
Current consumption	30 mA in stand-by; max 3.3 A at 24 Vdc limited during dispensing
Power consumption	1 W max in stand-by - 80 W during dispensing
Operating temperature	0°C ÷ 50°C – humidity 20% ÷ 75%
Coins accepted	Ø 18 ÷ 31 mm – thickness 1.5 - 3.2 mm
Payout speed	±7 coins per second
Connection	In-line 10 pole connector - Type: molex series 6471

Coin Capacity

	1.00 €
Capacity	350



Coin/banknote/ticket change machines

A wide range of equipment to satisfy any money changing requirement: each model ensures excellent security and a dispensing speed, which is unmatched on the market.

Some of the models are specifically designed for outdoor environments.

They are all characterised by extreme attention to aesthetic detail.

Some can even have customised graphics to fit perfectly in their installation environments.

- CashIO
- Rock
- Swing
- Break
- Nexus PRO
- Jolly PRO
- Twin Jolly PRO
- Easy PRO
- Dual Coin PRO
- Smart Jolly
- Smart Easy
- Changeuro SimplyCoin
- Changeuro MultiCoin
- SimplyCoin
- Autocoin Advance
- Autocoin Plus
- SimplyCoin Air

CashIO

The most commonly used payment terminal in casinos all over the world

CashIO® represents a guarantee of security and reliability for managing VLT halls where VLT and AWP are used together. It completely independently performs all winnings and ticket payouts and various types of card management operations and is compatible with all gaming platforms.

CashIO® offers numerous advantages: the hall staff can be reduced, hence cutting management costs, it offers a fast and impeccable winnings change service, hence preventing long queues at the cash desks for players and reduces the circulation of cash, increasing security in the hall.



Features

- PC architecture.
- Construction design that makes CashIO® similar to an actual safe.
- 5-point lock and option to anchor to the ground.
- Access to the protected configuration menu: requires the insertion of a card with privileges and an access password.
- Wide 15" touch screen.
- Indicator lights.
- Banknote dispenser with drawers.



Functions

- Winnings payout in banknotes. All the amounts below the digit not dispensed are paid out in coins.
- Bar code ticket validation and payout.
- Bill breaking.
- Management of different types of cards (RFID, magstripe or smart cards).
- Recording of all the transactions performed.

Installed peripherals

- Banknote and ticket reader
- 4 multicoins
- Banknote dispenser with drawers
- Card reader
- Thermal printer

Related products

- Coin/banknote counters



Touch screen



Banknote and ticket entries

Technical Specifications

Dimensions (LxHxW) <i>With tower light indicator included</i>	425 x 1,830 x 600 mm
Weight	180 kg
Power supply	230 V, 50 Hz

Coin Capacity

	1.00 €
4 hoppers	2,000

Banknote Capacity

Up to 7,500 banknotes (2,500 banknotes per drawer)

Rock

The new winnings cash-in machine solid as a rock

ROCK is the innovative winnings cash-in machine able to offer high level performance in any situation.

Thanks to ROCK the player can quickly change banknotes into coins for playing and can change the coins won into banknotes in a very short time through the practical frontal swinging door which allows for the introduction of any type of coin.

With its cutting-edge technology, ROCK is the ideal solution to problems connected to machine management and maintenance: the refill key allows, among other things, to automatically recharge the machine and view the cash accounting without opening the money access door; also the practical design allows to carry out maintenance operations with absolute ease.

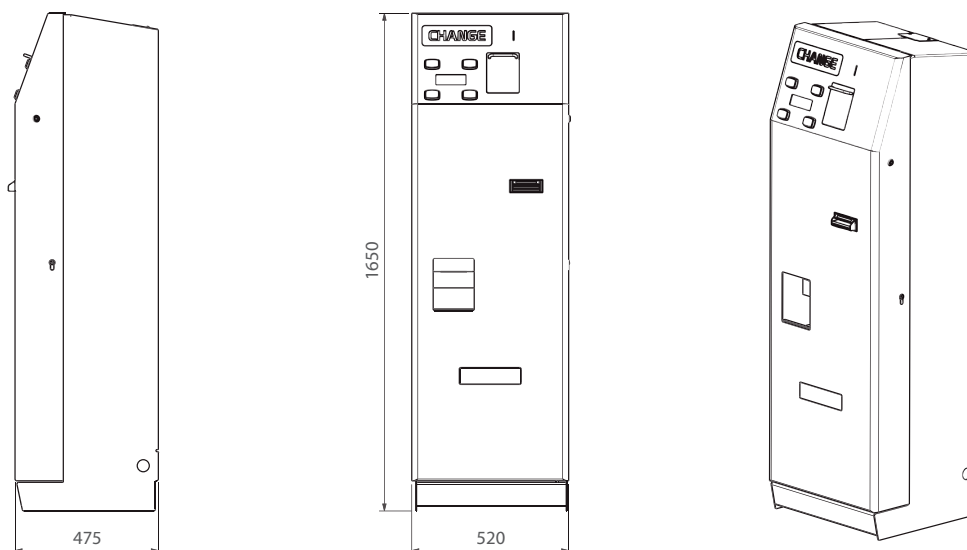
Thanks to the armoured drawer, the safety locks equipped with 12 snag points and the high security side lock, ROCK resists any break-in attempt.



Features

- High validation and counting speed: 4 coins per second.
- Extraordinary cash capacity: 6.000 coins and 500 + 70 banknotes.
- Automatic and manual recharge of multicoin hoppers and automatic recharge of banknote recycler.
- Automatic “overflow” detection system.
- Frontal swinging door unlock system, through introduction of an enabled coin in the appropriate lit slot.
- Simple and intuitive user interface made up of a handy graphic LCD display and 4 practical selection buttons, sensitive to the context.
- Advanced 32-bit CPU with removable SD-Card for exporting accounting data and importing configuration parameters.
- External management menu, accessible with refill key. This allows several functions to be carried out, including: automatic machine recharge, controlled banknote recycler recharge, display of partial and total accounting, display of each coin and banknote denomination available for dispensing.
- Internal programming menu, protected by safety key and accessible through configuration button.
- High safety performance thanks to the ccTalk interfaced peripherals, the newly conceived cabinet, the powered locking mechanisms and the high safety side lock.
- Rock is provided with a UPS battery back-up to ensure the completion and registration of any ongoing operation in the event of accidental power outage.

Technical Drawings



Note: Unit of measurement: mm

Functions

Two-way changing and mixed change

From banknotes to coins and from coins to banknotes in just a few seconds, thanks to the practical loading drawer and the high validation and counting speed (4 coins per second). Management of mixed change of only banknotes, in a combination of coins and notes.

Automatic reset of levels

While recharging, it is possible to set 2 working levels, one for banknotes and one for coins. Once these levels have been exceeded, the excess money will be emptied into the cash box; if the limit has not been reached, the insertion of more money will be requested automatically until it is reached.

Emptying the hoppers

The operation of emptying the hoppers is divided into different stages. In this way it is possible to extract the cashbox after each operation to avoid the accumulation of a large quantity of coins and simplifying the extraction of the cashbox.

Recharge and change autonomy

The banknote recycler and the multi-coin hoppers are recharged manually using the relative recharge menus and automatically during normal machine operation thus reducing the number of manager interventions. The banknote recycler controlled charge function allows exploiting the value of recyclable banknotes.

Simple maintenance

Practical design equipped with a single access zone. 2 handy extractable shelves and the new anchor points simplify the extraction of peripherals in case of maintenance.

Installed peripheral devices

Version 1:

- RM5 HD coin mechanism
- Smart Payout banknote recycler
- 2 Smart Hoppers with extension
- Coin Hopper

Version 2:

- RM5 HD coin mechanism
- NV200 note reader
- 2 Smart Hoppers with extension
- Puloon note dispenser with two drawers
- Coin Hopper

Optional accessories

- Coin/token collection cups

Related products

- Coin/banknote counters



Handy swinging drawer for introduction of coins and refill key for management of new functions.

Technical Specifications

Dimensions (BxHxD)	520 x 1.650 x 475 mm
Weight	145 Kg
Power supply	230 Vac
Power consumption	120 VA
Operating temperature	5°C ÷ 50°C

Coin Capacity

	1,00 €
2 Smart hoppers with extension	6.000
Cash box	3.000

Banknote Capacity

Smart Payout	70 (in the recycler) + 500 (in the cashbox)
NV200	500 (in the cashbox)
Puloon note dispenser with two drawers	1,000 + 1,000

Swing

Quality performance in a small space

Swing is the new compact winnings cash-in machine with noteworthy performance.

Suitable for any type of environment thanks to its compact size, Swing has no rivals as far as reliability and security are concerned. With its cutting-edge technology, Swing is the ideal solution for any type of need: in a small space it performs all the normal functions of a winnings cash-in machine, ensuring the manager easy management and maintenance. Equipped with the refill key, it allows to automatically recharge the machine, to view the cash accounting and to disable banknote dispensing, when needed, without opening the money access door.

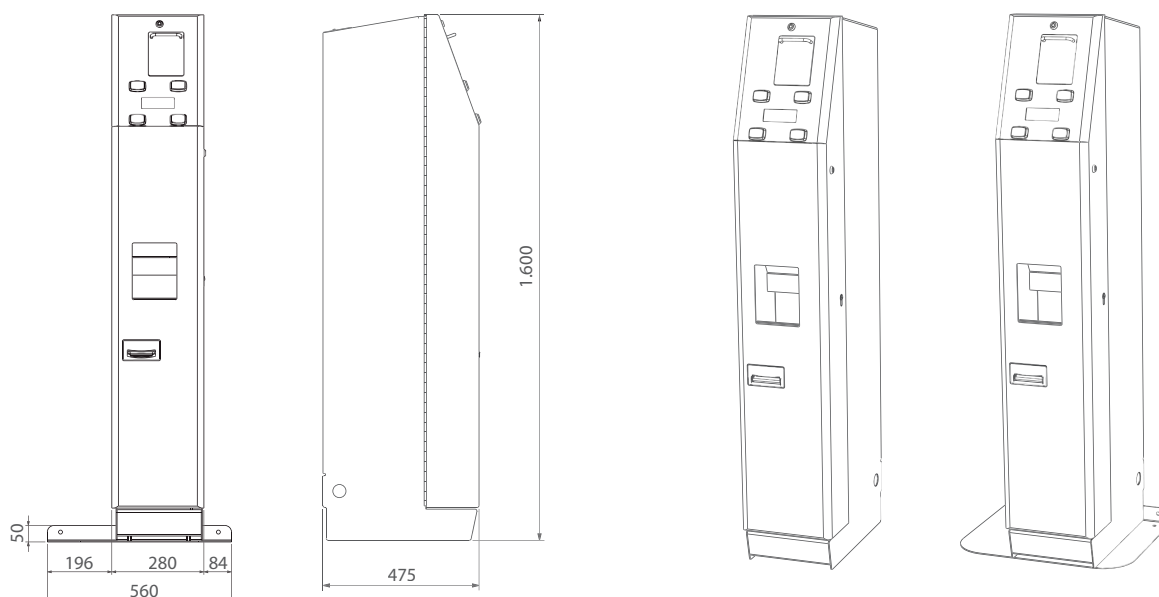
Swing is also safe against break-in or tampering attempts: the newly conceived cabinet, the powered locking mechanisms and the high-security side lock make it strong and sturdy in any context.



Features

- High validation and counting speed: 4 coins per second.
- Cash capacity: approximately 3,000 coins and 30 + 300 banknotes (with NV11 recycler), 70 + 500 (with Smart Payout recycler).
- Automatic "overflow" detection system.
- Simple and intuitive user interface made up of a handy graphic LCD display and 4 practical selection buttons, sensitive to the context.
- Frontal swinging door unlock system with a lock.
- Advanced 32-bit CPU with removable SD-card for exporting accounting data.
- External management menu, accessible with refill key. This allows several functions to be carried out, including: automatic machine recharge, controlled banknote recycler recharge, display of partial and total accounting, display of each coin and banknote denomination available for dispensing.
- Internal programming menu, protected by safety key and accessible through configuration button.
- UPS unit, with two back-up batteries, to terminate operations in progress on the winnings cash-in machine and to record them even without electric current.
- High safety performance thanks to the ccTalk interfaced peripherals, the newly conceived cabinet, the powered locking mechanisms and the high-security side lock.
- Provided with anti-tipping bracket.

Technical Schematics



Note: Unit of measure: mm

Functions

Two-way changing and mixed change

From banknotes to coins and from coins to banknotes in just a few seconds, thanks to the practical loading drawer and the high validation and counting speed. It is also possible to manage mixed change of only banknotes.

Automatic reset of levels

While recharging, it is possible to set 2 working levels, one for banknotes and one for coins. Once these levels have been exceeded, the excess money will be emptied into the cash box; if the limit has not been reached, the insertion of more money will be requested automatically until it is reached.

Simplified emptying of the Smart Hopper

The Smart Hopper can be emptied by using the machine's configuration menu. During the operation, the money in the hopper is emptied completely into the cash box.

Recharge and change autonomy

The banknote recycler and the multi-coin hopper are recharged manually using the relative recharge menus and automatically during normal machine operation thus reducing the number of manager interventions. The banknote recycler

controlled charge function allows exploiting the value of recyclable banknotes (version with Smart Payout only).

Simple maintenance

Practical design equipped with a single access zone. The new anchor points simplify the extraction of peripherals in case of maintenance.

Versions

Version 1:

RM5 HD coin validator + SMART HOPPER + NV11 note recycler

Version 2:

RM5 HD coin validator + SMART HOPPER + SMART PAYOUT note recycler

Installed peripheral devices

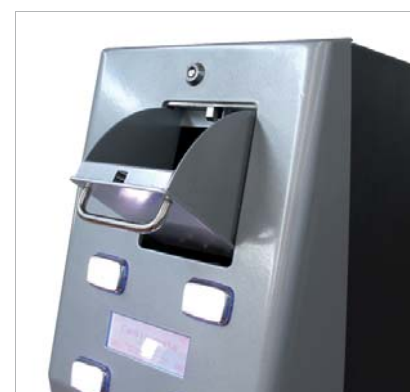
- RM5 HD coin validator
- NV11 banknote recycler or else Smart Payout recycler of multiple banknote denominations.
- Multi-coin Smart Hopper with extension
- Coin Hopper

Optional accessories

- Coin/token collection cups
- Coin collector to manually charge hopper
- Floor or wall fastening bracket

Related products

- Coin/banknote counters



Handy swinging drawer for coins introduction

Technical Specifications

Dimensions (BxHxD)	280 x 1.600 x 475 mm
Weight	97 Kg
Power supply	230 Vac
Power consumption	120 VA
Operating temperature	5°C ÷ 50°C

Coin Capacity

	1,00 €
Smart hopper with extension	3.000
Cash box	3.000

Banknote Capacity

NV11	30 (in the recycler, one value) + 300 (in the cash box)
Smart Payout	70 (in the recycler, mixed values) + 500 (in the cash box)

Break

Greater ease in changing banknotes

Break is the banknote changing specialist.

Break allows the player to change large denomination banknotes into smaller ones in just a few seconds with a simple operation.

In the event that the denomination required for the change is not available in the dispenser, Break will reject the inserted banknote.

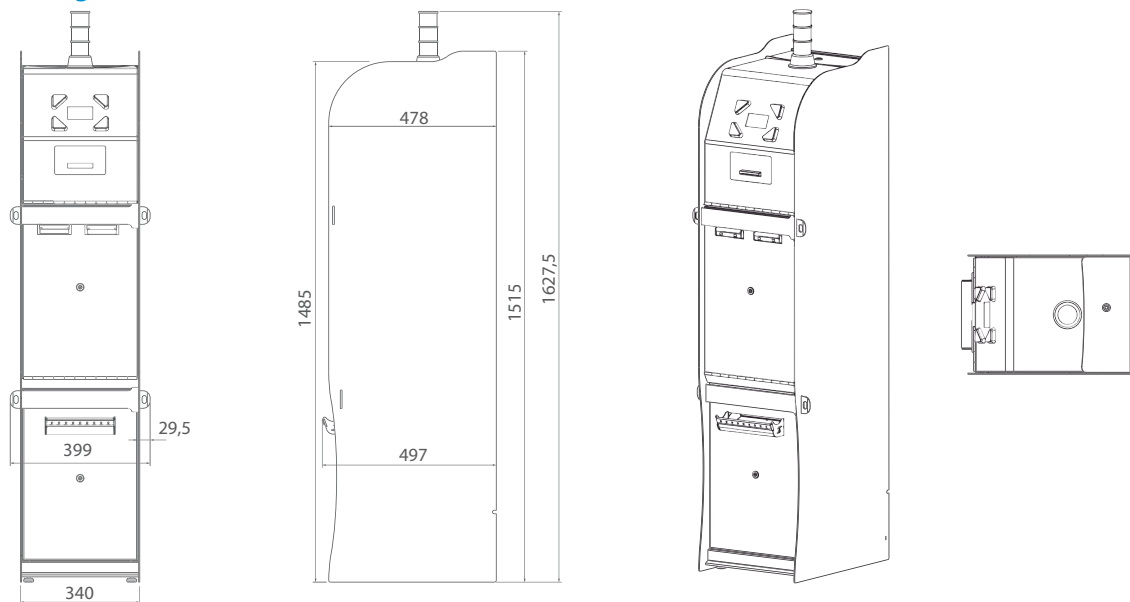
The money collection compartments are protected with 8-point locking systems; in this way, Break resists against any break-in and tampering attempt.



Features

- Remarkable banknote capacity: 1,000 + 1,000 banknotes.
- User-friendly interface consisting of a convenient graphic LCD display and 4 handy backlit pushbuttons that are activated only during configuration operations of the banknote change machine.
- State of the art 32-bit CPU with removable SD-Card for displaying and exporting accounting data and machine configuration parameters.
- Simple programming: performed directly on the machine, either using the display and 4 pushbuttons or the SD-Card to import configuration parameters from other machines.
- The configuration menu can be accessed only from inside the machine through the configuration key located in the upper compartment.
- High security performance thanks to the armoured cabinet, special hardened steel bars (optional) and locks (optional) protecting the cash box and drawers of the banknote dispenser.

Technical Drawings



Note: Unit of measurement: mm

Functions

Banknote change

From large denomination banknotes to smaller ones in just a few seconds, thanks to the NV200 banknote reader, which can manage up to 7 different denominations (from € 5 to € 500), and the Puloon 2-drawer banknote dispenser.

Accounting records and export

The 32-bit CPU and the removable SD-Card allow displaying and exporting the machine accounting data in order to process the data in excel format and save it on the PC.

Installed peripheral devices

- NV200 banknote reader
- Puloon banknote dispenser with two drawers that store 1,000 banknotes each

Optional peripheral devices

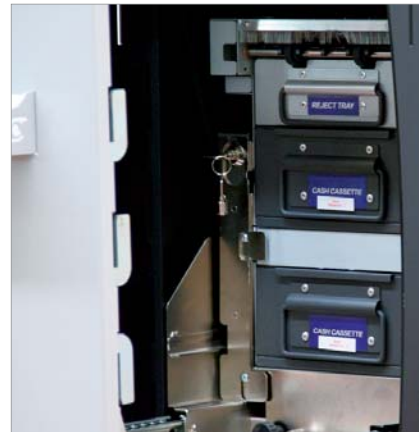
- Additional NV200 banknote reader
- Printer

Optional accessories

- Diagnostic lights (Tower Light)
- Lock protecting the cash box located under the banknote reader
- Lock protecting the 2 drawers of the banknote dispenser
- Floor or wall fastening bracket
- Steel protective bars

Related products

- Counting systems



High security levels against any type of tampering.

Technical specifications

Dimensions (LxHxD)	340 x 1.515 x 478 mm
Weight	110 Kg
Supply voltage	230 Vac - 50 Hz
Current consumption	1 A
Operating temperature	5 ÷ 50 °C

Banknote capacity

Puloon banknote dispenser with two drawers	1,000 + 1,000
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Dispenses banknotes in denominations of € 5, € 10, € 20 e € 50 (2 denominations to be selected among the indicated ones).

Nexus PRO

The innovative high-speed winnings cash-in machine with banknote recycling system

Nexus PRO brings the advanced performance offered by the Nexus winnings cash-in machine to the next level. Machine management is reduced to a minimum, thanks to the peripherals installed onto Nexus PRO: in fact, the innovative multicoin hoppers and the banknote recycler are automatically recharged.

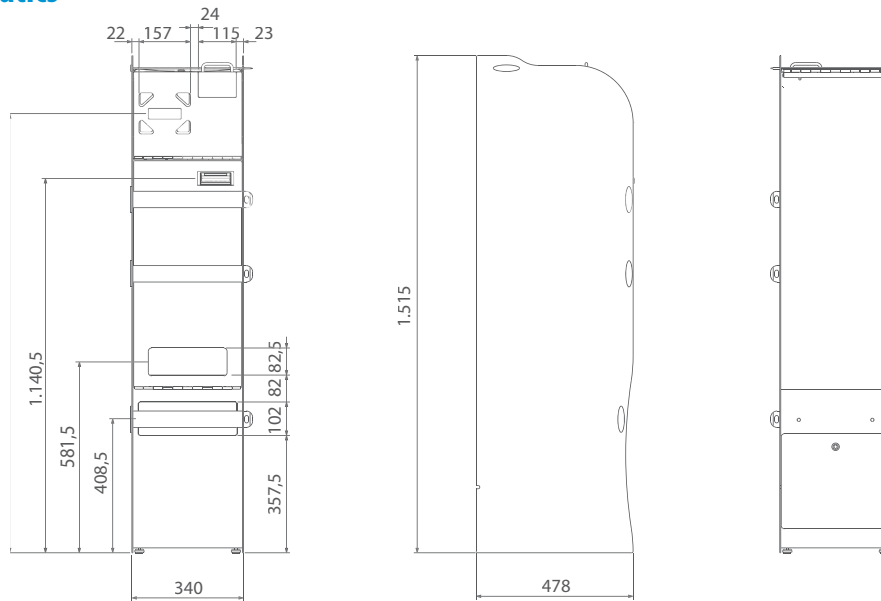
Nexus PRO allows the player to change banknotes into coins for playing and then, with a single gesture, to change their coin winnings into banknotes, at speeds five-times faster than that of the classical Nexus. The practical drawer allows players to introduce all their coins at once, and get the change very quickly thanks to the high-speed automatic validation and counting system. With Nexus PRO it is also possible to manage mixed change: coins and banknotes together.



Features

- Automatic recharge of the multicoin discrimination hoppers and banknote recycler.
- High validation and counting speed (up to 5 coins per second).
- All of the peripherals are interfaced by means of the ccTalk protocol.
- Automatic level setting function: it is possible to set two operating levels, one for banknotes and one for coins. Once the levels have been set it is possible to request the machine to reset these levels.
- Equipped with a 12-point closing system.
- 4-language user interface with large LCD graphic display and 4 selection buttons: for quick and simple exchange operations.
- New 32-bit CPU with removable SD-card support for exporting accounting data.
- The upper portion of the unit is pre-set to house a diagnostics tower light, which is activated whenever at least one of the dispensers is empty or when out of service.
- Nexus PRO is provided with a UPS battery back-up to ensure the completion and registration of any ongoing operation in the event of accidental power outage.

Technical Schematics



Note: Unit of measure: mm

Functions

Automatic management

Nexus PRO can automatically reload the hoppers and the banknote recycler by means of a single device which is automatically supplied with banknotes.

Two-way changing

From banknotes to coins and from coins to banknotes in just a few seconds, thanks to the pivoting drawer and to the high validation and counting speeds (up to 6 coins/second).

Mixed change

As an alternative to bi-directional change, with Nexus PRO it is possible to manage mixed change. From the configuration menu select "mixed change" giving the possibility to change banknotes partly into coins and the rest in banknotes.

Automatic level resetting

From the menu "Reload" it is possible to set 2 operating levels, one for the banknotes and one for the hoppers. Once it has been set it is possible to request the machine to reset these levels.

Accounting data storage and exporting

The same advanced 32-bit CPU with removable SD-card support which is installed on the classic Nexus is the basis for the Nexus PRO design. All the accounting data, as well as the machine events log, including date and time for each operation, are saved on a system file and can be exported by means of the SD-card and processed on a PC in Excel format. By using the SD-Card it is also possible to remove the configuration parameters from the machine and put them on another machine ("Machine Cloning").

Installed peripherals

- RM5 HD coin validator
- Smart Payout banknote recycler
- 2 multicoin Smart Hoppers

Optional accessories

- Bracket for fastening to the floor and wall
- Coin/token collection cups (max height: 120 mm – diameter: 145 mm)
- Steel protective bars

Related products

- Coin/banknote counters



Pivoting drawer for introducing coins

Technical Specifications

Dimensions (LxHxW)	340 x 1,515 x 478 mm
Weight	100 kg
Power supply	230 Vac
Power consumption	120 VA
Operating temperature	0°C ÷ 50°C

Coin Capacity

	1,00 €
2 Smart Hoppers	2.800
Cash box	4.000

Banknote Capacity

Smart Payout	500 + 70
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Jolly PRO

Slim and versatile, now even better performing

Designed to fit into different environments, Jolly PRO is a complete and versatile change machine thanks to its wide display, removable SD-Card and 32-bit CPU. The latter provides functions normally present only on change machines of higher range: exporting accounting data, importing configuration parameters and machine cloning.

All peripherals are integrated by means of the ccTalk communication protocol, which guarantees maximum security against electronic frauds.

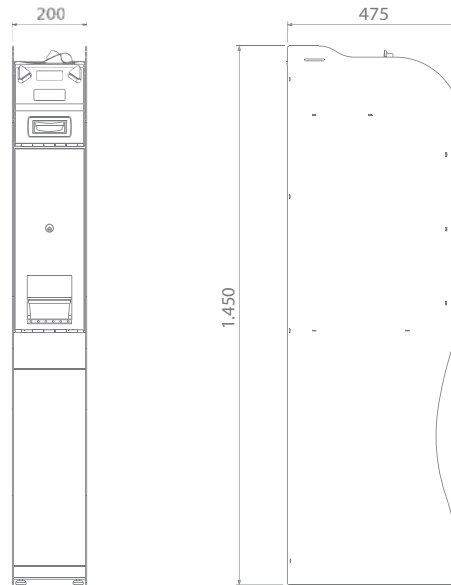
Despite its reduced size, Jolly PRO offers excellent dispensing capacity (3,400 1€ coins), being the ideal solution when space is an issue.



Features

- Connection of peripherals via ccTalk.
- Distribution of coins or tokens.
- Bonus function for tokens.
- Coins/tokens dispensed automatically or manually.
- New 32-bit CPU with SD-card.
- Exporting of accounting data and importing of configuration parameters via SD-card.
- Machine cloning function.
- Technical compartment, containing all the electronics and payment systems, isolated from the cash box compartment.
- The hopper can be recharged externally, without accessing the cash compartment, for greater safety.
- The collection of large amounts of coins and tokens is facilitated by the compartment pre-set for free dispensing or else for collection cups.
- LCD graphic display.
- The structure protects the change machine against liquid spills from above.
- Adjustable feet.
- A ballast can be placed at the base in a separate lockable compartment to ensure greater stability, as well as to prevent the change machine from being stolen.

Technical Schematics



Note: Unit of measure: mm

Tools

Multiconfig

Software to configure the change machine.



Installed peripherals

- 1 Evolution hopper with extension
- NV10 USB banknote reader

Optional peripherals

- RM5 HD coin validator

Optional accessories

- Coin/token collection cups (max height: 120 mm – diameter: 145 mm)
- Reprogrammable locks
- Anti-theft kit
- Steel protective bars

Related products

- Coin/banknote counters
- Wide range of tokens

Technical Specifications

Dimensions (LxHxW)	200 x 1,450 x 475 mm
Weight	55 kg
Power supply	230 Vac – 50 Hz
Power consumption	60 VA (max)
Operating temperature	0°C ÷ 50°C

Coin Capacity

	0,50 €	1,00 €	2,00 €
1 monoblock Evolution hopper with extension	3.400	3.400	3.200
Cash box		2.800	

Twin Jolly PRO

Robust and reliable, with excellent security performance

Twin Jolly PRO offers the same security, design and functionality of the classic Jolly PRO model, in an even more powerful unit.

The ccTalk protocol offers high levels of protection from tampering and electronic frauds, while the new 32-bit CPU allows to access innovative functions for managing accounting data and configuration, accompanied by the useful machine cloning function.

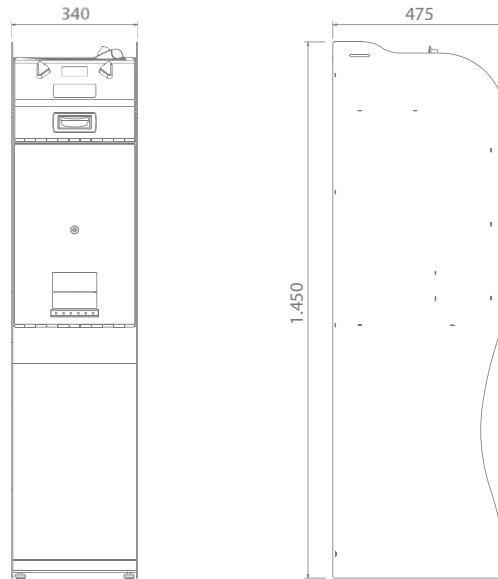
Twin Jolly PRO is an ideal change machine, which ensures high coin capacity with compact size.



Features

- Connection of peripherals via ccTalk.
- Distribution of two different types of coins and tokens.
- Bonus function for various types of tokens.
- Coins/tokens dispensed automatically or manually.
- New 32-bit CPU with SD-card.
- Exporting of accounting data and importing of configuration parameters via SD-card.
- Machine cloning function.
- Dispensing capacity equal to 6,800 1€ coins.
- Cash box and hopper compartment protected by an 8-point locking mechanism.
- Technical compartment completely separated from the cash compartment: the payment systems are therefore perfectly protected.
- The hoppers can be recharged externally, without accessing the cash compartment, for greater safety.
- LCD graphic display.
- The collection of large amounts of coins and tokens is facilitated by the compartment pre-set for free dispensing or else for collection cups.
- The structure protects the change machine against liquid spills from above.
- A ballast can be placed at the base in a separate lockable compartment to ensure greater stability, as well as to prevent the change machine from being stolen.

Technical Schematics



Note: Unit of measure: mm

Tools

Multiconfig

Software to configure the change machine.



Installed peripherals

- 2 Evolution hoppers with extension
- NV10 USB banknote reader

Optional peripherals

- RM5 HD coin validator

Optional accessories

- Coin/token collection cups (max height: 120 mm – diameter: 145 mm)
- Reprogrammable locks
- Anti-theft kit
- Steel protective bars

Related products

- Coin/banknote counters
- Wide range of tokens

Technical Specifications

Dimensions (LxHxW)	340 x 1,450 x 475 mm
Weight	72 kg
Power supply	230 Vac – 50 Hz
Power consumption	60 VA (max)
Operating temperature	0°C ÷ 50°C

Coin Capacity

	0.50 €	1.00 €	2.00 €
2 Evolution hoppers with extension	6,800	6,800	6,400
Cash box		10,000	

Easy PRO

The compact and versatile best selling machine by Comestero group

The most imitated change machine of the range has been entirely renovated and is now even more secure and reliable, thanks to the connection of installed peripherals via ccTalk.

The 32-bit CPU provides functions normally present only on change machines of higher range and price, such as importing/exporting configuration parameters, exporting accounting data and the useful function of machine cloning.

The reinforced closing mechanisms make Easy PRO one of the most secure change machines on the market with respect to attempts of tampering and fraud.

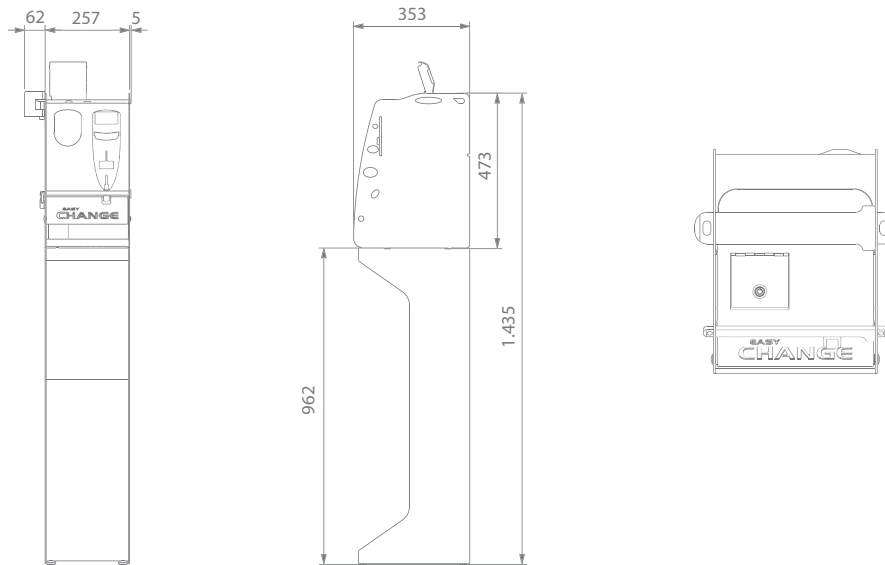
Easy PRO fits perfectly into all environments: shopping centres, gyms, airports, service stations, arcades, offices, bars and internet cafés.



Features

- Connection of peripherals via ccTalk.
- Distribution of coins or tokens.
- Bonus function for tokens.
- Coins/tokens dispensed automatically or manually.
- New 32-bit CPU with SD-card.
- Exporting of accounting data and importing of configuration parameters via SD-card.
- Machine cloning function.
- LCD graphic display.
- Special cover for the dispenser's extension: prevents coins from falling out in the event that the machine is tipped over.
- Wide range of installation options: wall mounted (with the Easy UP kit); countertop; wall mounted, by means of 3 anchoring bolts to be inserted at the back of the device; free standing on special base (optional).
- Holes in the cabinet for fastening the unit to other machines or to external structures such as columns or pillars.
- Internal on/off controls to prevent tampering.
- Pivoting door to facilitate dispenser-loading and cash box removal operations.

Technical Schematics



Note: Unit of measure: mm

Tools

Multiconfig

Software to configure the change machine.



Installed peripherals

- Evolution hopper with extension
- NV9 USB/NV10 USB banknote reader

Optional peripherals

- RM5 HD coin validator

Optional accessories

- Kit for reinforcing change machines already in use
- Support base
- Easy UP installation kit
- Reprogrammable locks
- Anti-theft kit
- Steel protective bars

Related products

- Coin/banknote counters
- Wide range of tokens

Technical Specifications

	Change machine	Change machine on support base
Dimensions (LxHxW)	257 x 473 x 353 mm	257 x 1,435 x 353 mm
Weight	25 kg	38 kg
Power supply	230 Vac - 50 Hz	230 Vac - 50 Hz
Power consumption	60 W max	60 W max
Operating temperature	0°C ÷ 50°C	0°C ÷ 50°C

Coin Capacity

	0.50 €	1.00 €	2.00 €
1 Evolution hopper with extension	2,400	2,400	2,200
Cash box		1,600	

Dual Coin PRO

The ideal solution for dispensing large amounts of two different coin/token denominations

Its exceptional structural strength, the reinforced closing mechanisms and the ccTalk protocol make Dual Coin PRO one of the most secure change machines on the market.

The 32-bit CPU provides notable functions, such as importing/exporting configuration parameters, exporting accounting data and the useful function of machine cloning.

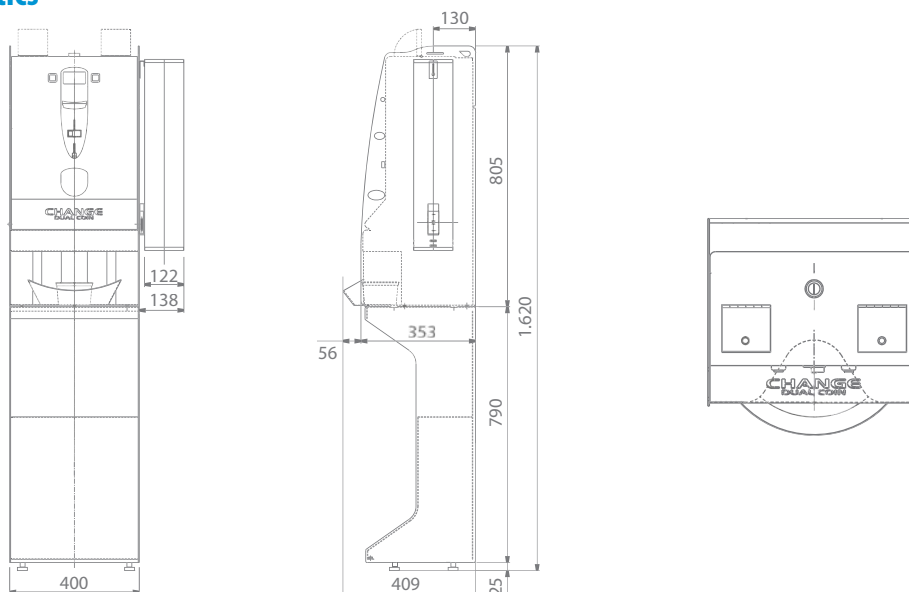
Dual Coin PRO can be equipped with the NV9 USB banknote reader with built-in stacker to stack up to 600 banknotes.



Features

- Operation via ccTalk.
- Distribution of coins and tokens.
- Bonus function for tokens.
- New 32-bit CPU with SD-card.
- Exporting of accounting data and importing of configuration parameters via SD-card.
- Machine cloning function.
- Compartment pre-set for free dispensing or else for collection cups: facilitates the collection of large amounts of coins and tokens.
- The separate dispensing of coins and tokens, which are contained in different hoppers, can be selected using the appropriate button.
- Internal on/off controls to prevent tampering.
- Pivoting door to facilitate dispenser-loading and cash box removal operations.
- Additional doors for recharging the change machine (located on the cover).
- Coins/tokens dispensed automatically or manually.
- LCD graphic display.
- Installation: wall mounted, by means of 3 anchoring bolts to be inserted at the back of the device; countertop; free standing.

Technical Schematics



Note: Unit of measure: mm

Tools

Multiconfig

Software to configure the change machine.



Installed peripherals

- 2 Universal MK IV hoppers with extensions
- NV9 USB/NV10 USB Banknote reader

Optional peripherals

- RM5 HD coin validator

Optional accessories

- Support base
- Reprogrammable lock
- Coin/token collection cups (max h 120 mm - Ø 145 mm)
- Cup dispensing tube
- Anti-theft kit
- Steel protective bars

Related products

- Coin/banknote counters
- Wide range of tokens

Technical Specifications

	Change machine	Change machine on support base
Dimensions (LxHxW)	400 x 805 x 409 mm	400 x 1,620 x 409 mm
Weight	43 kg	60 kg
Power supply	230 Vac - 50 Hz	230 Vac - 50 Hz
Power consumption	60 W max	60 W max
Operating temperature	-10°C ÷ 50°C	-10°C ÷ 50°C

Coin Capacity

	0.50 €	1.00 €	2.00 €
2 Universal MK IV hoppers with extensions	7,000	7,000	6,500
Cash box			4,600

Smart Jolly

Innovative high capacity change machine

Smart Jolly is a compact and versatile change machine that uses new high proven quality peripherals: the reliable innovative NV200 banknote reader, the exclusive Smart Hopper and the new RM5 HD coin validator.

The special extensions with which the hopper is equipped make Smart Jolly one of the largest capacity compact change machines on the market, which can hold more than 4,000 coins.

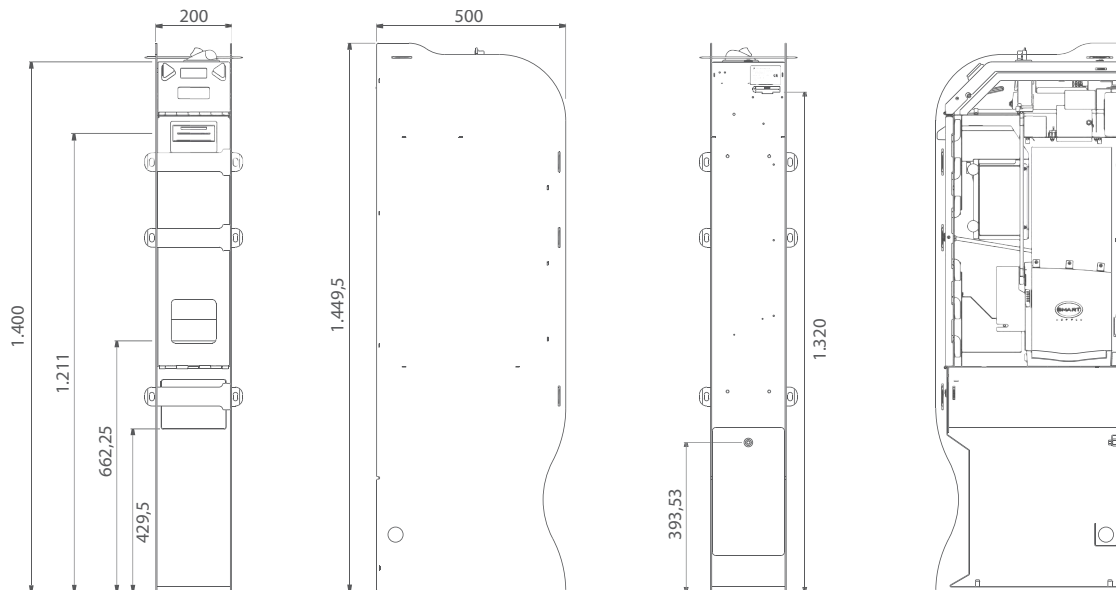
The new high performance electronic board also allows essential functions such as accounting data export or the option to clone and export the configuration parameters from one machine to another, as well as update the firmware and insert more languages.



Features

- Compact dimensions and high payout coin capacity (up to 4,000).
- High cash box coin capacity (up to 4,000).
- Recognition and acceptance of 6 different coins.
- High banknote capacity (up to 500).
- High performance 32-bit CPU.
- Accounting data export on SD-Card.
- Configuration parameter import using SD-Card (Machine Cloning).
- Languages and firmware update using SD-Card.
- Wide graphic display for simplified navigation.
- Very solid structure for high degree of security against tampering.
- Option to fasten the unit to another or to a pillar.

Technical Schematics



Note: Unit of measure: mm

Functions

- Rapid change from banknotes to coins.
- Option to assign one or more types of coins to the cash box keeping the other types for payout.
- Machine Cloning.
- Accounting data export on SD-Card.

Installed peripherals

- Smart Hopper USB
- NV200/NV9 USB banknote reader

Optional peripherals

- RM5 HD coin validator

Optional accessories

- Coin/token collection cups (max height: 120 mm – diameter: 145 mm)
- Reprogrammable locks with bolt
- Anti-theft kit
- Steel protective bars

Related products

- Coin/banknote counters
- Coin counters and sorters

Technical Specifications

Dimensions (LxHxW)	200 x 1,450 x 500 mm
Weight	65 kg
Power supply	250V / 50Hz
Power consumption	230 VA max
Operating temperature	0°C ÷ 50°C

Coin Capacity

	1.00 €
1 Smart Hopper	4,000
Cash box	4,000

Smart Easy

Simple and reliable, with the advantages of a multicoin hopper

Smart Easy is a new compact change machine combining the impeccable security of the PRO range with all the potential of an intelligent multicoin hopper.

All peripherals are integrated by means of the ccTalk communication protocol to prevent all forms of tampering and fraud.

The Smart Hopper installed permits change machines to be recharged with all coin denominations by simply emptying the cash box of the gaming machines into the hopper, significantly reducing the amount of time required for intervention.

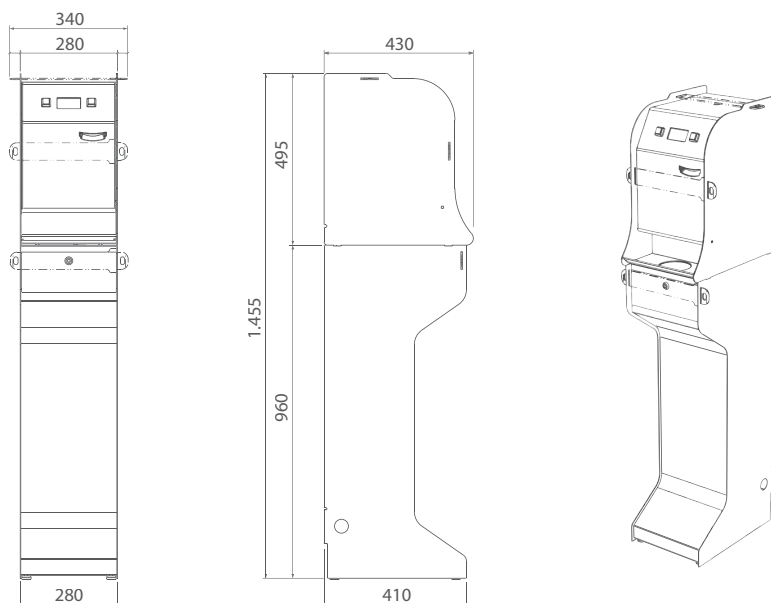
All programming operations can be carried out onboard using the display and the two convenient external change buttons.



Features

- Compact dimensions.
- Countertop installation with a free-standing base or Easy-UP wall mounting kit.
- High performance 32-bit CPU.
- SD-CARD for exporting accounting data, transferring configuration and updating firmware.
- Multicoin hopper capable of dispensing up to 6 types of coin.
- Coin collection compartment, large graphic display and backlit selection buttons.
- Programming directly onboard using the display and two convenient buttons.
- Controlled hopper emptying into a removable tray in the base of the coin changer.

Technical Schematics



Note: Unit of measure: mm

Functions

Rapidly changes notes to coins.

Transfers of configuration parameters from one machine to another (machine cloning).

Exports accounting data onto SD-card.



Installed peripherals

- Smart Hopper
- NV9 USB/NV10 USB Banknote reader

Optional peripherals

- RM5 HD electronic coin mechanism

Optional accessories

- Support base
- Easy UP kit
- Steel protective bars

Related products

- Coin/banknote counters
- Coin counters/sorters



Removable tray for emptying the hopper.

Technical specifications

	Change machine	Change machine on supporting base
Dimensions (BxHxW)	280 x 497 x 430 mm	280 x 1.455 x 430 mm
Weight	30 Kg	50 Kg
Power supply	230 Vac - 50 HZ	230 Vac - 50 Hz
Current consumption	200 VA	200 VA
Operating temperature	5 ÷ 50 °C	5 ÷ 50 °C

Coins accepted

	1.00 €
1 Smart Hopper	3,000

Changeuro SimplyCoin

Design and elegance combined with extraordinary reliability

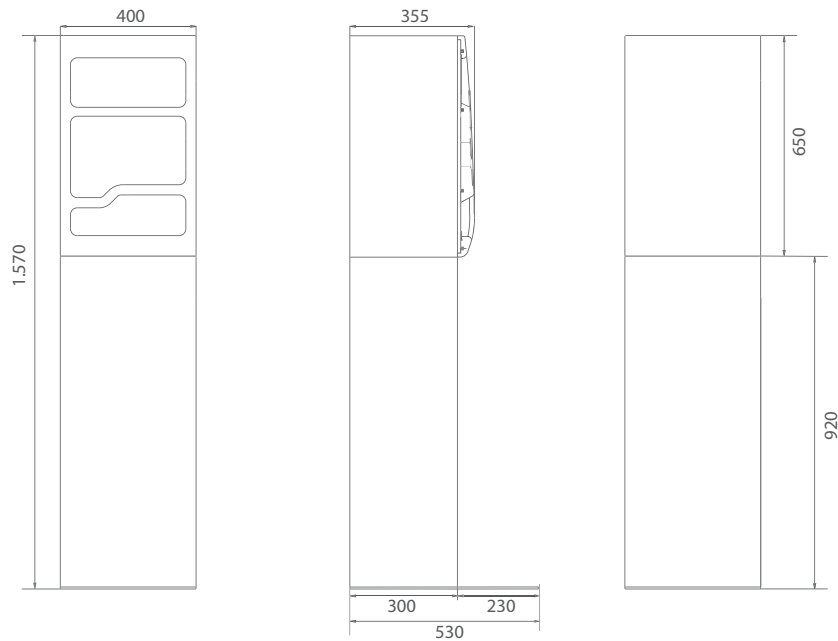
Changeuro SimplyCoin is only 35 cm deep and boasts an excellent coin capacity. Its elegant shape and refined design allow Changeuro SimplyCoin to fit perfectly in any environment. The graphics can be customised in order to allow increased visibility of the company logo.



Features

- Sheet metal with tubular security lock to guarantee optimal security.
- CPU electronic board with collections data detection.
- Wall mounted, by means of 3 anchoring bolts to be inserted at the back of the device, or upon a cabinet base.
- Internal on/off controls to prevent tampering.
- Automatic or manual coin/token dispensing modes.
- The separate dispensing of coins and tokens, which are contained in different hoppers, can be selected using the appropriate button.

Technical Schematics



Note: Unit of measure: mm

Tools

Programmer

For programming.



Installed peripherals

- RM5 HD coin validator
- 1 Evolution hopper with extension
- NV9 USB/NV10 USB banknote reader

Optional peripherals

- 2 Evolution hoppers
- Cashless system with transponder keys/cards

Optional accessories

- Cabinet base
- Protection devices with side locks
- Graphics customised by quantity
- Anti-theft kit

Related products

- Coin/banknote counters
- Wide range of tokens

Technical Specifications

	Change machine	Change machine on support base
Dimensions (LxHxW)	400 x 650 x 355 mm	400 x 1,570 x 530 mm
Weight	33 kg	57 kg
Power supply	230 Vac - 50 Hz	230 Vac - 50 Hz
Current consumption	0.45 A	0.45 A
Power consumption	100 W max	100 W max
Operating temperature	-10°C ÷ 50°C	-10°C ÷ 50°C

Coin Capacity

	0.50 €	1.00 €	2.00 €
2 Evolution hoppers	3,000	3,000	2,400
1 Evolution hopper with extension	5,500	5,500	4,000
Cash box		3,000	

Changeuro MultiCoin

The elegance of the Changeuro range with an enviable coin capacity

Its elegant shape and refined design allow Changeuro MultiCoin to fit perfectly in any environment. The version with two hoppers with extensions can reach a coin capacity of up to 11,000 1 € coins.

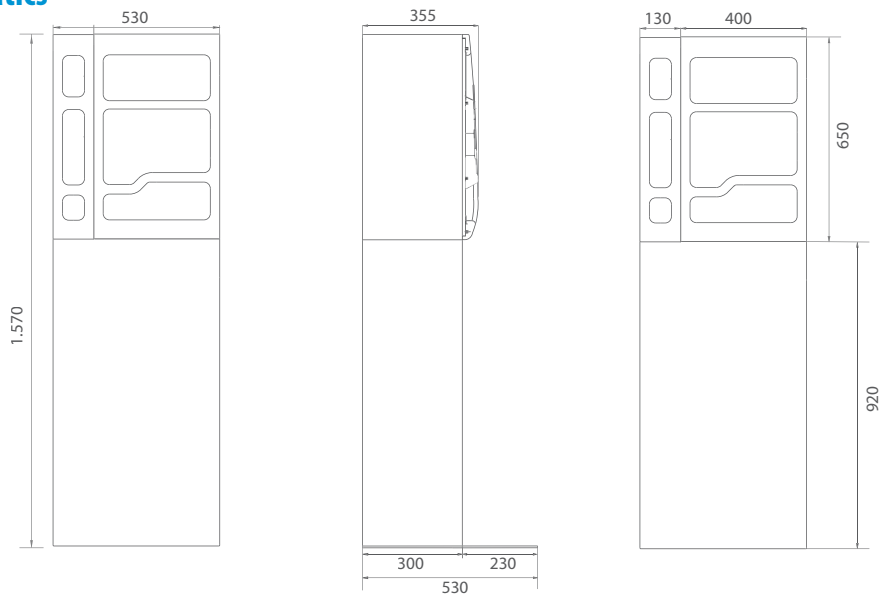
The graphics can be customised in order to allow increased visibility of the company logo.



Features

- Sheet metal with tubular security lock to guarantee optimal security.
- CPU electronic board with collections data detection.
- Wall mounted, by means of 3 anchoring bolts to be inserted at the back of the device, or upon a cabinet base.
- Internal on/off controls to prevent tampering.
- Automatic or manual coin/token payout modes.
- The separate payout of coins and tokens, which are contained in different hoppers, can be selected using the appropriate button.

Technical Schematics



Note: Unit of measure: mm

Tools

Programmer

For programming.



Installed peripherals

- RM5 HD coin validator
- 2 Evolution hoppers with extensions
- NV9-NV10 USB banknote reader

Optional peripherals

- 2 Evolution hoppers plus 1 Evolution hopper with extension
- 4 Evolution hoppers
- Cashless system with transponder keys/cards

Optional accessories

- Cabinet base
- Protection devices with side locks
- Graphics customised by quantity
- Anti-theft kit

Related products

- Coin/banknote counters
- Wide range of tokens

Technical Specifications

	Change machine	Change machine on support base
Dimensions (LxHxW)	530 x 650 x 355 mm	530 x 1,570 x 530 mm
Weight	43 kg	73 kg
Power supply	230 Vac - 50 Hz	230 Vac - 50 Hz
Current consumption	0.45 A	0.45 A
Power consumption	100 W max	100 W max
Operating temperature	-10°C ÷ 50°C	-10°C ÷ 50°C

Coin Capacity

	0.50 €	1.00 €	2.00 €
2 Evolution hoppers with extension	11,000	11,000	8,000
2 Evolution hoppers + 1 Evolution hopper with extension	8,500	8,500	6,400
4 Evolution hoppers	6,080	6,040	4,800
Cash box		3,000	

SimplyCoin

Ideal for changing coins or tokens in maximum safety

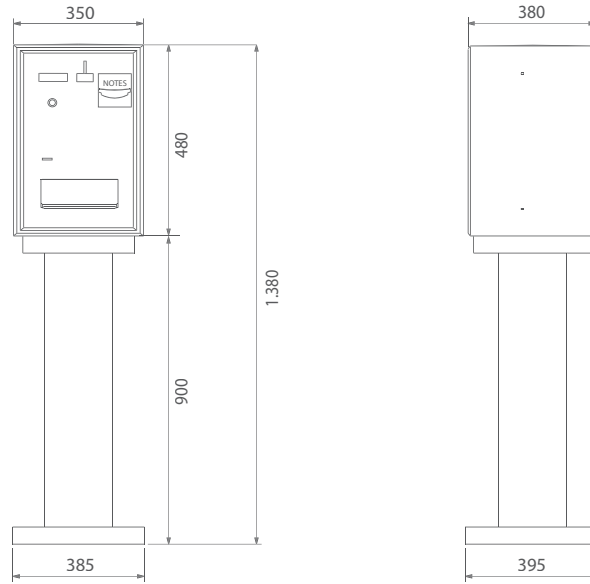
A compact change machine which offers excellent security, thanks to its special design features. The graphics can be customised in order to allow increased visibility of the company logo.



Features

- Sheet steel with 3-point safety lock with mapped-key.
- Exclusively internal on/off controls, to prevent tampering.
- Cover equipped with additional door for recharging the hopper.
- Separate cash box access for added collections security.
- CPU electronic board with collections data detection.
- Installation: wall mounted, by means of 3 anchoring bolts to be inserted at the back of the device; counter-top; free standing, by means of the optional base.
- Extremely simple programming and configuration.
- Accounting data on LCD display.

Technical Schematics



Note: Unit of measure: mm

Tools

Programmer

For programming.



Installed peripherals

- RM5 HD electronic coin validator
- NV10 USB banknote reader
- Evolution hopper with extension

Optional accessories

- Support base
- Graphics customised by quantity
- Anti-theft kit

Related products

- Coin/banknote counters
- Wide range of tokens

Technical Specifications

	Change machine	Change machine on support base
Dimensions (LxHxW)	350 x 480 x 380 mm	385 x 1,380 x 395 mm
Weight	28 kg	45 kg
Power supply	230 Vac - 50 Hz	230 Vac - 50 Hz
Current consumption	0.3 A	0.3 A
Power consumption	60 W max	60 W max
Operating temperature	-10°C ÷ 50°C	-10°C ÷ 50°C

Coin Capacity

	0.50 €	1.00 €	2.00 €
1 Evolution with extension	2,800	2,800	2,500

Autocoin Advance

New superior performance change machine

Autocoin Advance is the new change machine designed to meet the highest demands of the car-wash sector.

The new graphic interface is equipped with a wide back-lit display and selection buttons, which guide the user through the various functions. All payment systems are grouped together so as to be easily recognisable and accessible and are protected by a special polycarbonate pivoting door.

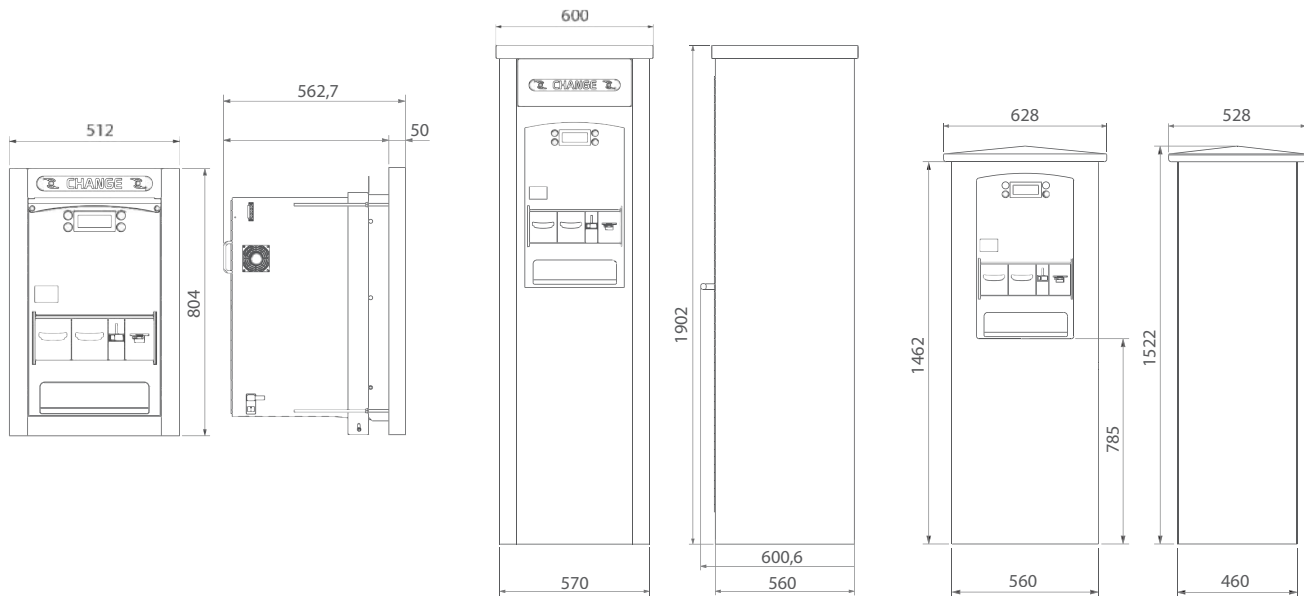
The graphics can be customised in order to allow increased visibility of the company logo.



Features

- Rapid changing of banknotes into coins and/or tokens.
- Dispensing of transponder keys or microchip cards to promote customer loyalty.
- Credit recharge on keys or cards.
- Token sales.
- Issuance of receipt upon complete or incomplete dispensing.
- Management of promotional activities for the purchase of tokens, for keys or card recharge or for building customer loyalty through discounts.
- New 32-bit CPU with removable SD-card for exporting accounting data to a PC and for importing/exporting configuration parameters.
- Materials resistant to dust, water and weather agents.
- Option to receive information on accounting data and faults on the machine and/or system via SMS.
- New remote data exchange function for consulting accounting data in real time. Access can be gained from any PC with SuiteConfig, appropriately configured.
- Installation:
 - on recessed;
 - on free standing cabinet;
 - on accessible free standing cabinet.

Technical Schematics



Note: Unit of measure: mm



Recessed version

Tools

SuiteConfig

Innovative program for PC which enables:

- the complete configuration of the machine;
- accounting data analysis.



It also supplies the tools for translating the user interface into all the languages not supported as standard.

Installed peripherals

- RM5 HD electronic coin validator
- Evolution Hopper
- POS (available in the countries that use it)

Optional peripherals

Different configurations are available that can provide:

- NV9 USB / NV10 USB banknote reader
- 2nd NV9 USB / NV10 USB banknote reader
- 2nd Evolution hopper
- WorldKey cashless system
- Cashless system with microchips cards
- Cashless system with transponder keys/cards
- Card dispenser
- Key dispenser
- Receipt printer
- Modem

Optional accessories

- Recessed flange
- Free-standing cabinet
- Accessible free-standing cabinet
- Graphics customised by quantity
- Anti-theft kit

Related products

- Coin/banknote counters
- Wide range of tokens

Technical Specifications

	Change machine	Change machine on free standing cabinet	Change machine on accessible free standing cabinet
Dimensions (LxHxW)	512 x 804 x 562.7 mm	470 x 1,650 x 600.6 mm	628 x 1,522 x 528 mm
Weight	45 kg	125 kg	120 Kg
Power supply	230 Vac	230 Vac	230 Vac
Power consumption	230 VA	230 VA	230 VA
Operating temperature	-15°C ÷ 50°C - humidity 10% ÷ 90% non condensed	-15°C ÷ 50°C - humidity 10% ÷ 90% non condensed	-15°C ÷ 50°C - humidity 10% ÷ 90% non condensed

Coin Capacity

	0.50 €	1.00 €	2.00 €
1 Evolution hopper	1,500	1,500	1,200
2 Evolution hoppers	3,000	3,000	2,400
1 Evolution hopper with extension	5,000	5,000	4,000

Autocoin Plus

Specifically designed for gantry carwash management

Specifically designed for outdoor use, this unit allows for total security thanks to its special construction features, which guarantee maximum reliability, even in the presence of water, condensation, hot and cold conditions.

The appearance and colour of the front panel make it attractive.

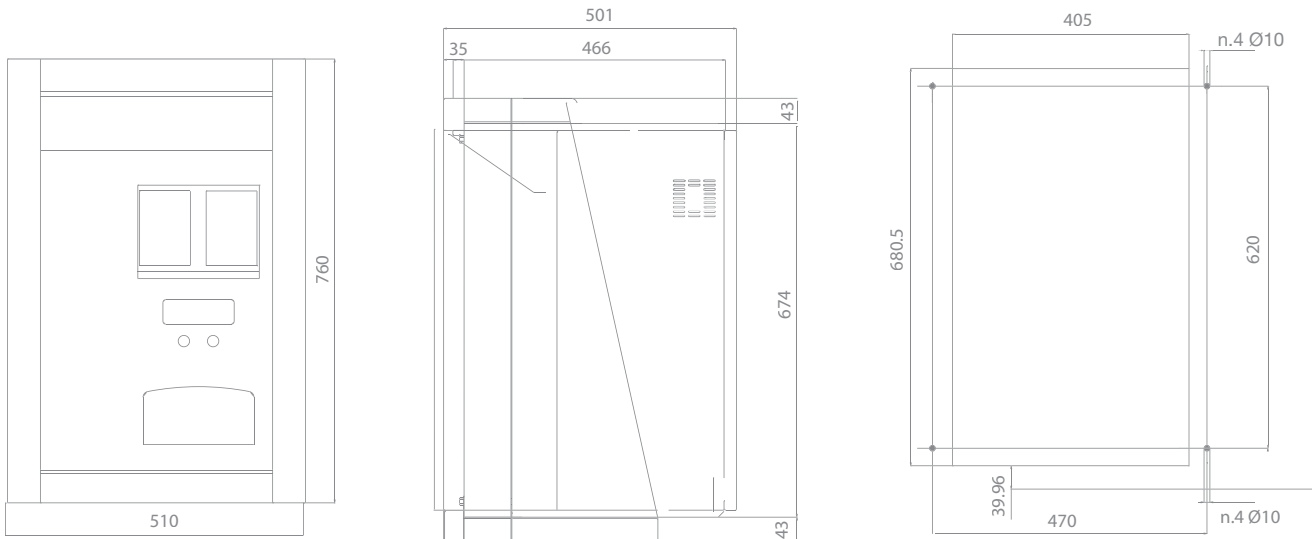
The graphics can be customised in order to allow increased visibility of the company logo.



Features

- IP54 protection rating and certificates of conformity to the 89/336/EEC and 73/23/EC directives.
- ATM-type user panel, recessed at 20 cm with respect to the external frame.
- Made of 12/10 thickness stainless steel with polycarbonate protection device for the money entry and change collection areas.
- CPU electronic board with collections data detection.
- Recessed or on a base for column-type installation.
- Modular installation of the peripherals, to allow modifying the configuration at any time by simply replacing the relative plate.
- Rear door with three closing points for performing cash-related and maintenance operations in complete privacy, inside the technical room.
- Multi-language instruction panel, customisable by quantity.
- Luminous "Change" sign, for immediate machine identification.
- Possibility of building customer loyalty using the cashless system with transponder keys/cards or cashless system with microchips cards.
- Dispensing keys or microchip cards.
- Optional printer for issuing receipts.

Technical Schematics



Note: Unit of measure: mm

Tools

Programmer

For programming.



Installed peripherals

- RM5 Evolution electronic coin validator
- 1 Evolution hopper
- POS (available in the countries that use it)

Optional peripherals

Different configurations are available that can provide:

- NV10 USB banknote reader
- 2 Evolution hoppers
- Cashless system with transponder keys/cards
- Customer TG58 or Comestergroup mod. STP-58-T printer
- Dispenser for keys or for small products in boxes
- Card dispenser

Optional accessories

- Cabin for column installation
- Graphics customised by quantity
- Anti-theft kit

Related products

- Coin/banknote counters
- Wide range of tokens

Technical Specifications

	Change machine	Change machine on support base
Dimensions (LxHxW)	510 x 760 x 501 mm	510 x 1,750 x 501 mm
Weight	45 kg	75 kg
Power supply	230 Vac - 50 Hz	230 Vac - 50 Hz
Power consumption	100 VA max - 25 VA in stand by	100 VA max - 25 VA in stand by
Operating temperature	-15°C ÷ 50°C humidity 10% ÷ 90% non-condensed	-15°C ÷ 50°C humidity 10% ÷ 90% non-condensed

Coin Capacity

	0.50 €	1.00 €	2.00 €
1 Evolution hopper	1,500	1,500	1,200
2 Evolution hoppers	3,000	3,000	2,400
1 Evolution hopper with extension	5,000	5,000	4,000

SimplyCoin Air

Maximum security and flexibility

SimplyCoin Air is a single-coin payout change machine with a front opening, ideal for any outdoor application, such as car washes and service stations.

Since it does not require constant supervision, it is the ideal solution for those who wish to equip the system with a second change point, even if far from the technical room. It combines all of the essential design solutions for guaranteeing maximum reliability, even in presence of rain, condensed humidity, heat and cold.

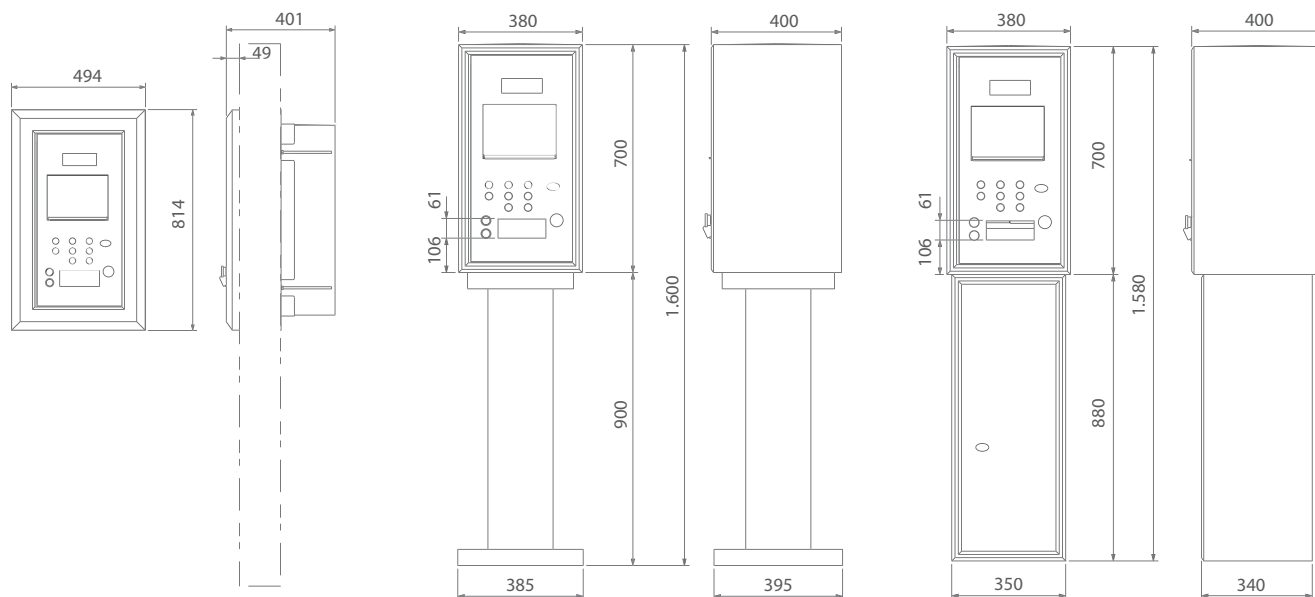
The graphics can be customised in order to allow increased visibility of the company logo.



Features

- Rain protection devices on the front openings, electrical components and payments systems. Structural work treated for outdoor environments.
- 5 mm thick steel door, reinforcement jambs, anti-vandalism buttons and a 3-point closing lock to guarantee high levels of security.
- CPU electronic board with collections data detection.
- Installation: recessed, with a special counter-flange seal; on a column; on a cabin with secure anchoring to the ground. The unit can therefore even be installed in locations which are not under constant surveillance.
- Frontal door opening, which facilitates handling and maintenance operations.
- Possibility of building customer loyalty using the cashless system with transponder keys/cards or the Simply-Card cashless microchip system.
- RS 232C serial interface for connection to a PC and peripherals, such as a modem, and single-phase mains power supply.

Technical Schematics



Note: Unit of measure: mm

Tools

Programmer

For programming.



Installed peripherals

- Tropicalised RM5 HD coin validator
- 1 Evolution Hopper
- POS (available in the countries that use it)

Optional peripherals

- NV10 USB banknote reader
- Cashless system with transponder keys/cards
- Printer for issuing receipts

Optional accessories

- Column base
- Base with cabinet
- Recessed flange
- Graphics customised by quantity
- Anti-theft kit

Related products

- Coin/banknote counters
- Wide range of tokens

Technical Specifications

	Change machine	Change machine on column base	Change machine on cabinet
Dimensions (LxHxW)	380 x 700 x 400 mm	385 x 1,600 x 400 mm	380 x 1,580 x 400 mm
Weight	50 kg	66 kg	72 kg
Power supply	220/230 Vac - 50 Hz	220/230 Vac - 50 Hz	220/230 Vac - 50 Hz
Power consumption	100 Va max - 25 Va in stand by	100 Va max - 25 Va in stand by	100 Va max - 25 Va in stand by
Operating temperature	-15°C ÷ 50°C - humidity 10% ÷ 90 % non-condensed	-15°C ÷ 50°C - humidity 10% ÷ 90 % non-condensed	-15°C ÷ 50°C - humidity 10% ÷ 90 % non-condensed

Coin Capacity

	0.50 €	1.00 €	2.00 €
1 Evolution hopper	1,500	1,500	1,200



Car wash start systems

Activators for ganty car washes and self-service washing bays managing various services. Thanks to the materials used and the design features, these devices are extremely secure and robust and are highly resistant to dust, water and nebulised chemical agents. They can also be graphically customised to fit perfectly in their installation environments.

- SimplyStart Touch
- SimplyStart Advance
- SimplyStart
- Pit Start
- Pit Wash
- Pit Point +
- Pit Point

SimplyStart Touch

The best technology blends together with ease of use and profitability

SimplyStart Touch is much more than just a portal starter.

Its state of the art technology offers numerous advantages to both the user and the operator.

Its practical, wide anti-vandal touch screen and payment systems are grouped together to be immediately recognisable and give accessible result in greater ease of use.

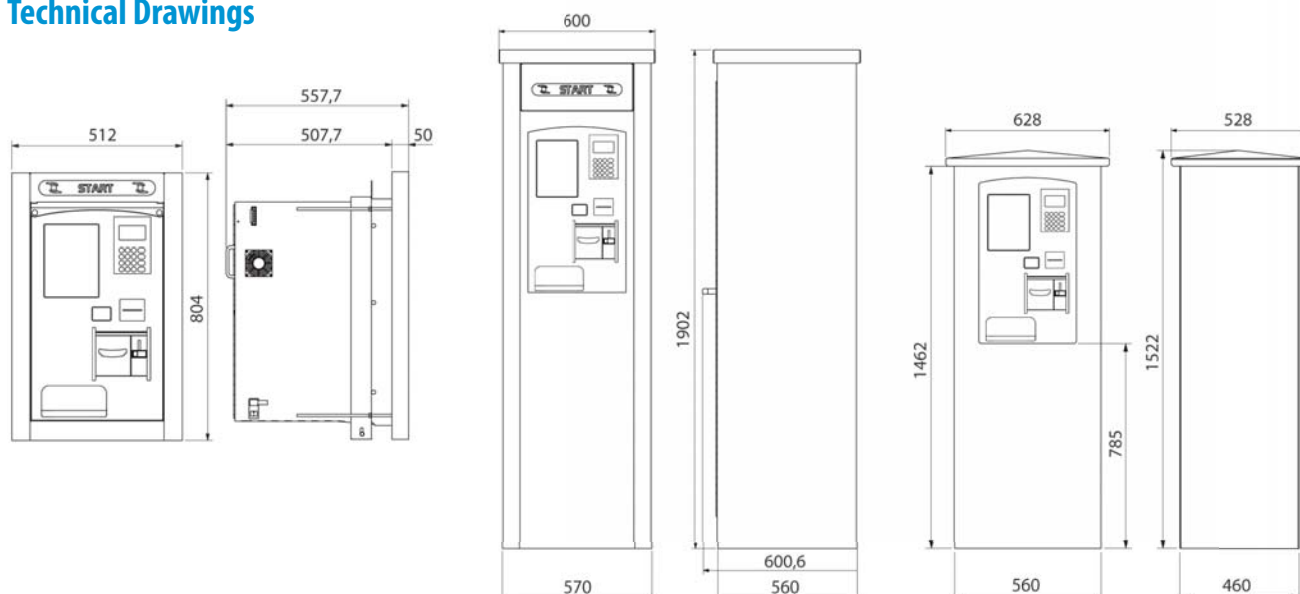
Its several implemented functions, on the other hand, allow the operator to increase the business day after day. SimplyStart Touch is not just a simple centralised cash point but a truly automated car wash service support and a powerful marketing tool. It allows managing of up to 8 different services and dispensing of complementary products, such as tokens and cards. Moreover, SimplyStart Touch ensures high security standards already available amongst other models of the Advance range.



Features

- User friendly touch screen interface in order to allow easy sales operations as well as accounting data configuration and collection.
- Graphic and vocal support guiding the user through various operations.
- It manages 8 washing programs.
- It allows cash payment as well as payment with tokens, cards, keys or by credit card (in countries where this service is available).
- Change is given.
- It dispenses keys, cards, or tokens (associated with a service).
- Barcode scanning for an automated management of promotions, bonuses and discounts.
- Incentive to purchase a program of higher price/quality to increase sales.
- It prints limited time promotional tickets in order to increase the frequency of visits.
- Promotional campaign management through discounts and special offers.
- In the event of failed service provision or machine malfunction it will print a refund receipt
- Differentiated pricing per payment method (cash or cashless).
- It sends alarm messages and accounting data via e-mail.
- It automatically prints daily accounting reports by means of a special barcode.
- It allows printing or exporting of accounting data and all marketing information in csv format.
- Direct phone calls through a dedicated line (optional).

Technical Drawings



Note: Unit of measurement: mm

Tools

TouchConfig

It is an innovative integrated program suitable for a complete starter configuration, which allows the importing and exporting of total and partial accounting data.

TouchCompta

It is a program suitable for consulting, analysing, exporting and printing of the machine accounting data.

This application allows the setting of search filters in order to obtain all the statistics linked to marketing operations. Data access is controlled and protected by hierarchical passwords.

Installed peripheral devices

- RM5 HD electronic coin mechanism
- POS module (available in the countries that use it)
- Barcode and QR code scanner
- Thermal receipt printer

Optional peripheral devices

- NV9 USB banknote reader
- Evolution hopper
- 2nd Evolution hopper
- Cashless system with transponder keys/cards
- Card dispenser
- Key dispenser
- Telephone call kit for dedicated line

Optional accessories

- Standard cabinet
- "Accessible" cabinet
- Luminous sign for customisable standard cabinet
- Anti-theft kit for "accessible" cabinet

Related products

- Coin/banknote counters
- Wide range of tokens

Technical specifications

	Starter	Cabinet-mounted starter	Accessible cabinet-mounted starter
Dimensions (LxHxD)	512 x 804 x 562,7 mm	600 x 1.902 x 600,6 mm	628 x 1.522 x 528 mm
Weight	53 Kg	153 Kg	120 Kg
Supply voltage	230 Vac	230 Vac	230 Vac
Current consumption	230 VA	230 VA	230 VA
Operating temperature	-15°C - 50°C – humidity 10% - 90% uncondensed	-15°C - 50°C – humidity 10% - 90% uncondensed	-15°C - 50°C – humidity 10% - 90% uncondensed
Internet connection required to guarantee the proper functioning of the starter			

Coin capacity

	0,50 €	1,00 €	2,00 €
1 hopper Evolution	1,500	1,500	1,200
2 hoppers Evolution	3,000	3,000	2,400

SimplyStart Advance

The new starter for the integral management of gantry car washes

SimplyStart Advance is the innovative gantry car wash starter with state of the art design and advanced performance. It allows the integral car wash management through a single user interface and can manage up to 12 different services.

All payment systems are grouped together so as to be easily recognisable and accessible and are protected against water and other weather agents by a special polycarbonate pivoting door.

New levels of security are guaranteed by the use of construction materials which are highly resistant to dust, water and chemical agents.

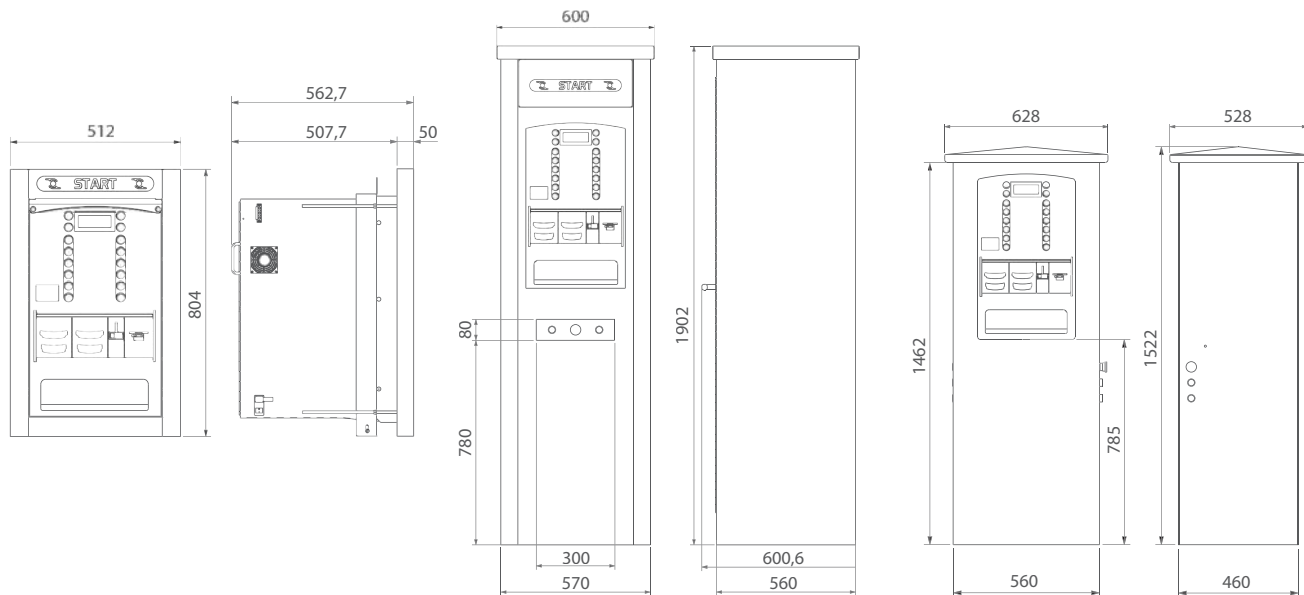
The graphics can be customised in order to allow increased visibility of the company logo.



Features

- Integral and complete management of the entire gantry car wash.
- Various payment options, including cash, tokens, transponder cards or keys and credit cards (available in the countries that use them).
- Change dispensing.
- Rapid changing of banknotes into coins or tokens and of coins into smaller coin denominations or tokens.
- Dispensing of transponder keys or microchip cards, for promoting customer loyalty or for accessing all of the facility's services.
- Recharging of credit to keys or cards.
- Token sales.
- Issuance of receipt upon complete or incomplete dispensing available as an option.
- Management of promotional activities for purchasing wash programs with cards, tokens or transponder keys.
- Differentiated price setting based on vehicle categories or time slots (they can also be differentiated for each day of the week).
- New 32-bit CPU with removable SD-card for exporting accounting data to a PC and for importing/exporting configuration parameters.
- Option to receive information on accounting data and faults on the machine and/or system via SMS.
- New remote data exchange function for consulting accounting data in real time. Access can be gained from any PC with SuiteConfig, appropriately configured.
- Installation:
 - on recessed;
 - on free standing cabinet;
 - on accessible free standing cabinet.

Technical Schematics



Note: Unit of measure: mm



Recessed version

Tools

SuiteConfig

Innovative program for PC which enables:

- the complete configuration of the machine;
- accounting data analysis.



It also supplies the tools for translating the user interface into all the languages not supported as standard.

Installed peripherals

- RM5 HD electronic coin validator
- Evolution Hopper
- POS (available in the countries that use it)

Optional accessories

- Recessed flange
- Free-standing cabinet
- Accessible free-standing cabinet
- Graphics customised by quantity
- Anti-theft kit

Optional peripherals

Different configurations are available that can provide:

- NV9 USB / NV10 USB banknote reader
- 2nd NV9 USB / NV10 USB banknote reader
- 2nd Evolution hopper
- WorldKey cashless system
- Cashless system with microchips cards
- Cashless system with transponder keys/cards
- Card dispenser
- Key dispenser
- Receipt printer
- Modem

Related products

- Coin/banknote counters
- Wide range of tokens

Technical Specifications

	Starter	Starter on free standing cabinet	Starter on accessible free standing cabinet
Dimensions (LxHxW)	512 x 804 x 562.7 mm	600 x 1,902 x 600.6 mm	628 x 1,522 x 528 mm
Weight	53 kg	153 kg	120 Kg
Power supply	230 Vac	230 Vac	230 Vac
Current consumption	230 VA	230 VA	230 VA
Operating temperature	-15°C ÷ 50°C - humidity 10% ÷ 90% non condensed	-15°C ÷ 50°C - humidity 10% ÷ 90% non condensed	-15°C ÷ 50°C - humidity 10% ÷ 90% non condensed

Coin Capacity

	0.50 €	1.00 €	2.00 €
1 Evolution hopper	1,500	1,500	1,200
2 Evolution hopper	3,000	3,000	2,400
1 Evolution hopper with extension	5,000	5,000	4,000

SimplyStart

For managing an entire car wash with a single payment unit

A payment system, specifically designed for gantry car washes, which even allows for the automation of pre-existing manual structures.

It combines all of the essential design solutions for guaranteeing maximum reliability, even in presence of rain, condensation, heat and cold.

It manages from 4 to 6 activation programs.

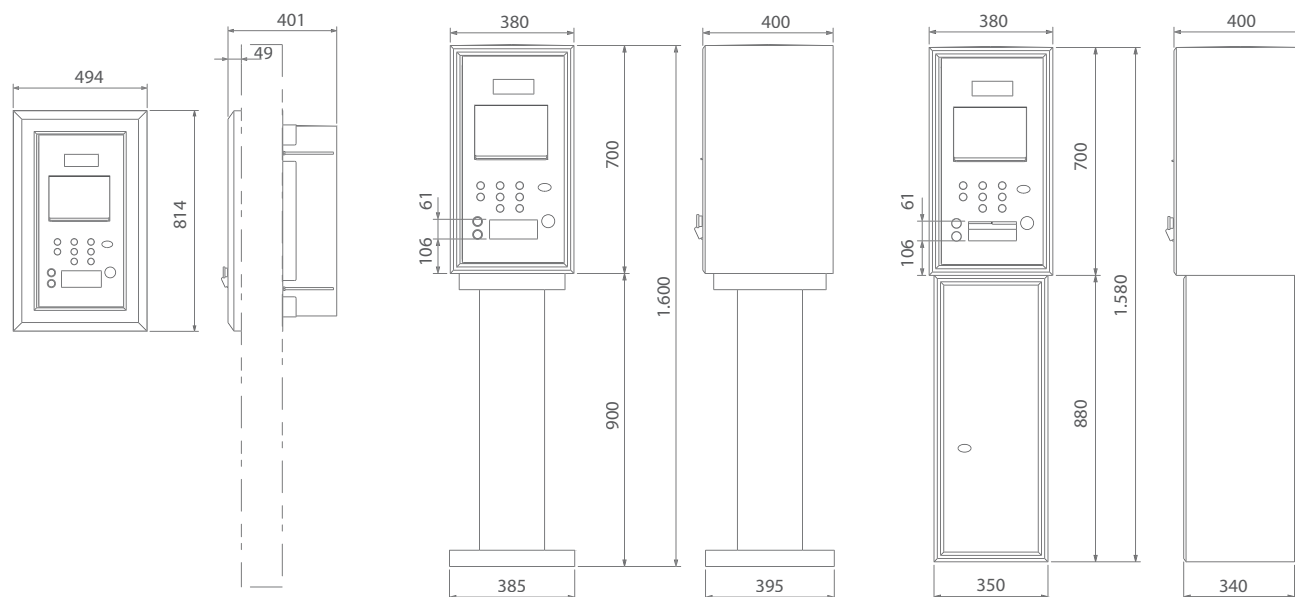
The graphics can be customised in order to allow increased visibility of the company logo.



Features

- Rain protection devices on the front openings, electrical components and payments systems; structural work treated for outdoor environments; anti-condensation and anti-freeze ventilation and heating system equipped with a thermostat.
- Anti-vandalism keys with IP 67 protection rating.
- 5 mm thick steel door and reinforced jambs.
- High-security 3-point closing locks.
- CPU electronic board with collections data detection.
- Possibility of building customer loyalty using the cashless system with keys/cards.
- It gives change and changes coins and/or tokens for the auxiliary services (vacuum cleaner, mat washer, etc.)
- Possibility of issuing a receipt which certifies either the completed transaction or the failure to perform the requested service in the event of system malfunction.
- Terminal board for connections to and from the system easily accessible with the door open. The terminal board is made up of:
 - 4 voltage-free exchange contacts for service activation in the 4-program version. 6 voltage-free exchange contacts for service activation in parallel or binary mode (by choice) in the 6-program model;
 - 3 standard opto-isolated inputs for receiving the wash status signals (in stand-by, in progress, vehicle presence, malfunction, etc.);
 - Single phase mains power supply;
 - RS 232C serial interface for connection to a PC and peripherals, such as a modem.

Technical Schematics



Note: Unit of measure: mm

Tools

Programmer

For programming



Installed peripherals

- Tropicalised RM5 Evolution electronic coin validator
- POS (available in the countries that use it)

Optional peripherals

Different configurations are available that can provide:

- NV10 USB banknote reader
- Evolution Hopper
- Cashless system with transponder keys/cards
- Printer for issuing receipts

Optional accessories

- Recessed flange
- Column or cabinet base
- Luminous buttons and illuminated retrieval area
- Graphics customised by quantity
- Anti-theft kit

Related products

- Coin/banknote counters
- Wide range of tokens

Technical Specifications

	Starter	Starter on column base	Starter on cabinet
Dimensions (LxHxW)	380 x 700 x 400 mm	385 x 1,600 x 400 mm	380 x 1,580 x 400 mm
Weight	50 kg	66 kg	72 kg
Power supply	220/230 Vac - 50 Hz	220/230 Vac - 50 Hz	220/230 Vac - 50 Hz
Power consumption	100 VA max - 25 VA in stand by	100 VA max - 25 VA in stand by	100 VA max - 25 VA in stand by
Operating temperature	-15°C ÷ 50°C - humidity 10% ÷ 90% non-condensed	-15°C ÷ 50°C - humidity 10% ÷ 90% non-condensed	-15°C ÷ 50°C - humidity 10% ÷ 90% non-condensed

Coin Capacity

	0.50 €	1.00 €	2.00 €
1 Evolution hopper	1,500	1,500	1,200

Pit Start

The best unit for activating self-service washing bays

Specifically designed for self-service washing bays, it allows the management of up to 7 wash programs through a single payment unit. It is particularly suitable for modernising existing high-pressure systems which still employ electro-mechanical control systems.

Solid and resistant, it guarantees excellent protection against dust, water jets and nebulised chemical products.

Communication with the user has been given the utmost attention, for making the activation and payment operations even more simple and intuitive.

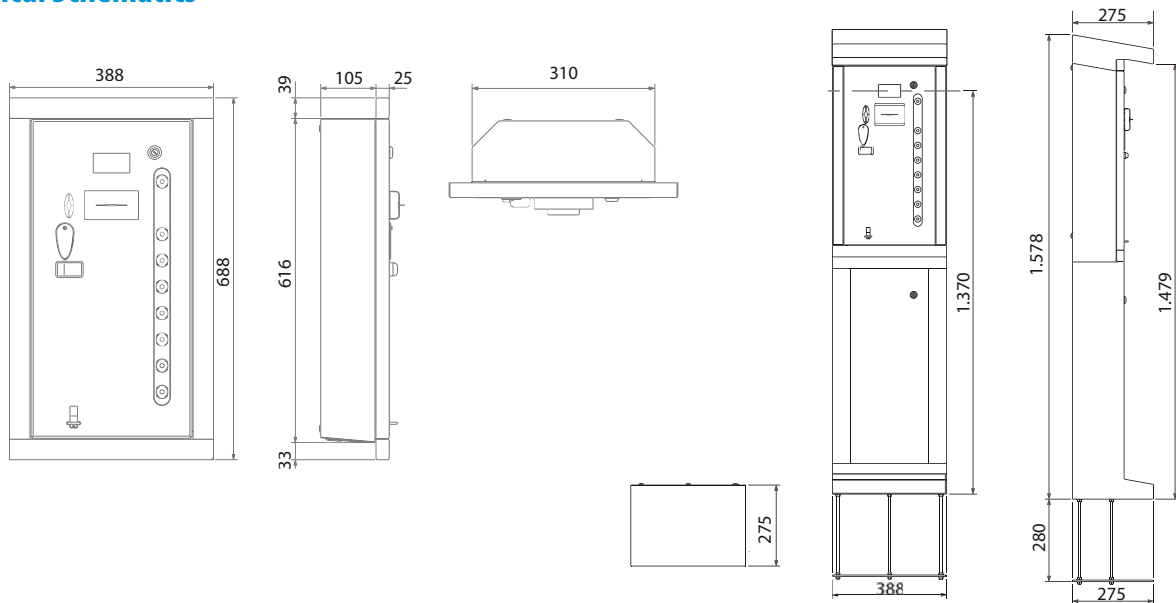
Pit Start is available in 2 different versions for easy installation on any type of system. The graphics can be customised in order to allow increased visibility of the company logo.



Features

- IP54 protection rating.
- The coin entry is protected by a mobile plate while the microchip card slot is equipped with an internal water-proof seal.
- Stainless steel external frame, door and pushbutton panel.
- Opening protected by a fully waterproof 4-point closing lock, equipped with an anti-drilling plate.
- Transfective display, back-lit like the buttons, guaranteeing maximum visibility even in conditions of full sunlight.
- Pushbutton panel equipped with 7 program selection buttons and 1 stop button, which allows the user to interrupt the service in progress.
- Installation: recessed or free standing.
- Front panel with wide space for communicating with the user and for indicating the function of each button. Instructions shown on a customisable adhesive panel.
- In the standard version, the interface is made with a DIN guide box equipped with 8 opto-isolated inputs for receiving signals from the system control unit, 8 relay outputs and 1 RS232 serial connector for programming the validator, transmitting accounting data and upgrading the software.
- The prices of the services can be set on-board the machine.

Technical Schematics



Note: Unit of measure: mm

Functions

Stand-by status

When the cash unit is in stand-by, the display shows a message asking to insert cash and select a service, while the buttons light up in a rapid sequence in order to attract the customers' attention.

Coin and token functionality

When the user inserts coins or tokens, the display will show the purchased credit. Once the first set price is reached, the Pit Start will be ready to activate the corresponding service.

Card or key operated

When the user inserts the key or the card, the display will show the amount of credit available. If the credit is equal to or higher than the lowest configured price, the Pit Start is ready to activate the relative service.

Selecting the services

Up to 7 different services can be selected, which correspond to an equal number of wash programs. The user can rapidly switch from one service to another by simply pressing the corresponding button.

Installed peripherals

- RM5 HD electronic coin validator
- WorldKey MIFARE® cashless system or cashless key system

Optional peripherals

- Microchip card system

Optional accessories

- Mechanical and electronic kit for microchip card installation
- Graphics customised by quantity

Related products

- Coin/banknote counters
- Wide range of tokens

Recessed version



Technical Specifications

	Starter	Starter on free standing base
Dimensions (LxHxW)	388 x 688 x 130 mm	388 x 1,600 x 280 mm
Weight	17 kg	52 kg
Power supply	24 Vac ±10%	24 Vac ±10%
Power consumption	25 W	25 W
Operating temperature	-15°C ÷ 50°C - humidity 10% ÷ 90% non-condensed	-15°C ÷ 50°C - humidity 10% ÷ 90% non-condensed

Coin Capacity

	0.50 €	1.00 €	2.00 €
Cash box	800	850	650

Pit Wash

Simplicity and efficiency to meet the requirements of self-service washing bays

Specifically designed for self-service washing bays, Pit Wash enables the management of up to 6 different wash programs.

Thanks to the absence of anchoring points, the predisposition for the coin suction tube and the internal automatic on/off safety switch guarantee maximum security levels.

2 different versions are available to satisfy any installation requirement.

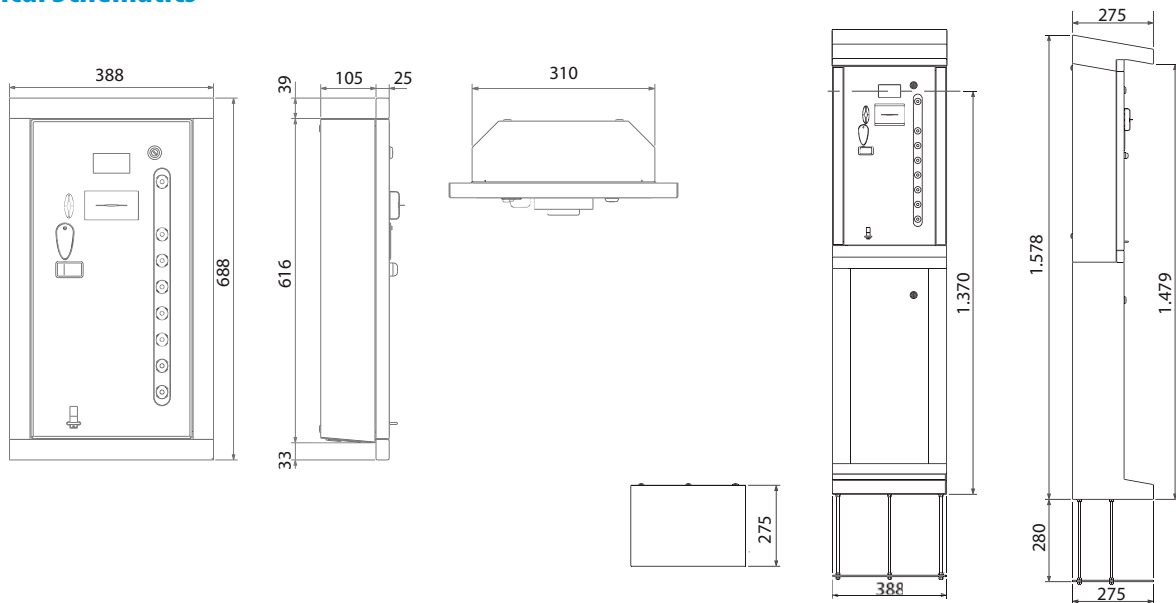
The graphics can be customised in order to allow increased visibility of the company logo.



Features

- Stainless steel door with a 4-point closing lock, for high anti-drilling protection.
- Solid and robust pushbutton panel, equipped with 6 program selection buttons.
- Protected payment systems in order to satisfy the requirements for use in humid environments.
- IP54 protection rating, resistant to dust, water jets and nebulised chemical products.
- Installation: recessed or on a free-standing base.
- LEDs on the upper cover to guarantee diffused lighting for the front panel and optimal visibility.
- Front panel with wide space for communicating with the user; customisable indications for the individual buttons (using special self-adhesive labels or lexan front plates).
- Easy to identify luminous buttons (with LEDs to ensure maximum durability).
- High luminosity 7-segment display.
- Independent programming of the duration of each program.
- Equipped with a DIN guide box with an automatic general protection switch.
- Programs managed by a MON5 electronic board by means of 6 NO contact relays.
- Pulse output on a NO contact for piloting an external meter.

Technical Schematics



Note: Unit of measure: mm

Functions

Stand-by status

In stand-by, the buttons which correspond to the various programs are off.

Payment

The amounts inserted (coins or tokens) are shown on the display.

Each time a EuroKey key is inserted, 1€ is credited (the keys cannot be recharged on the PitWash).

Selecting the programs

By pressing one of the buttons, the relative program will be activated and the corresponding indicator light will turn on. While sufficient credit remains available, the user will be able to change programs at any time.

Installed peripherals

- RM5 HD electronic coin validator
- Cashless key system
- MON5 HP electronic board

Optional accessories

- Reprogrammable lock
- MECA RM board for separate counting outputs for recessed channels (6 voltage-free NO contacts)
- Graphics customised by quantity

Related products

- Coin/banknote counters
- Wide range of tokens



Technical Specifications

	Starter	Starter on free standing base
Dimensions (LxHxW)	388 x 688 x 130 mm	388 x 1,600 x 280 mm
Weight	17 kg	52 kg
Power supply	24 Vac ±10%	24 Vac ±10%
Power consumption	25 W	25 W
Operating temperature	-15°C ÷ 50°C - humidity 10% ÷ 90% non-condensed	-15°C ÷ 50°C - humidity 10% ÷ 90% non-condensed

Coin Capacity

	0.50 €	1.00 €	2.00 €
Cash box	800	850	650

Pit Point +

Allows managing gantry car washes while building customer loyalty

Specifically designed for outdoor environments, it allows the management of up to 6 different wash programs. Robust and resistant, it is particularly suitable for resistance against dust, water jets and nebulised chemical products.

The absence of anchoring points, the predisposition for the coin suction tube and the internal automatic on/off safety switch guarantee maximum security levels.

Pit Point+ is equipped with a cashless system, for building customer loyalty. It is available in 2 different mechanical versions to satisfy any installation requirement.

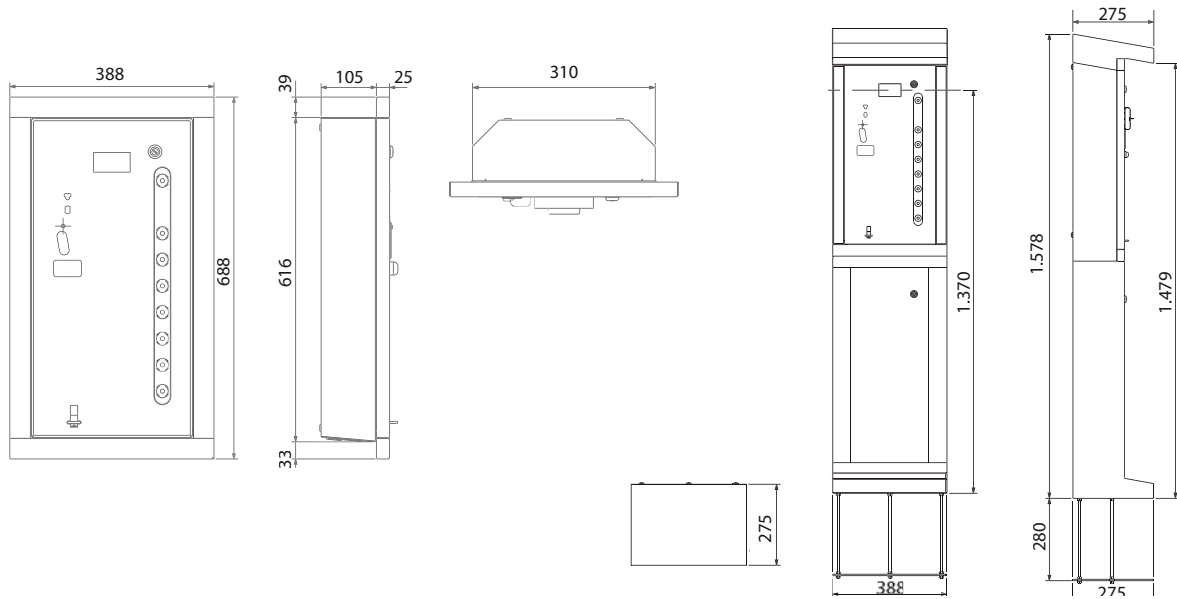
The graphics can be customised in order to allow increased visibility of the company logo.



Features

- The stainless steel door, external frame, and button panel are highly resistant to external break-in attempts.
- Door equipped with a 4-point closing lock, for high anti-drilling protection.
- Protected payment systems in order to satisfy the requirements for use in humid environments.
- IP54 protection rating, resistant to dust, water jets and nebulised chemical products.
- LEDs on the upper cover to guarantee diffused lighting for the front panel and optimal visibility.
- High luminosity 4-digit 7-segment display.
- Recessed or on a free-standing base.
- Front panel with wide space for communicating with the user; customisable indications for the individual buttons (using special self-adhesive labels or lexan front plates). Instructions shown on a customisable adhesive label.
- Button panel equipped with 6 program selection buttons.
- Easy to identify luminous buttons (with LEDs to ensure maximum durability).
- Interface: DIN guide box with 1 automatic general protection switch, 1 gantry-busy return relay and 2 gantry alarm return relays.
- Programs managed by a KPM/KPD board unit by means of 6 NO contact relays (binary or traditional piloting).
- Accounting data can be read either via a PC, or directly at the rear of the key system by means of the Audit Box (optional).

Technical Schematics



Note: Unit of measure: mm

Functions

Stand-by status

In stand-by, all the buttons are on.

Coin and token functionality

When the user inserts the amount, the display will show the amount of available credit. If a key has been inserted into the reader, the credited amount will automatically be transferred to the key itself.

Transponder key operated without contact

When the user inserts the key, the display will show the amount of available credit. If the credit is sufficient, the PitPoint+ is ready for activation.

Selecting the programs

The program can be activated by pressing the relative selection button. The coin validator is inhibited and the selection buttons turn off until the gantry returns to its initial status at the end of the cycle.

Tools

Audit Box

Device for collecting audit data.



Installed peripherals

- RM5 HD electronic coin validator
- Cashless system
- KPM/KPD electronic board

Optional accessories

- Audit Box
- Reprogrammable lock
- Graphics customised by quantity

Related products

- Coin/banknote counters
- Wide range of tokens



Technical Specifications

	Starter	Starter on free standing base
Dimensions (LxHxW)	388 x 688 x 130 mm	388 x 1,600 x 280 mm
Weight	17 kg	52 kg
Power supply	24 Vac ±10%	24 Vac ±10%
Power consumption	25 W	25 W
Operating temperature	-15°C ÷ 50°C - humidity 10% ÷ 90% non-condensed	-15°C ÷ 50°C - humidity 10% ÷ 90% non-condensed

Coin Capacity

	0.50 €	1.00 €	2.00 €
Cash box	800	850	650

Pit Point

The simplest solution for gantry car washes

Robust and resistant, it is specifically designed for outdoor environments. It is particularly resistant to dust, water jets and nebulised chemical agents.

The absence of anchoring points, the predisposition for the coin suction tube and the internal automatic on/off safety switch guarantee maximum security levels.

Pit Point is extremely simple to use, thanks to its single activation button.

It is available in 2 different mechanical versions to satisfy any installation requirement.

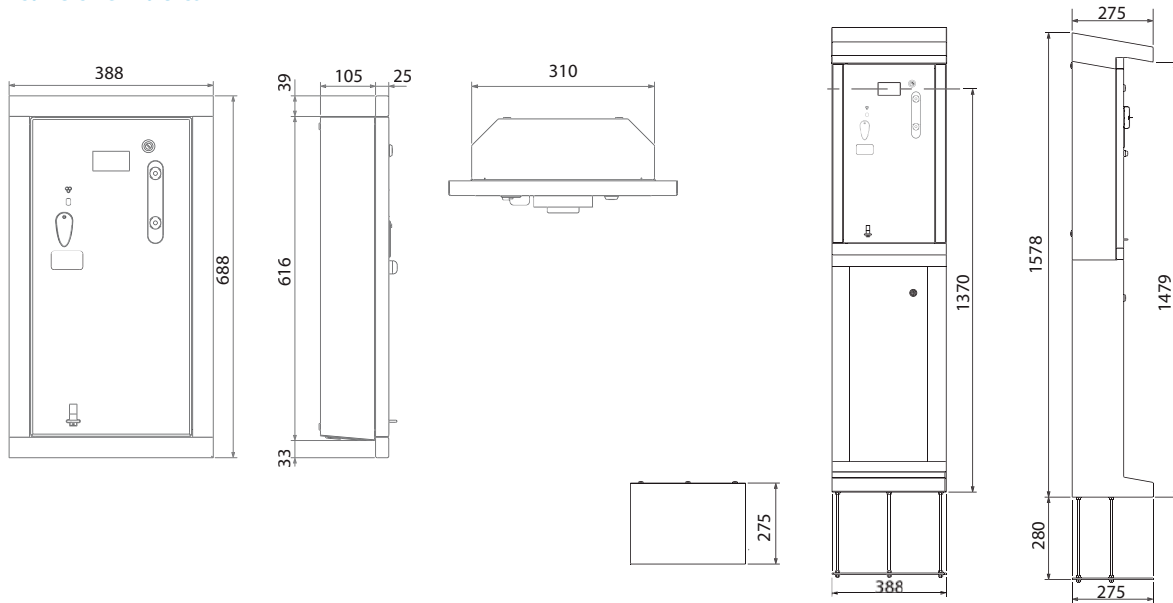
The graphics can be customised in order to allow increased visibility of the company logo.



Features

- The stainless steel door, external frame, and button panel are highly resistant to external break-in attempts.
- Door equipped with a 4-point closing lock, for high anti-drilling protection.
- Protected payment systems in order to satisfy the requirements for use in humid environments.
- IP54 protection rating, resistant to dust, water jets and nebulised chemical products.
- LEDs on the upper cover to guarantee diffused lighting for the front panel and optimal visibility.
- Recessed or on a free-standing base.
- Front panel with wide space for communicating with the user: customisable indications for the individual buttons (using the special self-adhesive labels or lexan front plates provided). Instructions shown on a customisable adhesive label.
- Easy to identify luminous button (with LED to ensure maximum durability).
- High luminosity 4-digit 7-segment display.
- Interface: DIN guide box with 1 automatic general protection switch, 1 gantry-busy return relay and 2 gantry alarm return relays.
- Programs managed by a MON5 control board by means 6 NO contact relays (binary or traditional piloting).

Technical Schematics



Note: Unit of measure: mm

Functions

Stand-by status

In stand-by, the "start wash" button is on.

Payment

The amounts inserted (coins or tokens) are shown on the display.

Selecting the programs

By pressing the start button, the program which corresponds to the amount inserted will be activated. The coin validator is inhibited and the start button turns off until the gantry returns to its initial status at the end of the cycle.

Installed peripherals

- RM5 HD electronic coin validator
- MON5 Tunnel management board

Optional accessories

- Reprogrammable lock
- Graphics customised by quantity

Related products

- Coin/banknote counters
- Wide range of tokens

Recessed version

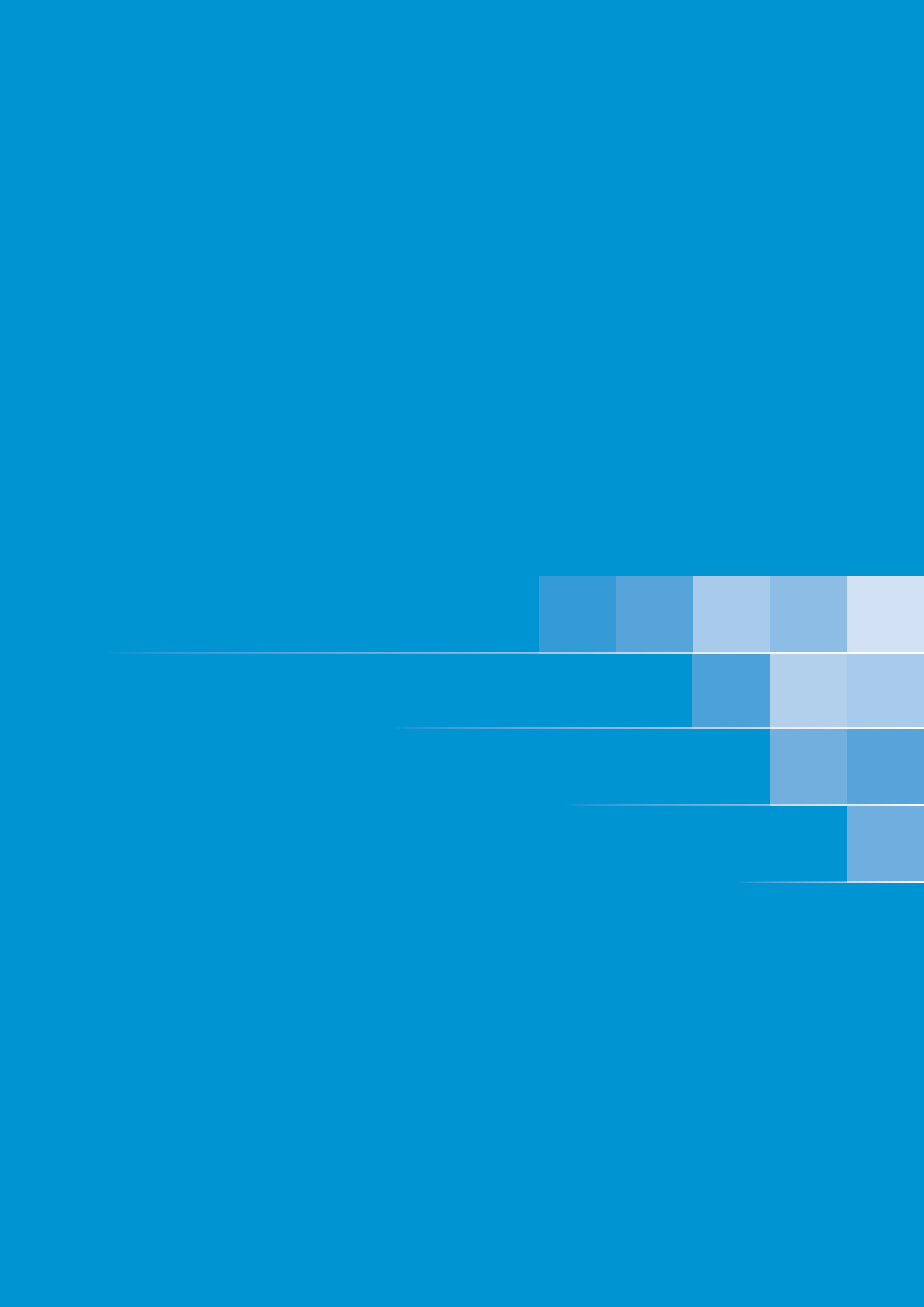


Technical Specifications

	Starter	Starter on free standing base
Dimensions (LxHxW)	388 x 688 x 130 mm	388 x 1,600 x 280 mm
Weight	17 kg	52 kg
Power supply	24 Vac ±10%	24 Vac ±10%
Power consumption	25 W	25 W
Operating temperature	-15°C ÷ 50°C - humidity 10% ÷ 90% non-condensed	-15°C ÷ 50°C - humidity 10% ÷ 90% non-condensed

Coin Capacity

	0.50 €	1.00 €	2.00 €
Cash box	800	850	650



Cash Points

They allow the management of today's self-service laundrettes in a centralised manner: in fact, they allow for the services to be paid for and activated from a single central control unit. Thanks to the various installed peripherals, they offer great payment flexibility. They can even be graphically customised in order to adapt to their place of installation.

- Laundry PRO
- Laundry Point
- My Laundry

Laundry PRO

Innovation at hand

Laundry PRO is the state of the art automatic cash point designed for self-service laundries. Its innovative designed and advanced functions make Laundry PRO a precious accessory for managers and end users: managers can easily increase their business, whereas the user will gain in terms of speed and convenience. The wide touch display allows the user interface to manage up to 40 washing or drying machines in a speedy and simple way.

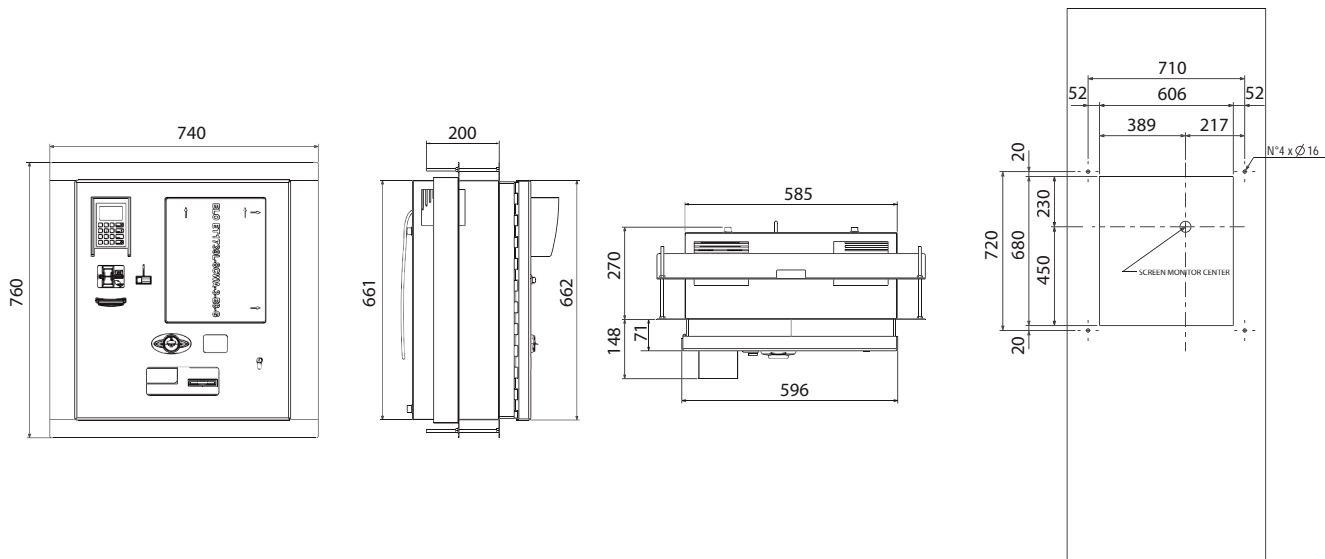
Laundry PRO offers maximum freedom of use: remote programming; App for Android devices and messaging via e-mail or SMS.

The optional barcode reader allows managing targeted pricing policies, such as discounts, bonuses and promotions. Laundry PRO ensures great flexibility in payments: in fact, it accepts coins and banknotes, but also microchip cards, thanks to the built-in card reader.



Features

- Simple and intuitive user interface consisting of a convenient 17" anti-vandal touch screen.
- Access to the machine menu through 3 different types of card: initialisation, provider and user cards. The provider card allows access to the cash point menu.
- Allows cash and card payments.
- Change return.
- Dispenses microchip cards for cashless payments.
- Built-in barcode reader (optional) for managing large scale promotional campaigns.
- Optional built-in thermal printer to print the receipt with barcode.
- USB port to import and export accounting data, configuration parameters and all cash point events.
- RS485 interface for the connection to one or more TRI-BIO boards to control 3 washing machines or 3 drying machines.
- Programming directly on the machine, importing files from a PC or remote programming.
- UPS Group.
- Different installation modes: wall-mount, by means of the bracket provided or recessed by means of the optional flange.



Note: Unit of measure: mm

Functions

User-friendly and reliable

The wide 17" touch display allows accessing the washing or drying machine in a quick and simple way. In just a few minutes, the user can select and activate the machine and pay using cash or card.

Simple maintenance

The door on the rear of the machine allows emptying the hopper, banknote reader and cash point more easily. Moreover, it allows charging the card dispenser and changing the paper in the thermal printer (where present).

Simple maintenance

Remote Management:

once Laundry PRO is connected remotely via the LogMeIn software, all the operations related to programming can be implemented via PC.

A new App for Android SMARTPHONES:

allows you to monitor the cash point 24/7 by sending commands to switch on and request the daily accounts.

Messaging via e-mail and SMS:

you can receive all the information about the cash point via SMS (alarms, faults and daily accounts).

Discount, promotion and bonus management

LAUNDRY PRO allows for the efficient management of discounts and promotions to increase customer retention through charging bonuses, discounts in the event of cashless payment and for groups of users in certain time slots.

A barcode can be added to the receipt to allow the user to take advantage of limited time promotions during a set period of time.

Installed peripheral devices

- RM5 HD electronic coin mechanism
- NV9 USB banknote reader
- Multi-coin hopper
- Microchip card reader

Optional peripheral devices

- Microchip card dispenser
- Barcode reader
- Receipt printer

Tools

Laundry Manager

Software for PC that allows you to have a simple and instant report on the progress of the laundry: ranging from the daily summary of receipts to the preparation of graphs and sales statistics. Can be downloaded from the website: www.comesterogroup.it

Pendrive Data Handler

Software that allows you to improve the performance of the cash points already in use with all the latest update releases. It allows also to import customized graphics, import/export configuration, export log files. Can be downloaded from the website www.comesterogroup.it and imported via a USB pen drive.

Optional accessories

- Flange for recessed installation
- Chip card
- Customised graphics by quantity

Related products

- Coin/banknote counters

Specifiche Tecniche

	Machine alone	Wall recessed machine
Dimensions (LxHxD)	595,5 x 661,5 x 324,5 mm	740 x 780 x 418 mm
Weight	68 Kg	83 Kg
Supply voltage	230 Vac	230 Vac
Absorbed power	350 W	350 W
Operating temperature	5°C ÷ 50°C	5°C ÷ 50°C

Laundry Point

Simplicity and elegance for self-service laundrette management

The new Laundry Point unit has been designed to offer the self-service laundrette market a high-quality centralised cash point at an extremely competitive price.

It allows managing up to 12 different washing machines and dryers.

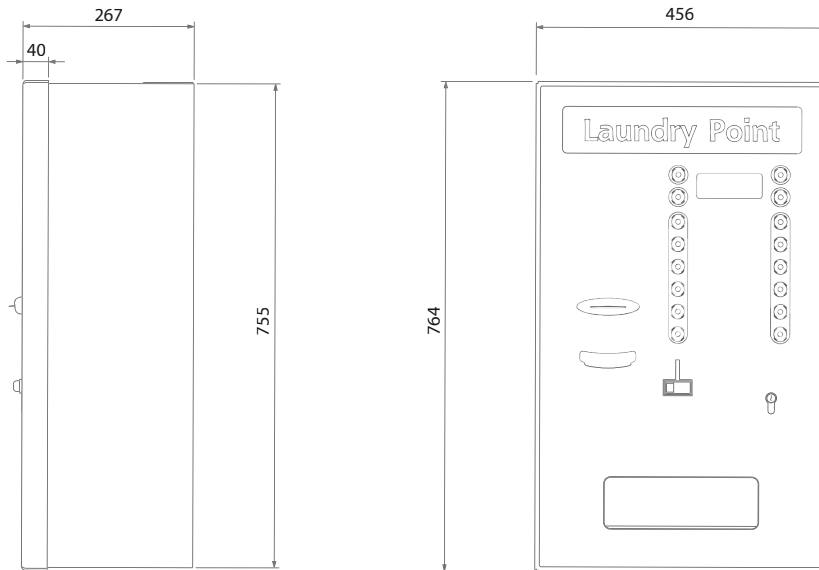
All operations are extremely simple and intuitive, thanks to the user interface and the 4 function buttons. Laundry Point offers great payment flexibility, accepting both cash and cards, thanks to its installed peripherals. The graphics on the panel and cards can be customised in order to allow increased visibility of the company logo.



Features

- Back-lit function keys, buttons, payment systems and change collection compartment, for easy identification.
- Front door protected by a 3-point closing lock.
- Cash point functions accessible via 3 types of cards: activation, management and user.
- Removable SD-card for performing various operations:
 - importing of configuration data from another cash point;
 - exporting of the cash point accounting data, configuration parameters and system events log;
 - automatic updating of on-board firmware.
- Installation: wall mounted, by means of the bracket provided or recessed, by means of the optional flange.
- RS485 interface for connecting to the 2 available BIO boards:
 - single BIO, can control 1 washing machine or dryer;
 - TRIBIO, can control 3 washing machines or dryers.
- The display and buttons indicate that the machine is unavailable in the event that the connected machine transmits a "busy" signal.
- Programming: on-board, using the wide display and the 4 function buttons after inserting the management card.
- SuiteConfig, new configuration program via PC.

Technical Schematics



Note: Unit of measure: mm

Tools

SuiteConfig

Innovative program for complete configuration of the machine via PC which allows:

- the development and configuration of all options;
- messages personalisation;
- importing/exporting of accounting and configuration data through SD-card, GPRS modem or web.



Installed peripherals

- ccTalk RM5 HD electronic coin validator
- NV9 USB banknote reader
- Microchip card reader
- Multicoins hopper
- SD-card

Optional peripherals

- Card dispenser

Optional accessories

- Flange for recessed installation
- Microchip cards
- Graphics customised by quantity

Related products

- Coin/banknote counters
- Wide range of tokens

Technical Specifications

Dimensions (LxHxW)	456 x 764 x 267 mm
Weight	50 kg
Power consumption	120 VA
Operating temperature	0°C ÷ 50°C
Power supply	230 Vac

My Laundry

MIFARE® technology for self-service laundrettes

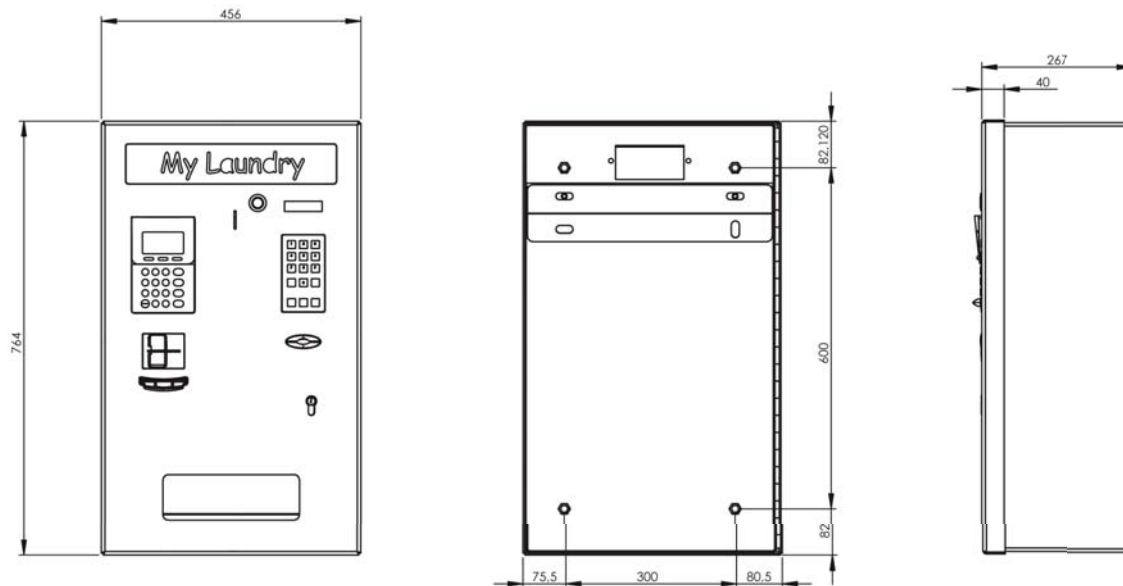
Designed around the WorldKey cashless system, the new My Laundry cash point combines all the benefits deriving from Mifare® technology with the safety and reliability of the peripherals installed. It allows for the management of up to 32 different washing machines and dryers, due to the modularity of the peripherals installed. My Laundry offers a variety of payment options and comes with a practical and secure keyboard. The user can pay with cash, by credit/debit card or with the WorldKey range of cards, keys or fobs.



Features

- Simplified user interface, made up of an alphanumeric display and practical keyboard.
- RR6 HD change-giver coin mechanism: modular 6-tube cassette system with the highest coin capacity available on the market, certified by the ECB.
- NV9 MDB banknote reader with 300 banknote stacker, certified by the ECB.
- Credit card reader available as an option.
- Mifare® card/key reader, able to manage bonuses, happy hours and promotional campaigns to increase customer loyalty.
- Ethernet connection for cash point programming and accounting management.
- Evolved machine interface:
 - KPM, to control 4 appliances (up to a maximum of 16 washing machines or dryers)
 - RIO, to control 8 appliances (for a maximum of 4 interfaces and up to a total of 32 washing machines or dryers).
- Front opening and lock with 3 closing points.
- Access to cash compartment protected by a specific lock.
- Different installation modes: wall-mounted, by means of a bracket provided, or recessed by means of an optional flange.

Technical Schematics



Note: Unit of measure: mm

Tools

UNICO configuration program

Innovative programme for the complete configuration of the cash point via PC that enables:

- the set-up and configuration of all available options;
- control of accounting data and operations performed by the machine;
- import/export of accounting data and configuration parameters using different methods: with programming key, via USB and via web.



Cash box coin capacity
1,000 pieces overall
Banknote reader with
300 banknote stacker

Installed peripheral devices

- RR6 HD change-giver coin mechanism
- NV9 MDB banknote reader
- Worldkey cashless system with Sky reading head
- 2 KPM boards for the management of 8 machines with "busy" signal

Optional peripheral devices

- Nayax credit card reader
- EMV 5.2 Banksys Xenteo credit card reader
- Thermal printer for printing the receipt
- Additional KPM boards for the management of 12 or 16 machines with "busy" signal
- RIO boards for the management of 24 or 32 machines with "busy" signal

Optional accessories

- Flange for recessed fitting
- Graphics customised according to quantity

Related products

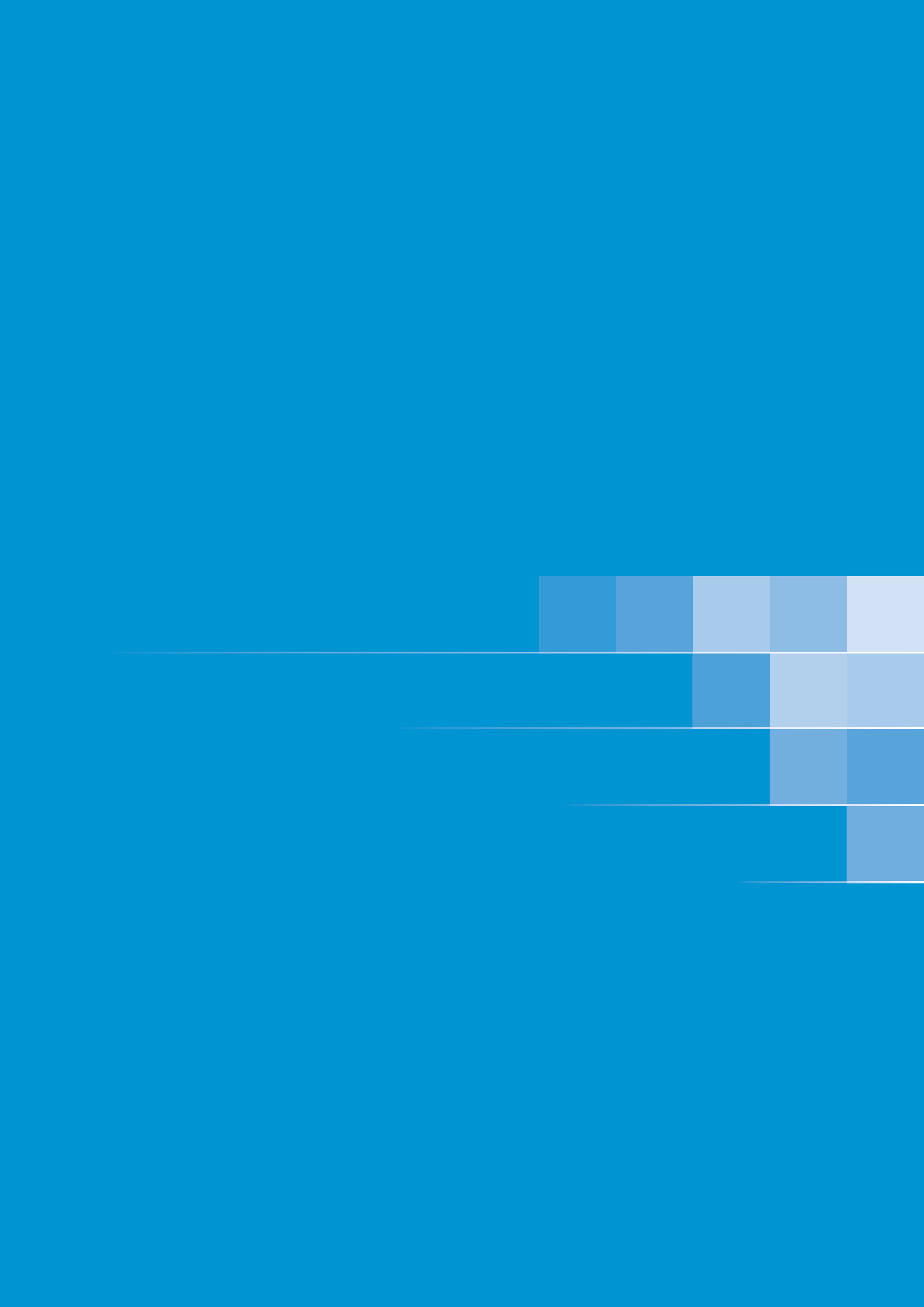
- Worldkey
- Worldkey Lite
- RR6 HD change-giver coin mechanism
- Banknote readers
- Coin/banknote counters



6-tubes for a change capacity of over
400 coins of different coin value

Technical specifications

Dimensions (LxHxP)	456 x 764 x 267 mm
Weight	50 kg
Supply voltage	230 Vac
Power consumption	120 VA
Operating temperature	5°C ÷ 50°C



Control devices

These units allow for the activation of services, even time-set, in various application fields: some of the models are designed for outdoor environments.

In order to better meet the needs of the customer, various payment systems can be installed, as well as a screen for displaying residual credit.

- AutoAccess
- Pit Service
- MyService
- MultiService
- EasyService
- Blue Box
- Grey Box
- D.A. Box
- Koro Box
- Box 1100
- Electronic boards

AutoAccess

Advanced system allowing access after making the payment and collecting a ticket, which can be used for payment after shopping

The system provides free access to the toilet for all customers from the petrol station thanks to the possibility of using the ticket printed by the machine for payment after shopping in the store of petrol station. People interested only in using the toilet are allowed to do it after making a symbolic payment.

This solution provides self-service access to the toilet, helps to keep the toilets clean and generates additional profit for the petrol station.



Features

- Every person on the petrol station has the possibility to use the toilet after making the payment with coins.
- Colored LCD 7" monitor displays all necessary informations for the users.
- AutoAccess machine is equipped with the payment system for coins and opening the turnstile after reaching the set price. The system is able to give change, so the users can use different coins' denominations for payment.
- The price of access to the toilet can be set directly in the machine by the manager.
- After making the payment, the machine prints the ticket with following informations: name and address of the petrol station, the price of access to the toilet, date and time of print, barcode and serial number.
- After using the toilet, the person can use the ticket for payment in the store of the petrol station. The ticket has the same value as the access to the toilet and is verified by the barcodes scanner in the cash register of the store.
- The staff of petrol station have the free access to the toilet thanks to the special contactless cards.
- AutoAccess machine saves in its memory the full history of operations, cash balance, status of containers for giving change and other informations related to the work of the machine. These informations can be checked on the display or printed by the administrator.



AutoAccess machine can be equipped with separate free access gate for disabled people, children and transport of materials and equipment for toilets. This gate can be used also as evacuation route.



Approximately 50% of people on petrol station only go to the toilet (profit for using the toilet), remaining 50% use the ticket to pay for the shopping in the store.



Colored LCD 7" monitor displays all necessary informations for the users



Dropped arm of the tripod turnstile



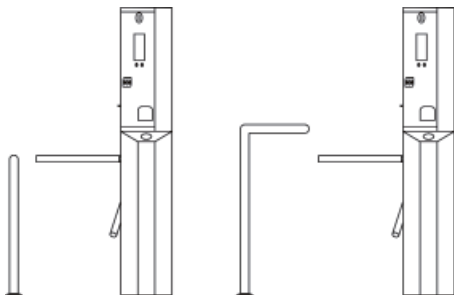
The front labels can be personalised

Advantages of the system

- Ease of use.
- User-friendly solution thanks to the tickets which are considered as a return of cost for the use of toilet.
- Income of the system covers the costs of keeping the toilets clean and generate additional profit.
- Quick return of investment.
- High level of hygiene in the toilets is deeply related with the positive corporate image.
- The tickets invite the users for shopping in the store of petrol station, which has a direct impact on sales growth.
- **The customers, who decided to use this solution, confirmed the 10-15% increase in turnover.**

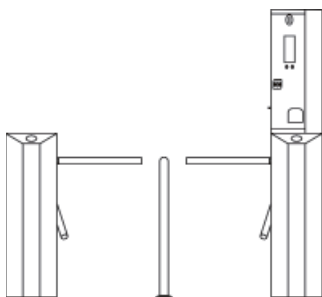
AutoAccess

Depending on the traffic and available space, the AutoAccess machine can be installed in different variants:



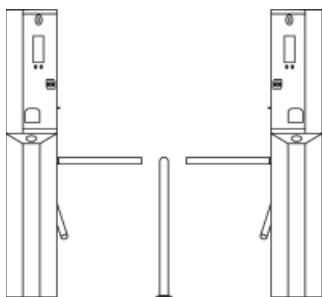
AutoAccess with barrier (straight or curved railing)

- Version designed for places with small traffic.
- The machine allows to pay for the entry, confirmed by printed ticket.
- The machine allows free exit.
- The barrier with curved railing together with dropping arm of the tripod turnstile allow free entry for disabled people.



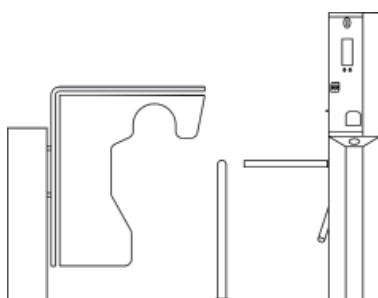
AutoAccess with barrier and exit turnstile

- Version designed for places with medium traffic.
- The machine allows to pay for the entry, confirmed by printed ticket.
- The exit turnstile allows free exit.



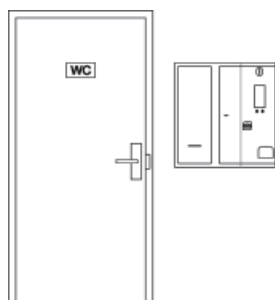
Two AutoAccess machines with barrier

- Version designed for places with big traffic.
- The machines allow to pay for the entry, confirmed by printed ticket.
- The machines allow free exit.



AutoAccess with barrier and hinged gate

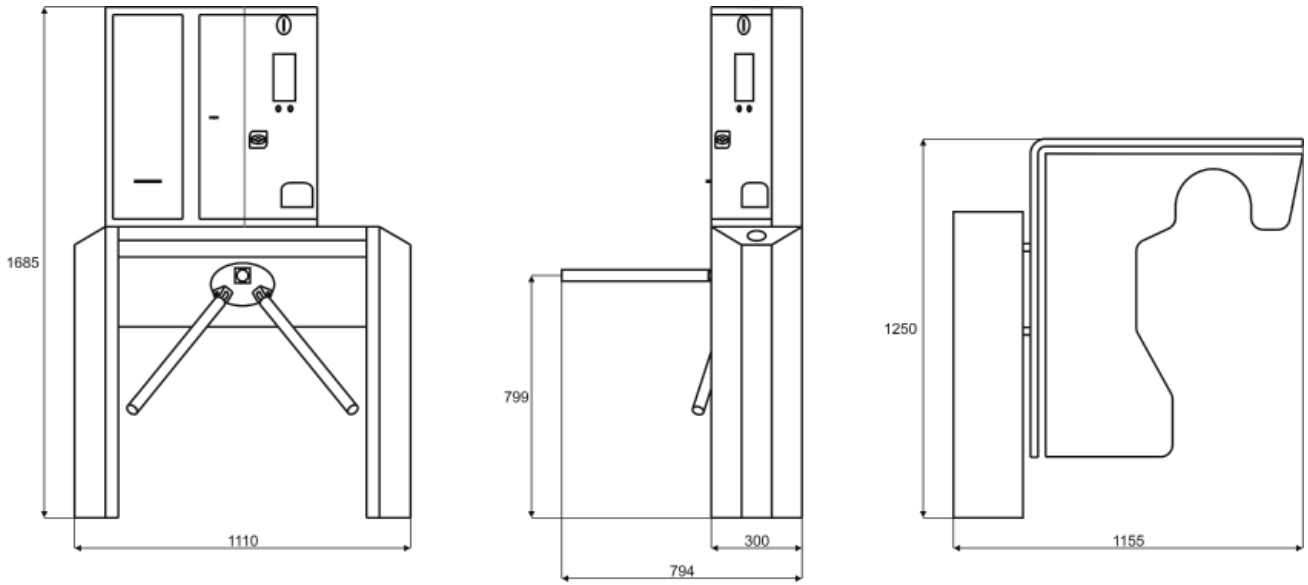
- Version designed for places with medium and big traffic.
- The machine allows to pay for the entry, confirmed by printed ticket.
- The machine allows free exit.
- The hinged gate allows free access for disabled people, children up to 115 cm height and transport of materials and equipment for toilets.



AutoAccess wall mounted version

- Version designed for places where is not possible to install the machine with tripod turnstile.
- The machine allows to pay for the entry, confirmed by printed ticket.
- The machine controls the electric lock of the toilet door.

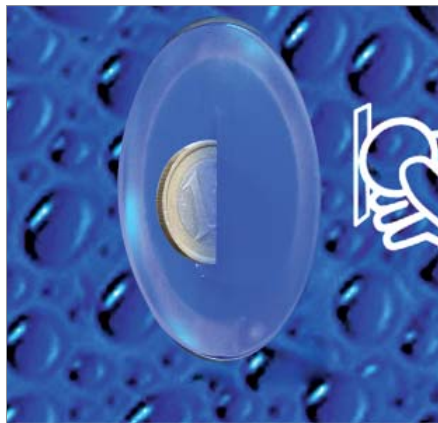
Technical schematics



Note: Unit of measure: mm



WorldKey system managing 3 different contactless cards



Closing and illuminated coin entry



High quality thermal printer

Technical specifications

Dimensions (HxWxL)	1685 x 1110 x 794 mm (725 x 700 x 300 mm wall mounted version)
Weight	117 kg (45 kg wall mounted version)
Cabinet	polished stainless steel 1.4301 (EN 10088)
Display	LCD 7" resolution 800x480 (RGB)
Accepted coins (EUR)	0,01 / 0,02 / 0,05 / 0,10 / 0,20 / 0,50 / 1 / 2
Containers for giving change	6 (denominations 0,05 / 0,0,5 / 0,10 / 0,20 / 0,50 / 1 EUR)
Print quality	200 dpi
Paper width	60 ÷ 82,5 mm
Paper thickness	60 ÷ 120 g/m ²
Barcode formats	UPC-A, UPC-E, EAN13, EAN8, CODE39, ITF, CODABAR, CODE93, CODE128, CODE32, PDF417
On-line communication (opcja)	LAN, WI-FI, GPRS
Powr supply	230V/50Hz
Power consumption	max 200VA

Pit Service

The most solid and secure solution for managing 6 time-set services

Pit Service has been designed to guarantee maximum security: all the necessary conditions to guarantee an IP54 protection rating against dust, water jets and nebulised chemical products were respected.

The front panel provides a space which allows easy communication by means of adhesive labels or customised lexan front plates.

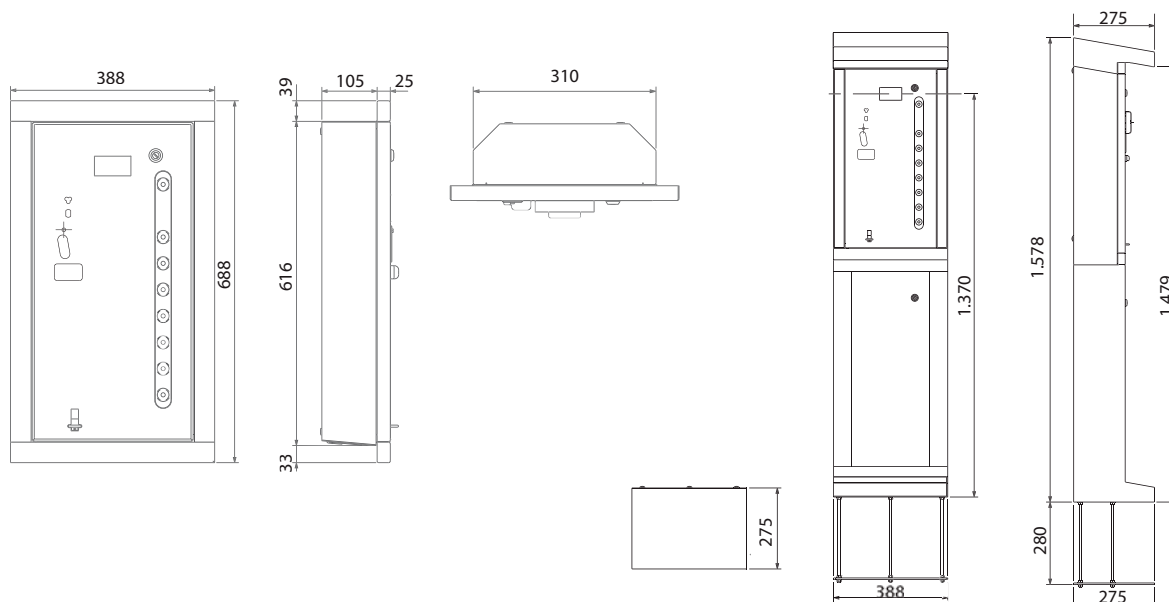
The graphics can be customised in order to allow increased visibility of the company logo.



Features

- Absence of anchoring points, to prevent tampering or theft attempts.
- The stainless steel door, external frame, and button panel are vandalism-resistant.
- Door equipped with a 4-point closing lock, for high anti-drilling protection.
- Protected payment systems in order to satisfy the requirements for use in humid environments.
- 4-digit 7-segment display.
- LEDs on the upper cover to guarantee diffused lighting for the front panel and optimal visibility.
- The adhesive instruction label can be customised according to the customer's requirements (minimum quantity required).
- Solid and robust pushbutton panel with 6 luminous service selection buttons. All buttons are luminous and easy to identify (with LEDs to ensure maximum durability).
- DIN guide box with 1 automatic general protection switch and 6 machine-busy return relays.
- KPM/KPD board for service activation signal by means of 6 NO contact relays.
- Accounting data can be read either via a PC, or directly at the rear of the key system by means of the Audit Box (optional).
- Installation: recessed or on free-standing base.
- Internal automatic on/off switch for device security.

Technical Schematics



Note: Unit of measure: mm

Functions

Stand-by status

The buttons corresponding to the available services are lit.

Coin and token operated

When the user inserts coins or tokens, the display will show the amount of purchased credit. Once the lowest configured price is reached, PitService is ready to activate the relative service.

Cashless operated

When the user inserts the key or the card, the display will show the amount of credit available. If the credit is equal to or higher than the lowest configured price, the Pit Service will be ready to activate the relative service.

Selecting the services

The available services can be activated by simply pressing the button corresponding to the desired service. Once the program is activated, the button for the selected program turns off and cannot be reactivated until the machine busy signal is deactivated at the end of the cycle.

Tools

Audit Box

Kit for audit data collection.



Installed peripherals

- RM5 HD electronic coin validator
- Cashless system

Optional accessories

- Audit Box
- User keys
- Graphics customised by quantity

Related products

- Coin counters
- Wide range of tokens

Recessed version



Technical Specifications

	Starter	Starter on free standing base
Dimensions (LxHxW)	388 x 688 x 130 mm	388 x 1,600 x 280 mm
Weight	17 kg	52 kg
Power supply	220 Vac ±10%	220 Vac ±10%
Power consumption	25 W	25 W
Operating temperature	-15°C ÷ 50°C - humidity 10% ÷ 90% non - condensed	-15°C ÷ 50°C - humidity 10% ÷ 90% non - condensed

Coin Capacity

	0.50 €	1.00 €	2.00 €
Cash box	800	850	650

MyService

The MIFARE® technology activation system that meets any requirement

MyService, the new payment box that perfectly adapts to the requirements of providers and users, is the result of the combination between MultiService and the MIFARE® technology platform (standard, Plus, DesFire, NFC).

Thanks to the WorldKey cashless system, MyService guarantees security, flexibility and innovation. Not only can it automate the payment of several timed services, such as service areas, self-service laundries, sports and tourist facilities, public services and timed lighting, but it can also manage various sales and identification applications, storing them in a single RFID (card, key or tag).

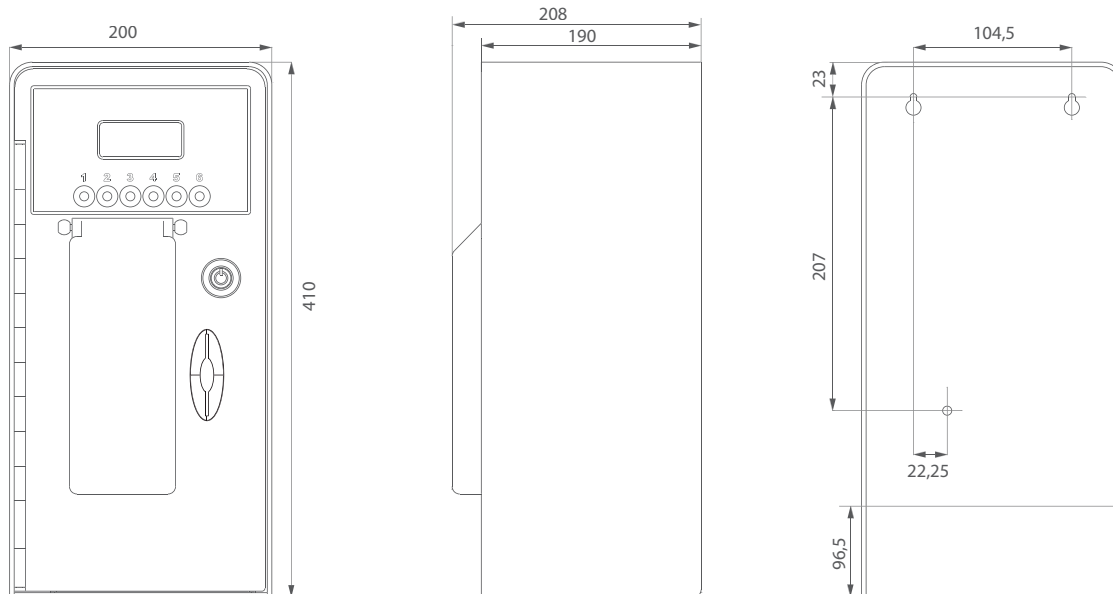
MyService also allows retaining customers and increasing business: in fact, it allows managing promotional campaigns, discounts, bonuses and prizes.



Features

- System consisting of a CPU and a reading head connected with a "smart" coaxial cable (patent pending).
- Reading head available in 2 versions:
 - **Sky**: with card plus key/tag insertion;
 - **Galaxy**: with tap-and-go cards plus key/tag.
- Reading heads equipped with: red light signal according to EVA-CVS standard with 3 status LEDs, buzzer and infrared interface for audit/log data collection and reader programming.
- Handy 16-character 2-line alphanumeric display.
- Automatic service activation upon inserting the card, key, tag, or coin (in the coin mechanism version) or pressing the practical selection buttons.
- Sturdy anti-vandal and waterproof cabinet, resists against weather agents.
- Lock with a high degree of safety
- Rear cable exit
- Internal on/off switch

Technical Schematics



Note: Unit of measure: mm

Functions

UNICO configuration program

Software package which assembles all programs for collection and management of audit/log data (according to EVA-DTS standard or Windows Excel), for programming operating parameters and for management of all key/card/tag functions.



Card management software (code RFT-CARD-SW)

Audit and log management software (code RFT-AUDIT-SW)

Portable universal programmer

To program MyService directly on the field or to download audit data via infrared.



Programming key



Clone programming key



Audit key



Functions

- Management and automation of 2 to 6 timed services.
- Single or multiple cash sales mode.
- Management of 3 safety codes (administrator, renter, machine).
- Machine number editable by user.
- Management of maximum value that can be loaded with support.
- Management of differentiated cards/keys/tags.
- Management of black list/white list/log file.
- Time slot management.
- Advanced bonus and discount management.
- Accounting data management.
- On-field firmware updates.
- Remote data management and modification through Ethernet connection.

Versions

- Standard WorldKey multi-price cashless system
- With cashless system and RM5 HD T electronic coin mechanism

Optional accessories

- Portable universal programmer (UHHT)
- RFID keys customisable in the label by quantity
- RFID cards customisable in the graphics by quantity
- RFID tags customisable in the graphics and shape by quantity
- Stickers customisable in the graphics by quantity
- UNICO configuration program
- Micro USB cable

Related products

- Easy Pay unit
- Desk Top unit
- General Purpose unit
- General Purpose Capsense unit
- Coin counters

Technical specifications

Dimensions (LxHxD)	208 x 410 x 96,5 mm
Weight	8,5 Kg
Mounting	Wall-mount
Input voltage	
- Mains version	230 Vac ± 10%
Power consumption	40 W
Outputs	Relay, current-carrying capacity 4A at 230 Vdc

Coin capacity

	0,50 €	1,00 €	2,00 €
Cash point	400	500	350

Technical Specifications – keys/cards/tags

Technology used	Inductive transmission, data and energy ISO 14443 – MIFARE® encrypted
Transmission frequency	13,56 MHz

MultiService

The payment system that automates up to 6 time-set services

MultiService is particularly suited to outdoor environments: it is totally waterproof and particularly robust to withstand the effects of weather agents, as well as acts of vandalism.

This unit can be used in any field which requires the automated payment of various services, such as service stations, timed lighting installations and even tourism, sports and public service facilities.

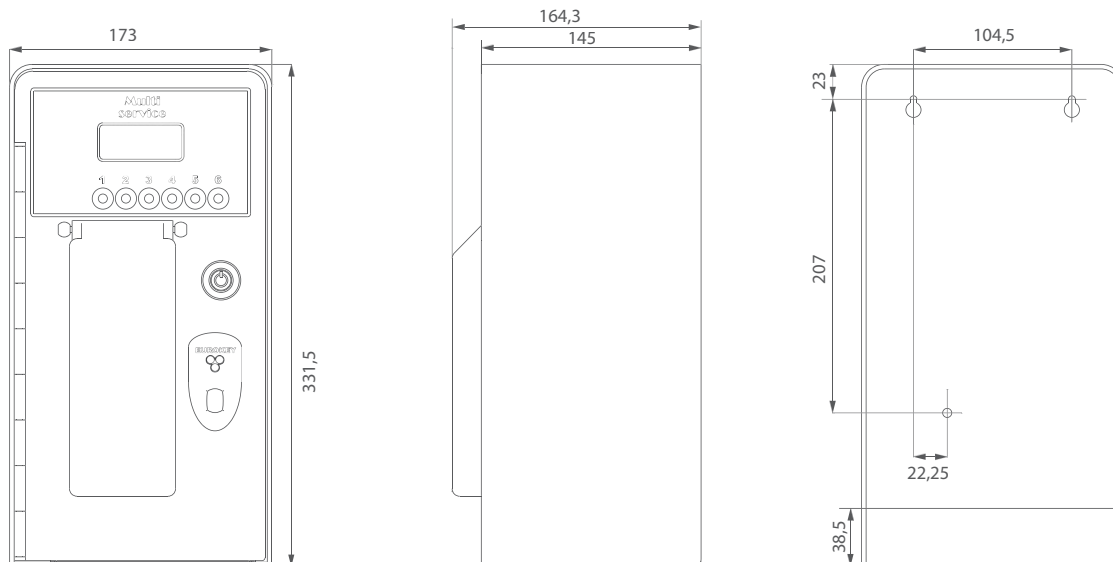
It is equipped with the cashless system, which allows the use of all the advantages that a cashless system has to offer, such as customer loyalty, elimination of cash circulation and the use of a single payment system for various devices.



Features

- Automatic service activation upon coin insertion, or by means of the selection buttons.
- Additional credit can be inserted in order to continue with the selected service, if already activated.
- High thickness steel sheet, which is completely waterproof and treated to withstand all weather conditions.
- Minimal depth.
- High security lock.
- Rear cable outlets.
- Membrane service-activation keyboard with 6 selection buttons.
- 4-digit display.
- Internal on/off switch.
- Boards and electromechanical components assembled on a pivoting support in order to facilitate maintenance.

Technical Schematics



Note: Unit of measure: mm

Tools

Programmer

The portable tool for programming and configuration operations directly on-site.

If equipped with the appropriate software, it can be used for both RM5 Evolution and for EuroKey Plus.



Audit Box

Kit for audit data collection.



Download Area

Euro dataset files can be obtained free of charge from the download area at www.comestergroup.com.



Versions

- Standard with multi-price Parallel cashless system with transponder keys/cards.
- With cashless system and RM5 Evolution electronic coin validator.

Optional accessories

- Programmer
- Audit Box
- User keys

Related products

- Coin counters

Technical Specifications

Dimensions (LxHxW)	173 x 332 x 164 mm
Weight	8.5 kg
Installation	Wall mounted
Input voltage	
- Mains version	230 Vac ±10%
- Low voltage	18 ÷ 34 Vdc ± 10% or 12 ÷ 24 Vac ± 10%
Power consumption	40 W
Outputs	with relays, current capacity 4A at 230 Vdc

Coin Capacity

	0.50 €	1.00 €	2.00 €
Cash box	400	400	320

EasyService

Ideal for automating the payment of 1 or 2 time-set services

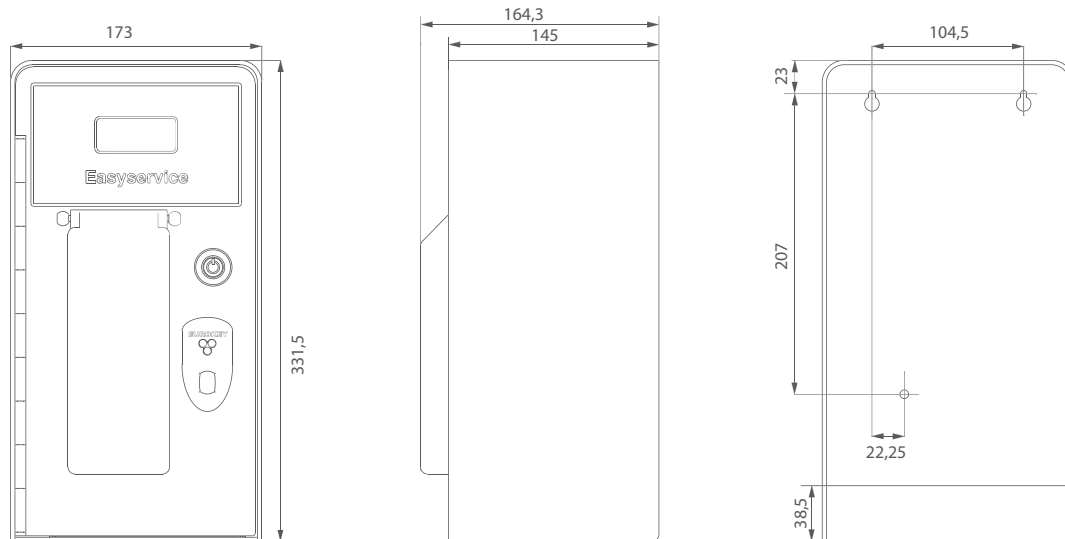
The sturdiness and protection offered by EasyService allow it to be used for any application, even in outdoor environments, such as service stations and tourism, sports and public service facilities. Compact and easy to use, the unit is particularly useful for the automation of existing manual structures. It is available in 2 versions, with a B400 coin mechanism or with an RM5 HD T electronic coin validator, for managing up to 2 services with sequential or independent timing. The service can be activated directly when the credit is reached, using the selection button, which also allows the user to temporarily pause the program if necessary.



Features

- High thickness steel sheet, which is completely waterproof and treated to withstand all weather conditions.
- High security lock.
- Minimal depth.
- Rear cable outlets.
- Membrane service activation keyboard.
- Boards and electromechanical components assembled on a pivoting support in order to facilitate maintenance.
- 4-digit display.
- Internal on/off switch.
- Display for viewing credit and remaining time.

Technical Schematics



Note: Unit of measure: mm

Functions

With the B400 coin mechanism

- It can control 1 service with a maximum duration of 24 hours.
- Accepts 1 coin or token.
- The service can also be activated by means of an external button, which also allows the user to temporarily pause the program if necessary.
- The unit can emit an end of operation warning signal, whose time can be set at up to 1 hour and 30 minutes, even on-site.
- Additional credit, in multiples of the base price, can be inserted in order to continue with the selected service.
- Any residual credit will be stored in the memory for subsequent operations.
- The unit can be programmed by means of the button on the board.

With the RM5 HDT electronic coin validator

- The use of the electronic coin validator allows for increased coin recognition performance and multicoin acceptance.
- It can manage up to 2 different types of services.
- Based on the unit's configuration, service activation can be carried out automatically (once the required credit has been reached).
- In case of automatic service activation, the buttons can be used to set the main configuration parameters.
- It can be programmed with all coins in circulation.
- Additional credit in coins or in tokens, in multiples of the base price, can be accumulated.
- The unit can emit an end of operation warning signal, whose time can even be set on-site (only single totaliser version).

Installed peripherals

- B400 coin mechanism or RM5 HDT electronic coin validator
- TDM 924-2 timer display kit

Related products

- Wide range of tokens
- Coin counters

Technical Specifications

	Model with B400 coin mechanism	Model with RM5 HD T electronic coin validator
Dimensions (LxHxW)	173 x 332 x 164 mm	173 x 332 x 164 mm
Weight	8.5 kg	8.5 kg
Installation	Wall mounted	Wall mounted
Input voltage		
- Mains version	230 Vac ±10%	230 Vac ±10%
- Low voltage	18 ÷ 28 Vdc ± 10% or 12 ÷ 18 Vac ± 10%	12 ÷ 24 Vdc ± 10% or 12 ÷ 24 Vac ± 10%
Power consumption	2 W	16 W
Outputs	with relays, current capacity 2A at 30 Vdc	with relays, current capacity 2A at 230 Vdc or 0.5 A at 125 Vac

Coin Capacity

	0.50 €	1.00 €	2.00 €
Cash box	400	400	320

Blue Box, Grey Box, D.A. Box and Koro Box

The custom-made solution for automating dispensers and O.C.S.

Wide range of boxes specifically designed to automatise dispensers and O.C.S. already on the market. D.A. Box and Koro Box were designed for Saeco machines and Necta dispensers. The range will grow further, with the introduction of new custom-made models to adapt to the design features and the details of any type of machine. These control systems enable the sales of products or services to be made through the use of self-service payment systems. Compact, robust and elegant, they are available in various colours, for fitting easily in any environment. They are extremely simple to install and can be supplied pre-assembled and pre-wired, with or without a display.



Tools

Clone 5: software for RM5 coin validator programming and diagnostics.

Download Area: dataset files can be obtained free of charge at www.comestero-group.com.

MultiConfig: software for programming the cashless system.

Audit Box: device for collecting the accounting data from the cashless system.

Programmer: tool for programming RM5 coin validators and cashless systems directly on-site.

Traco: kit for changing the settings of the Programmer.

Technical Specifications

	Blue Box	Grey Box
Dimensions (LxHxW)	92 x 350 x 180 mm	92 x 320 x 180 mm
Weight	2 kg	2 kg
Power supply	230 Vac +/-10%	230 Vac +/-10%
Current consumption	50 mA at 230 Vac	50 mA at 230 Vac
Installation	With 3 self-threading screws	With 3 self-threading screws
Input voltage	100 ÷ 230 Vac ± 10% at 50/60 Hz	100 ÷ 230 Vac ± 10% at 50/60 Hz
Outputs	with relays, maximum current capacity 5A at 230 Vac	with relays, maximum current capacity 5A at 230 Vac

Blue Box and Grey Box

Features

- They accept up to 6 different coins or tokens and can manage 1 sale price.
- All the transactions performed are stored in the memory. With the key system installed, it is possible to count the coins inserted, the total amount charged to user keys, purchases carried out with keys and those with cash.
- Left hand side opening for the Blue Box unit and right hand side opening for the Grey Box.
- Available in blue or grey.

Versions

- Standard with RM5 Evolution electronic coin validator.
- With Parallel cashless system with transponder keys/cards alone or in combination with the electronic coin validator.

Related products

- Coin counters
- User keys

Optional accessories

- RM925 board
- RM924 display
- F1 front plate
- Programmer
- Audit Box
- Traco
- Clone 5



Technical Specifications

Dimensions (LxHxW)	115 x 275 x 155 mm
Weight	2 kg
Power supply	230 Vac +/-10%
Current consumption	50 mA at 230 Vac
Installation	With 3 self-threading screws
Input voltage	100 ÷ 230 Vac ± 10% at 50/60 Hz
Outputs	with relays, maximum current capacity 5A at 230 Vac

D.A. Box

Features

- It accepts up to 6 different coins or tokens and can manage 1 sale price.
- All the sales performed are stored in the memory. Multiple-sales and change-giving functions are also available.
- Left or right hand side opening.
- Available in black and white.

Versions

- Standard with the RM5 Evolution electronic coin validator, RM925 board, RM924 display and F6 front plate.
- With the B400 coin mechanism, for the acceptance of a single type of coin.

Optional accessories

- Clone 5
- Programmer

Tools

Clone 5: software for RM5 coin validator programming and diagnostics.
Programmer: tool for programming RM5 coin validators directly on-site.
Download Area: dataset files can be obtained free of charge at www.comestergroup.com.

Related products

- Wide range of tokens
- Coin counters



Technical Specifications

Dimensions (LxHxW)	72 x 445 x 289 mm
Weight	2 kg
Installation	On special pre-set guide

Koro Box

Features

- It accepts up to 6 different coins or tokens and can manage 1 sale price.
- Grey structural work with a front lock.
- Sliding opening, along a guide rail.

Installed peripherals

- RM5 Evolution electronic coin validator

Optional accessories

- Programmer
- Clone 5

Tools

Clone 5: software for RM5 coin validator programming and diagnostics.
Programmer: tool for programming RM5 coin validators directly on-site.
Download Area: dataset files can be obtained free of charge at www.comestergroup.com.

Related products

- Coin counters

Box 1100

Easy to use and install, available with mechanical or electronic coin validator

Box 1100 is a control system equipped with a coin validator for coin or token operation. It is designed for the timed control of internal applications such as vacuum cleaners, washing machines, showers, televisions and sunbeds.

It is equipped with a display for viewing the credit and the remaining time: an acoustic and visual warning signal indicates when the time is about to expire.



Features

With the RM5 electronic coin validator

- It accepts all types of pre-programmed coins or tokens, it sums the cashed-in values and, by means of a built-in timer, it provides a timed contact whose duration ranges between 1 second and 18 hours.
- Output contact relay for low consumption (2 A at 220 V).
- The service price can be easily programmed using the RM5 Programmer.
- Warning contact, which signals when the credited time is about to expire by directly activating a light or siren.
- Double differentiated lock for the cash collection drawer and the technical compartment.
- Standard anthracite colour.

With the coin mechanism

- Accepts a coin or a grooved token.
- Normally supplied with a dip-switch, a timer which can be regulated from 1 to 128 minutes for 24 Vac or 220 Vac voltages.
- Output contact relay for low consumption (2 A at 220 V).



Note: Unit of measure: mm

Versions

- With RM5 electronic coin validator and display
- With coin mechanism

Related products

- Wide range of tokens
- Coin counters



Display of remaining credit or time



Dedicated coin drawer lock

Technical Specifications

Dimensions (LxHxW)	153 x 330 x 180 mm
Weight	3.5 kg (without peripherals)
Power supply	230 Vac \pm 10%; 24 Vac \pm 10%
Current consumption	50 mA at 230 Vac
Installation	Wall mounted or recessed
Input voltage	100 ÷ 230 Vac \pm 10% at 50/60 Hz
Input filtering	< 20 mS
Outputs	With relays, with electronic coin validator: current capacity 5 A at 230 Vac With relays, with coin mechanism: 3 A at 230 Vdc

Electronic boards

A wide range to satisfy all modularity demands

These boards facilitate the use of coin and banknote validators in their various sectors of use and allow to combine them with other types of payment systems, such as cashless systems.



RM 925

Features

- It interfaces the RM5 electronic coin validator or the cashless system with transponder keys/cards, parallel single-price version, with electro-mechanical equipment.
- Ideal for automating service payments.
- Provides the power supply for the coin validator or the cashless system, as well as for the display (if any).
- It is equipped with two relay outputs: a third relay is available as an option to control an external service.
- Available in different configurations according to the power supply and the coin validator model.

Related products

- Electronic coin validators
- Cashless systems



RM 926

Features

- Mainly used in the vending sector for an easier connection to banknote readers.
- It interfaces a banknote validator with 12Vdc power supply to 24Vdc equipment and a 16-pin connector(8x2), standard 24V.

Related products

- Banknote readers



RM 927

Features

- Facilitates the connection of a coin validator with credit pulse emission totaliser to any equipment.
- Equipped with a 5-pole terminal board for easy wiring operations or connection to a board.

Related products

- Electronic coin validators



MPS 1N

Features

- It interfaces electronic coin and banknote validators with Executive protocol machines.
- Manages an RM5 electronic coin validator in both parallel and binary versions.
- The prices can be managed directly by the MPS 1N board (Price holding mode), by the machine CPU (Executive mode) or by both (Standard Serial mode).

Related products

- Electronic coin validators
- Banknote readers



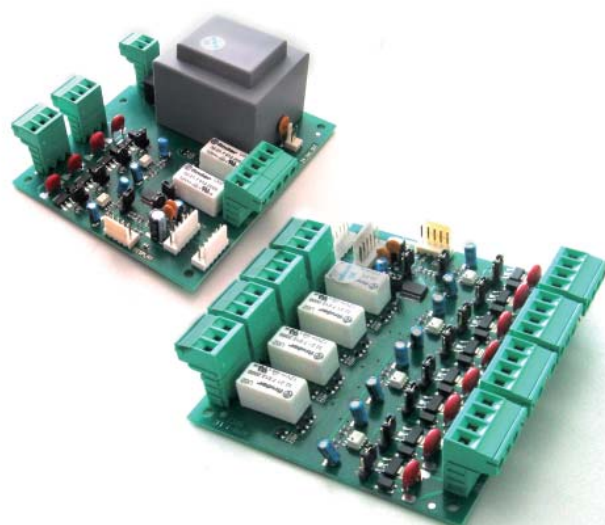
B 904

Features

- Timer for mechanical coin validators.
- Provides a time proportional to the number of inserted coins. Time can be set via the dip-switches on the board.
- Available in 2 different configurations according to the type of power supply: B 904/E1142/A at 220 or 24 V and B 904/E1131/E at 24 V.

Related products

- Coin mechanisms



KPD / KPM

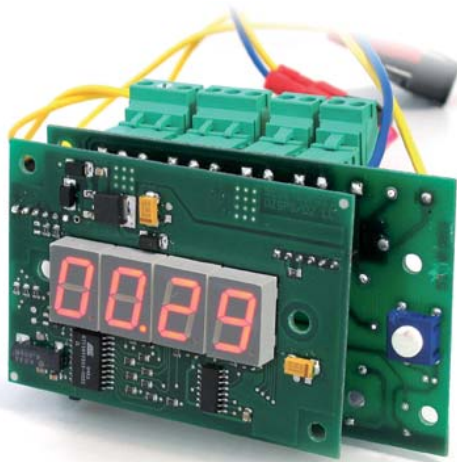
Features

- They manage 2 and 4 prices for cashless system in multi-price parallel version.
- They control the activation of machines in self-service laundrettes car washes, etc., or, in general, they manage 6 time-set services simultaneously (lighting, showers, etc.) with the cashless system with transponder keys/cards.
- It allows connecting an RM5 coin validator, for making payments or for recharging user keys, and an RM 924 display.

Related products

- Electronic coin validators
- Cashless systems
- RM 924 display
- PitPoint +

Electronic boards



Technical Specifications

Dimensions (LxHxW)	97 x 60 x 30 mm
Power supply	230 Vac or 12 ÷ 24 Vac or Vdc
Power consumption	2 W at 230 Vac
Input voltage	100 ÷ 230 Vac ± 10% at 50/60 Hz
Outputs	with relays, current capacity 3A at 230 Vdc
Input filtering	< 20mS

RM 924

Features

- A 4-digit display managed by an RM5 coin validator or by RM 925 boards (dedicated versions).
- It can also be managed by the parallel version of the cashless system or by the KPM and KPD multi-price boards.

Related products

- Electronic coin validators
- Cashless systems
- RM 925 boards
- KPM boards
- KPD boards

Kit TDM 924-2

Features

- Timer with a 4-digit display for activating time-set services through a connection to a coin mechanism.
- It consists of 2 electronic boards interfaced to each other via coupling connection.
- Programming is carried out by push button and is shown on the display along with time.
- The following parameters can be programmed:
 - service duration;
 - number of coins and/or tokens required;
 - "Start" button for activating the service;
 - "economy" function;
 - service expiry warning.
- Upon receiving the credit pulse, the board checks whether the predefined number of coins and/or tokens has been reached and activates the service relay. Once the set time has expired, the relay is deactivated.
- If the "Start" button is pressed after the service has been activated, the "economy" function will temporarily interrupt the service, without consuming credited time, and will only re-activate it once the button is pressed again.
- Ideal for applications which require discreet display lighting at reduced costs.

Related products

- Coin mechanisms



Technical Specifications

Dimensions (LxHxW)	113 x 68 mm
Power supply	12 Vdc
Current consumption	with RM5 or Cashless system: 500 mA with NV9/NV10: 1.5 A with NV9/NV10 + RM5: 2 A

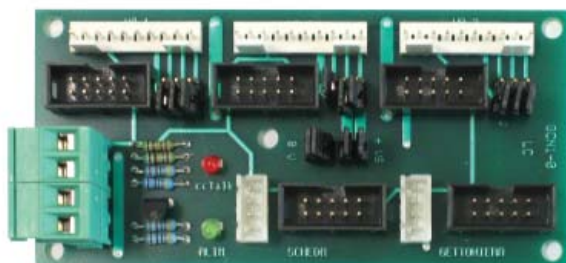
USB Kit

Features

- The kit consists of 1 board and 1 USB cable and allows connecting an RM5 coin validator, a cashless system with transponder keys/cards and a banknote reader directly to a PC.
- The direct USB connection allows connecting the payment systems to the computer without the need for any additional adaptors.
- It allows for the simultaneous connection of an RM5 coin validator and a banknote reader.
- It can control 2 different meters for determining the cash intake (through independent relay outputs).

Related products

- RM5 electronic coin validator
- Cashless system with transponder keys/cards
- NV9 banknote reader
- NV10 banknote reader



HUB ccTalk

Features

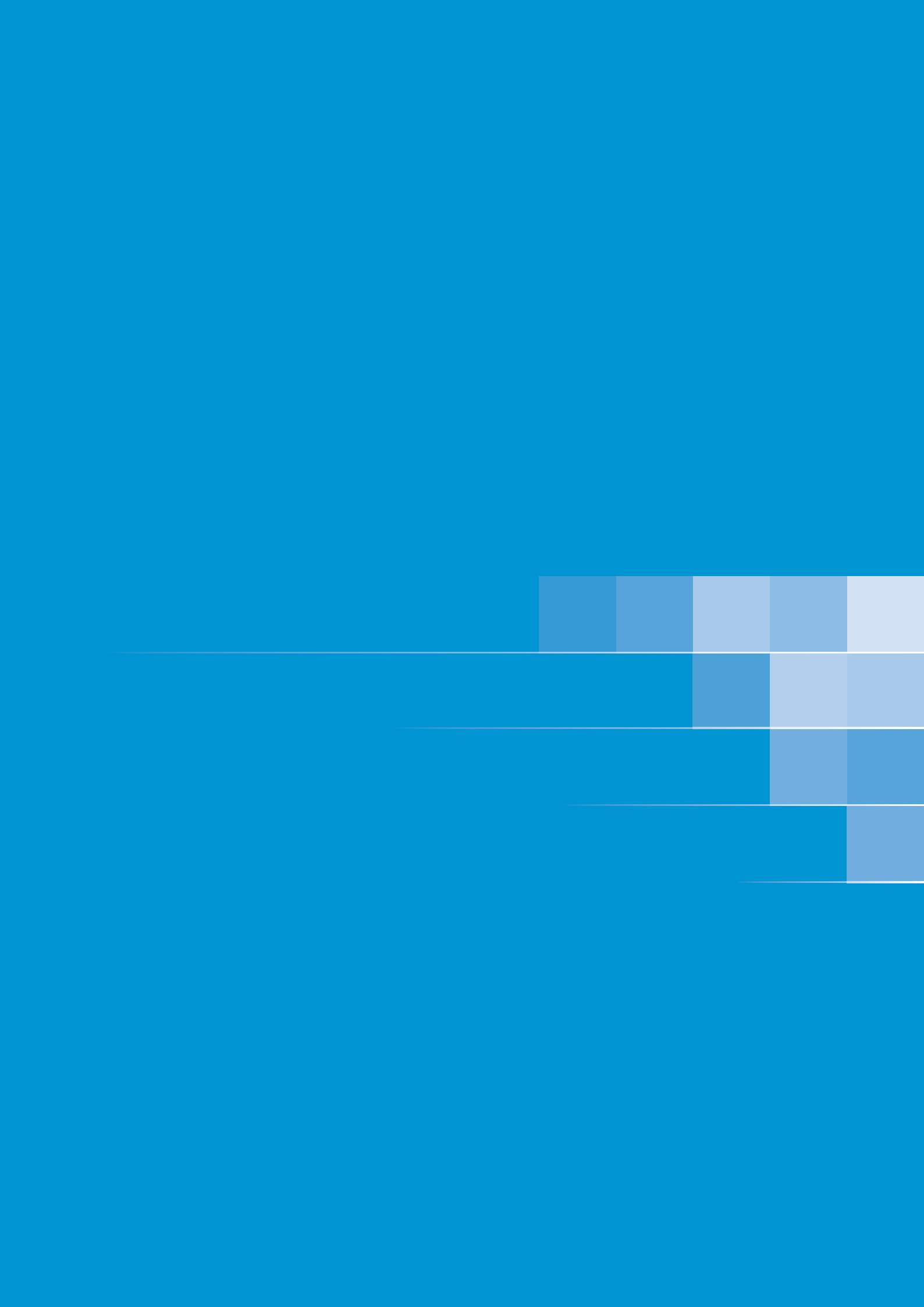
- Simplifies the wiring between the peripherals and a gaming machine like board or PC: it verifies the correct operation of the equipment during use and promotes the proper distribution of the loads deriving from the consumption of the hoppers.
- Allows for the hopper addresses to be configured by simply moving the inserted jumpers, without having to perform the same operation on the dispensers.
- The installed LEDs indicate whether the device is properly powered and whether it is receiving data, thereby simplifying inspections and troubleshooting.
- Allows connecting the components of a machine with ccTalk peripherals: coin validator, banknote reader, hopper and/or power supply.

Versions

- Complete: extremely versatile, since it provides for various connectors to be connected to.
- Reduced: provides for two in-line hopper connectors, as commonly required on the market.

Related products

- Electronic coin validators
- Hoppers



Coin/banknote counters

Devices for counting coins and banknotes, even directly at the place of withdrawal. Some models can be configured to stop at a set quantity in order to allow for fixed lots to be counted. They feature excellent reliability and high counting speed.

- Mach 6
- Mach 3
- 401
- PRC 410
- PRC 320
- PRC 310
- Happy Counter
- Ntegra
- Nvision
- Siclo F2
- CV1100
- C930
- 9001
- Easy Control

Mach 6

Maximum performance and reliability

Mach 6 can count and sort up to 8 different types of coins at an enviable speed: up to 3,000 coins per minute. Practical and compact, it is the ideal solution for anyone who needs to count and sort large amounts of coins, in a small space.

It allows you to set programmed quantity stops to create coin bags. It has an LCD display, alphanumeric keyboard and a practical transport handle and RS232 and USB connectivity. With the addition of the coin detection option, utilising patented Wave sensor technology, the Mach 6 becomes the ideal machine to assist the rejection of intrusive or counterfeit coins.

It has a specific function also for counting banknotes: the amount can be entered manually or automatically transferred if a note counter is interfaced. When the coin counting service is offered to the final user, it allows the application of a price for the transaction, both as a quantity of coins and a fixed percentage.



Features

- Compact size.
- High counting speed: up to 3,000 coins per minute.
- Optional patented WAVE sensor technology.
- Alphanumeric display for easier use.
- MICS option (Management Information Control System) for counting any banknotes and cheques.
- 2 RS232 and 1 USB ports.

Optional accessories

- Drawer kit: drawers (capacity: 1,000 coins) for collecting coins
- Bagging kit: support for bags, hooks for bags, bags for collecting coins
- Printer
- Support bases
- Wave® patented sensor for recognising counterfeit coins

Related products

- Change machines
- Coin validators



Support base

LCD display and alphanumeric keyboard

Optional printer

Technical Specifications

Dimensions (LxHxW)	425 x 288 x 552 mm
Weight	21.4 kg
Power supply	90 ÷ 264 VAC @ 50/60 Hz
Power consumption	140 W
Speed	up to 3,000 coins per minute
Coin diameter accepted	15.0 ÷ 32.4 mm
Coin thickness accepted	1.0 ÷ 3.0 mm
Sorting options	up to 8 types of coins

Mach 3

Versatile and compact as your business requires

Mach 3 is a versatile and efficient coin counter/sorter. Small and compact, it simplifies coin counting thanks to its high speed - up to 1,500 pieces per minute - and the option to sort up to 6 different types of coins. It allows you to set programmed quantity stops to create coin bags.

It has an LCD display, alphanumeric keyboard and a practical transport handle and RS232 and USB connectivity.



Features

- Compact size.
- Wide coin loading surface to prevent jams.
- Customisable coin containers.
- Back-lit display for easier use.
- RS232 and USB ports for connection to optional printers, PC and remote displays.

Optional accessories

- Drawer kit: large drawers (capacity: 1,000 coins) and small drawers (capacity: 500 coins) for collecting coins
- Bag kit: support for bags, hooks for bags, bags for collecting coins
- Printer
- External display
- Carrying bag/cover

Related products

- Change machines
- Coin validators
- Nvision note counter/sorter

Technical Specifications

Dimensions (LxHxW)	229 x 279 x 390 mm
Weight	8.5 kg
Power supply	90 ÷ 264 VAC @ 50/60 Hz
Power consumption	264 W
Speed	up to 1,500 coins per minute
Coins accepted	Ø 15.0 ÷ 32.4 mm; thickness 1.0 ÷ 3.0 mm
Sorting options	up to 6 types of coins

Ideal for the on-site counting and sorting of up to 4 different coin denominations

Compact and portable coin sorter with an interactive graphic display, which makes it easy to use. Equipped with 4 outlet tubes for counting and sorting 20c, 50c, 1€ and 2€ coins.

Other coins are sent to a common outlet, but are counted separately based on their size.

Versions with 5/7/8 outlets are also available with an additional loading device.



Features

- Special function for counting banknotes as well, and adding them to the total of the coins.
- Permanent memory which stores the data referring to the counting operations, even if the machine is turned off.
- A stop can be defined for each outlet upon reaching the set amount, which allows creating bags/rolls of standard values. The unit can manage up to 99 different users and calculate their total sum.
- Optional RS 232 interface and printer for transferring the counting data to a PC in order to process them through specific management software so as to have an overall summary of the operations and print the final results.
- The unit can be equipped with a rechargeable battery which guarantees autonomy of 2 hours.

Optional accessories

- On-board printer
- RS 232 serial interface
- Device for inserting coins into the tubular containers
- Single collection container with or without metal coupling
- Lateral arm complete with single or double display
- Version with rechargeable battery
- Carrying bag
- Machine support trolley

Related products

- Change machines
- Coin validators

Technical Specifications

Dimensions (LxHxW)	240 x 300 x 390 mm
Weight	7.5 kg
Power supply	110 ÷ 230 Vac - 50/60 Hz
Current consumption	3 A
Power consumption	80 W
Operating temperature	-10°C ÷ 60°C
Counting speed	1,200 coins/minute
Coins accepted	Ø 20 ÷ 28 mm, thickness 1.5 ÷ 3 mm
Load capacity	300 mixed coins

PRC range

State-of-the-art in counting

The range of PRC sorters is complete, reliable and extremely secure thanks to the most advanced counterfeit validation controls.

The range comprises three models capable of meeting the most disparate needs.

PRC 310 is the most secure and robust solution; PRC 320 is a guarantee of security for sorting all the 2€ to 5c coins. Finally, PRC 410 offers the reliability of the PRC series combined with the advantages of an integrated printer.

Thanks to its 6 trays + reject, the PRC range is ideal to count and sort large quantities of coins with ease.



PRC 410

Features

- 6 drawers + Reject, to count and sort large amounts of all coins from 2€ to 5c.
- Equipped with alloy control, reject tray and integrated printer.
- High level of security during operation.
- It allows you to set programmed quantity stops for each output to create coin bags.
- Practical coin collection drawers.

Optional accessories

- Bag holders for coin collection
- Version with bag holders instead of collection trays

Related products

- Change machines
- Coin validators

Technical Specifications

Dimensions (LxHxW)	820 x 455 x 360 mm
Weight	59 kg
Speed	2,800 coins per minute
Coins accepted	Ø 16.3 ÷ 25.7 mm; thickness 1.6 ÷ 2.2 mm
Sorting options	up to 6 coin types (from 2€ to 5c)
Hopper capacity	12,000 coins
Power supply	230V/60 Hz
Power consumption	300 W
Printer	integrated



Optional accessories

- Bag holders for coin collection
- Version with bag holders instead of collection trays
- Printer

Related products

- Change machines
- Coin validators

PRC 320

Features

- 6 drawers + Reject, to count and sort all coins from 2€ to 5c.
- Equipped with alloy control and reject tray for unrecognised coins.
- High level of security during operation.
- It allows you to set programmed quantity stops for each output to create coin bags.
- RS232 serial port to connect with an external printer (optional).
- Practical coin collection drawers.

Technical Specifications

Dimensions (LxHxW)	580 x 420 x 300 mm
Weight	28 kg
Speed	up to 600 coins per minute
Coins accepted	Ø 16.3 ÷ 25.7 mm; thickness 1.6 ÷ 2.2 mm
Sorting options	up to 6 coin types (from 2€ to 5c)
Hopper capacity	600 coins
Power supply	230v/60 Hz
Power consumption	380 W



Optional accessories

- Bag holders for coin collection
- Version with bag holders instead of collection trays

Related products

- Change machines
- Coin validators

PRC 310

Features

- 6 drawers to recognise and sort all coins from 2€ to 5c.
- Without alloy control.
- Extraordinary speed of 600 coins per minute.
- Practical coin collection drawers.

Technical Specifications

Dimensions (LxHxW)	318 x 480 x 280 mm
Weight	23 kg
Speed	up to 600 coins per minute
Coins accepted	Ø 16.3 ÷ 25.7 mm; thickness 1.6 ÷ 2.2 mm
Sorting options	up to 6 coin types (from 2€ to 5c)
Hopper capacity	600 coins
Power supply	230v/60 Hz
Power consumption	380 W

Happy Counter

The new high-speed multicoin counter with an LCD display

Happy Counter is a portable countertop coin counter, that is versatile and fast, designed to meet the needs of bar operators with newslot and small and medium-sized cash processing environments. Its basic features make it easy to use. The “start/stop” button allows the user to start and interrupt counting operations, while the “reset” button resets the value shown on the double display. A basic version is also available: practical and compact, with no external metal casing and with one single display. Both versions are available in two variations: multicoin coin counter and value counter. The coin counter version counts the number of coins inserted; the value counter version counts the Euro value of the coins inserted and also quickly counts and sorts a pre-selected coin.



Features

- Ease of use.
- Coin selection function (with the possibility of specifying the coin to be selected).
- High counting speed: 5 coins per second.
- Double LCD display (only Box version).
- Start/stop button.
- Reset button.

Related products

- Change machines
- Coin validators

Versions

- Box version - standard multicoin
- Box version - single-coin
- Basic version - standard multicoin
- Basic version - single-coin

Optional accessories

- Coin/token collection cups

Technical Specifications

	Basic version	Box version
Dimensions (LxHxW)	156 x 208 x 154 mm	187 x 200 x 326.5 mm
Weight	900 g	1,600 g
Power supply	230V	230V
Operating temperature	0°C ÷ 50°C	0°C ÷ 50°C
Coins accepted	from € 0.10 to € 2	from € 0.10 to € 2
Speed	up to 5 coins per second	up to 5 coins per second

Ntegra

A single solution for managing banknotes and tickets

Ntegra is a superior performance, compact and robust banknote counter and sorter. Despite its reduced size, it can automate and simplify counting operations in all desktop processing environments, especially medium to large ones. It guarantees a high level of security during operation, thanks to the most advanced anti-counterfeit controls.

It is equipped with a large colour LCD display, graphics user interface and multi-language instructions: these characteristics make it extremely simple and intuitive to use.

It can be equipped with a TITO peripheral for managing tickets and, according to choice, Ez pay or E MCC Bally interface. Other protocols for gaming platforms are available upon request. With the TITO option, Ntegra sorts the banknotes from the tickets and separately counts the value of the tickets.



Features

- Advanced anti-counterfeit controls.
- LCD colour display, graphics interface and multi-language instructions.
- High counting speed: 1,000 banknotes per minute.
- Various operating modes including counting, authentication, orientation, facing and multi-currency.
- RS232 interface for connection to a PC.

Optional accessories

- TITO peripheral for ticket management
- USB and LAN connections
- Integrated printer
- Additional display
- Fitness sorting function

Related products

- Counterfeit banknote detector TOP 1802
- Banknote readers

Technical Specifications

Dimensions (LxHxW)	311 x 302 x 319 mm
Weight	13 kg
Power supply	100 – 240 VAC - 50/60 HZ
Power consumption	140 W
Counting speed	800 - 1,000 banknotes per minute

Nvision

Continuous and uninterrupted note processing

Reliable and robust, Nvision is a banknote sorter and validator designed for continuous and uninterrupted use.

It is equipped with 5 different access passwords, to allow 5 different operators to use the machine with maximum security. The customisable, intuitive, multi-language interface makes all counting operations extremely simple and fast.



Features

- High counting speed.
- “Multi User” capability for saving up to 5 user configurations on the same machine, each protected by a password.
- Customisable multi-language menu
- RS232 interface for connection to a PC.

Optional accessories

- Additional display

Related products

- Counterfeit banknote detector TOP 1802
- Banknote readers
- Mach 6 coin counter/sorter

Technical Specifications

Dimensions (LxHxW)	420 x 470x 375 mm
Weight	22 kg
Power supply	98 – 264 VAC, 50/60 HZ
Power consumption	575 W
Counting speed	600 - 1,000 banknotes per minute

Banknote counters

Siclo F2

Ideal for large amounts of banknotes

Siclo F2 guarantees a high level of security during operation, thanks to the advanced anti-counterfeit controls. It has a touch screen and numerous functions: validation of mixed stacks, counting, fitness sorting, orientation.

Features

- 2 RS232 ports for connection to PC, printer and display.
- High counting speed: 600/800 banknotes per minute, in all functions.
- Wide colour touch screen display.

Technical Specifications

Dimensions (LxHxW)	550 x 460 x 340 mm
Weight	34 kg
Power supply	220 V, 50 Hz
Counting speed	600 - 800 banknotes per minute

Counterfeit detection

- Ultraviolet sensors (UV)
- Infrared pattern (IR)
- Thread control (TH)
- Thickness and tape control

Related products

- Counterfeit banknote detector TOP 1802
- Banknote readers



Banknote counters

CV1100

BCE certified security

Banknote counter/validator that can count all Euro banknotes, in mixed stacks, at speeds of up to 800 banknotes per minute. The synchronisation of the stacker allows for suspected-counterfeit or unrecognisable banknotes to be separated, while the spacing control system prevents the notes from overlapping.

Features

- High levels of security during operation, guaranteed by BCE Framework certification for ATM loading and fitness sorting.
- Equipped with 2 serial ports for connection to an external display and printer (available upon request) or a PC.

Technical Specifications

Dimensions (LxHxW)	350 x 240 x 230 mm
Weight	6 kg
Power supply	230VAC@50HZ
Counting speed	800 banknotes per minute

Counterfeit detection

- Magnetic pattern (MG)
- Infrared pattern (IR)
- Thread control (TH)
- Banknote spectrometric and size analysis

Related products

- Counterfeit banknote detector TOP 1802
- Banknote readers



C930

Equipped with enhanced counterfeit detection

Practical and compact, it guarantees high levels of security during operation, guaranteed by the BCE "Devices" certification.

Allows counting fixed lots of 10 – 20 – 25 – 50 – 100 pieces or else variable lots which can be configured individually, and displaying the total deposit.

It is available in 2 different versions, which can be distinguished by the types of anti-counterfeit verifications: C930 UVMG and C930 FULL.



Features

- C930 UVMG version. Equipped with UV sensors and magnetic pattern.
- C930 FULL version. Equipped with enhanced counterfeit detection.
- High levels of operational security, guaranteed by the BCE "Devices" certification.
- RS232 on-board.
- Option to validate mixed stacks through image recognition.
- Alphanumeric keyboard.
- Practical transport handle.

Related products

- Counterfeit banknote detector TOP 1802
- Banknote readers

Counterfeit detection

	C930 UVMG	C930 FULL
Ultraviolet sensors (UV)	•	•
Magnetic pattern (MG)	•	•
Thread control (TH)	•	•
Infrared pattern (IR)		•
Height analysis (2D)	•	•
Three-dimensional analysis (3D)		•

Technical Specifications

Dimensions (LxHxW)	280 x 310 x 260 mm
Weight	7.5 kg
Power supply	230VAC@50HZ
Counting speed	up to 1,600 banknotes per minute

Banknote counters

9001

Efficient and quick, like an operator

Offers enviable security during operation at a decisively competitive price. Allows counting fixed lots of 10 – 20 – 25 – 50 – 100 pieces or else variable lots which can be configured individually, and displaying the total deposit. It is equipped with three different counting speeds. It can be easily transported thanks to its compact size and practical folding handle.



Related products

- Counterfeit banknote detector TOP 1802
- Banknote readers

Technical Specifications

Dimensions (LxHxW)	260 x 245 x 255 mm
Weight	5 kg
Power supply	220 V / 50 Hz
Counting speed	up to 1,600 banknotes per minute

Features

- 3 different counting speeds: 700 - 1,000 - 1,600 banknotes/minute.
- Automatic or manual start.
- Alphanumeric keyboard.
- Practical folding transport handle.
- Controls performed on the banknotes: height, half banknote, double and thickness.

Counterfeit note detectors

Easy Control

Portable device suitable for euro and sterling

Practical and compact, it validates euro or sterling banknotes at high speed.



Related products

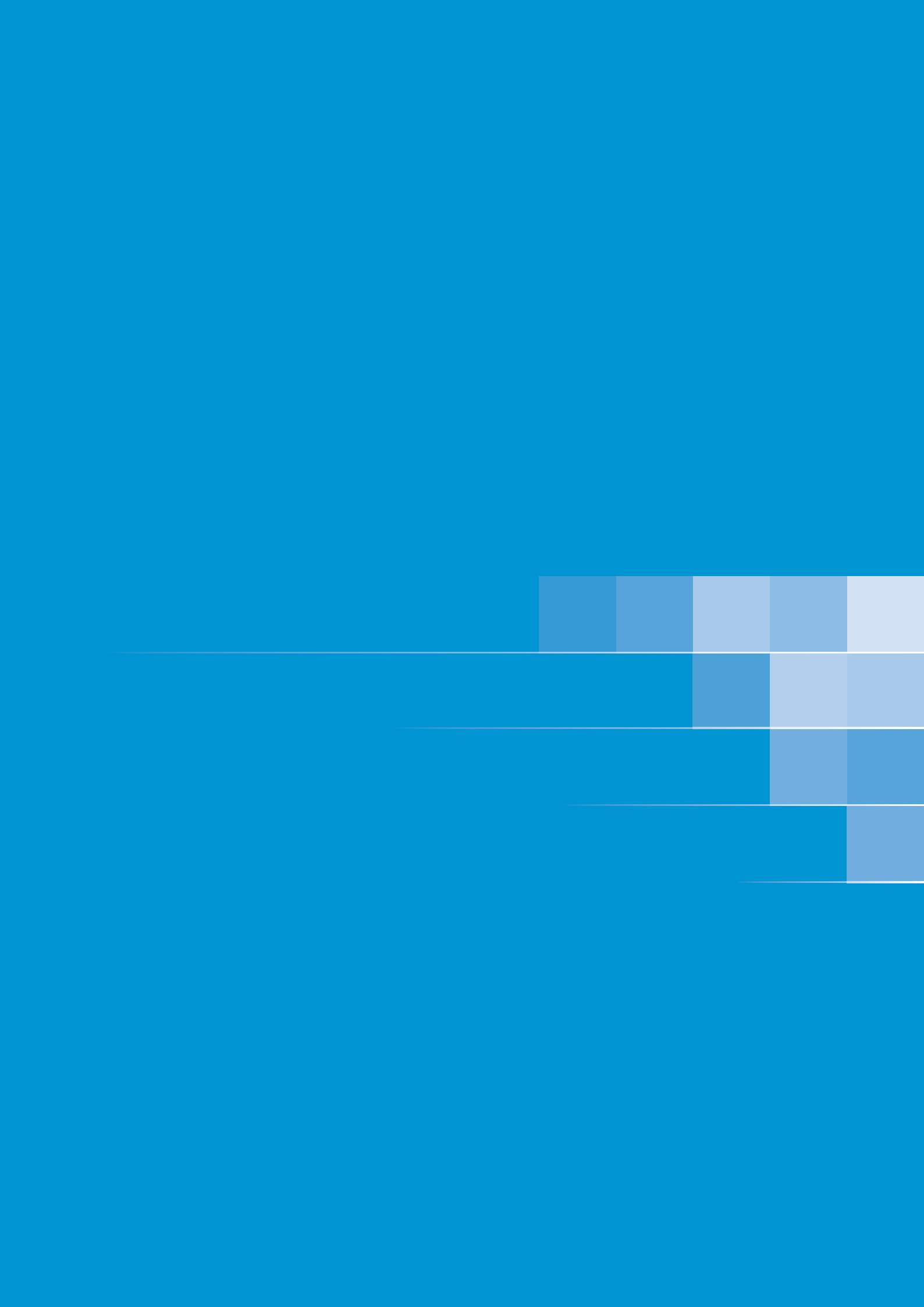
- Banknote counters
- Banknote readers

Technical Specifications

Dimensions (LxHxW)	220 x 120 x 78 mm
Weight	0,75 Kg
Power supply	100-240 Volt
Speed	0,5 sec.

Features

- Modern design
- Rechargeable battery (included)
- High validation speed : 0,5 sec.
- Enhanced counterfeit detection
- Colour : Black and Silver
- Software to be updated online



Accessories

Comestergroup integrates and completes its product line with a wide range of accessories: high security locks, coin entries, tokens which can be customised with the company logo and components that meet any customer requirement.

- Locks
- Coin Entries
- Tokens
- Pushbuttons
- Toppers
- Towerlights
- Components

Locks

Reprogrammable series

The new "Reprogrammable" range allows for customers to choose their own combination and to modify it, whenever necessary, with a simple gesture.

It also offers a clear advantage: it allows the operator to program all the machines in the same way, without needing to use a different lock for each machine.



RP

Features

- 9,791 actual combinations.
- Chrome-plated zinc alloy lock, available in the camlock or T-handle versions.
- Brass programming keys and nickel-silver user keys. Reversible keys with double inner bitting (supplied separately).
- Security collar available upon request.
- Programming upon first use:
 - the lock is supplied in its neutral position (45° anti-clockwise);
 - insert the programming key and turn it 45° clockwise. At this point the lock has been programmed;
 - insert the user key to operate the lock.
- Reprogramming:
 - use the key with which the lock was initially programmed to turn the lock to its neutral position (45° anti-clockwise). Remove the key when finished;
 - insert a programming key with a different combination and turn it 45° clockwise. At this point the lock has been programmed with a new combination;
 - insert the user key with the new combination to operate the lock.
- It can be installed on some change machine and car wash start system models.

Key operated switches series

The key operated switches allow activating low voltage electric equipment or auxiliary circuits through the creation of an electrical contact.



EG

Features

- 380 possible combinations.
- Flat keys in nickel-plated brass.
- Numbered housing with stainless steel cap and silver plated contacts.
- Maximum voltage: 24 V.
- Power supply: 1 A.

G series

The G range is characterised by its robust materials and is particularly suitable for outdoor environments, thanks to its high degree of protection against dust and water jets (IP54).



G10

Features

- Opposed tumbler lock with 15,000 actual combinations.
- Cylinder length of 22.5 mm, with stainless steel cap and drill-resistant plate.
- Flat, numbered, reversible keys made of nickel-plated brass, with double inner bitting.
- Protection rating: IP54 (against dust and water jets).



G8

Features

- Opposed tumbler lock with 2,000 actual combinations.
- Cylinder length of 20 mm, with stainless steel cap and dust cover.
- Flat, numbered, reversible keys made of nickel-plated brass, with double inner bitting.
- Protection rating: IP54 (against dust and water jets).
- Keys available under master keys of various typologies.



G5

Features

- Tumbler lock with 400 actual combinations.
- Cylinder lengths ranging from 13 to 30 mm, with stainless steel cap and dust cover.
- Flat, numbered keys in zama or nickel-plated brass.

The removable cylinder series

The range with removable cylinders meets the needs of T-handle users, such as, automatic vending machine manufacturers.

SI2

Features

- Radial pin lock with 250,000 actual combinations.
- Removable cylinder, with drill-resistant central plug.
- Nickel-plated tubular keys.
- Possibility to reserve a confidential combination.



SI1

Features

- Tumbler lock with 400 actual combinations.
- Removable cylinder.
- Flat, numbered keys in zama or nickel-plated brass.



High security series

These locks are used in casinos all over the world for their extraordinary resistance, combined with their great ease of use.

Assa Desmo

Features

- Desmotronic inner bitting.
- 8-pin lock combined with two strong side bars.
- Practical and resistant flat keys in nickel-silver.
- Security collar.
- Cam: 32 mm (other dimensions upon request).
- RC version with removable core.



Venia

Features

- 14 pin system, 10 pins on the flat key side and 2 side pins on each side.
- Brass housing with high quality spindle and bright chrome finish.
- Practical and resistant flat keys in nickel-silver.
- Security collar.
- Cam: 32 mm (other dimensions upon request).



Coin Entries

For application on flat surfaces or with various inclinations

Devices in different colours and sizes for inserting the coins. Some models are equipped with lighting to attract more attention.



Coin entries for flat surfaces

RM/TOP/STDP

Standard coin entry for flat surfaces. Available in chrome or gold finish, with coin reject lever.

- Brackets for fastening to the coin validator support available for thicknesses between 1 and 5 mm or between 15 and 20 mm. Optional € 0.50 - € 1 - € 2 inscription.
- For door-bridge installation.

Related products

- Electronic coin validators
- Coin sorters



RM/TOP/ADJP

Adjoining coin entry flat surfaces. Available in chrome or gold, with coin reject lever.

- Brackets for fastening to the coin validator support available for thicknesses between 1 and 5 mm or between 15 and 20 mm. Optional € 0.50 - € 1 - € 2 inscription.
- Ideal for application on iron machine bodies.

Related products

- Electronic coin validators
- Coin sorters



RMILINT/SUP

Coin entry for flat surfaces. Available in black ABS, with coin reject button, in the lengths of 7-20-30 and 45 mm.

Related products

- Electronic coin validators
- Coin sorters



IL/TOP-A72361EU

Top coin entry for flat surfaces. Available in chrome plated steel, with coin reject button.

Related products

- Electronic coin validators
- Coin sorters

Coin entries for inclined surfaces



RM/TOP/INC30

Coin entry for surfaces with a 30° inclination. Available in chrome or gold finish, with coin reject lever.

- Brackets for fastening to the coin validator support available for thicknesses between 1 and 5 mm. Inscription € 0.50 - € 1 - € 2 available upon request.

Related products

- Electronic coin validators
- Coin sorters



IL/TOPC30°

Coin entry for surfaces with a 30° inclination. Available in black, chrome or gold finish, with a coin reject button and in lengths of 42.5 – 62.8 mm.

- Brackets for fastening to the coin validator support available for metal thicknesses between 1 and 5 mm.

Related products

- Electronic coin validators
- Coin sorters



TW/TOP30-A-42

Coin entry for surfaces with a 30° inclination. Made of die-cast material with a coin reject button and in lengths of 42.5 – 62.8 mm.

- Brackets for fastening to the coin validator support available for metal thicknesses between 1 and 5 mm.

Related products

- Electronic coin validators
- Coin sorters



TW/S-COINENTRYB

Standard coin entry for inclined surfaces. Solid and robust, it is made of chrome plated steel, with coin reject button. It accepts coins up to 3 mm thick.

Related products

- Electronic coin validators
- Coin sorters

Illuminated inclined coin entries



TW/N-COINLED 035

Coin entry for surfaces with a 15° inclination. It is available in chrome plated steel, with a coin reject button and luminous "COIN" inscription.

Related products

- Electronic coin validators
- Coin sorters



TW/C-COINENTRYFC

Cast metal coin entry for surfaces with a 30° inclination. Characterised by its sharp lines and catchy design. It is equipped with coin reject button, "COIN" inscription and colourful LEDs (single colour upon request).

Related products

- Electronic coin validators
- Coin sorters

Front coin entries

IL/TOPA724172(X)46G66L

the (X) in the code identifies the colour of the Halo

Front coin entry for back panel installation.

Can be combined with Comestergroup sorters with top coin entry, connection coin duct and reject motor. It is equipped with an electric reject button with Halo effect lit plate, and the inscription 0.10 € - 0.20 € - 0.50 € - 1 € - 2 €.

Available in blue. Other optional colours available.

IL/TOPA724172(5)46G66L



Available models

Panel colour	Code
Red	IL/TOPA724172146G66L
Yellow	IL/TOPA724172246G66L
Green	IL/TOPA724172346G66L
Orange	IL/TOPA724172446G66L
Blue	IL/TOPA724172546G66L
Transparent	IL/TOPA724172646G66L



Tokens

Extremely secure, made from special alloys and with wide customisation options

Over 70 different models, designed to guarantee perfect discrimination and selection, using only the best materials.

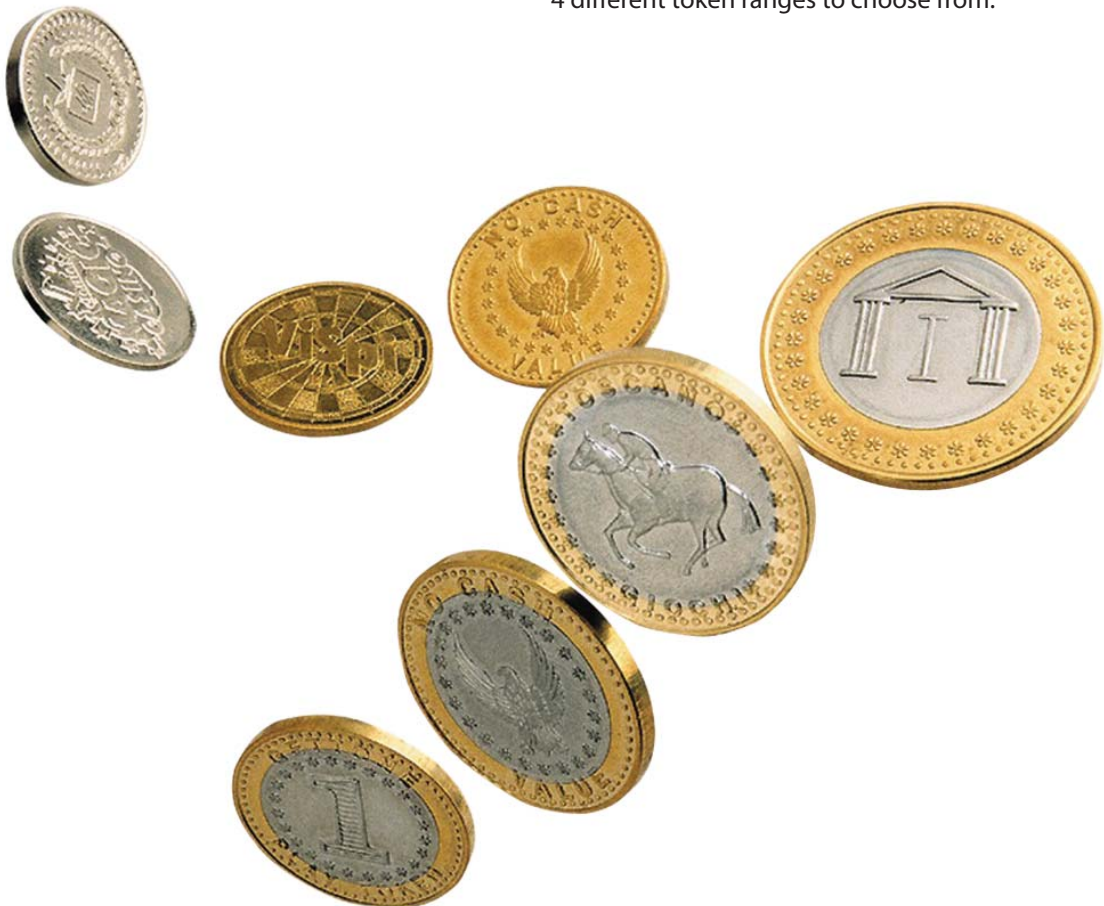
The monometallic and bimetallic tokens, made from special long lasting alloys, are designed for intensive use on machines with electronic coin validators.

The grooved tokens on the other hand, made from copper and nickel plated steel, are ideal for machines with mechanical coin validators: coin entry plates suited to each token are available for these applications.

What's more, each model can be customised by diameter, thickness and coining, in order to be truly distinctive while adding value to the customer's activity: upon request, tokens can be marked with a message or company logo, in relief or in negative, to make them even more prestigious.

Features

4 different token ranges to choose from.



Monometallic

- Particularly sturdy and wear-resistant thanks to the long-lasting materials with which they are made: brass alloy, nickel-silver, iron or zama.
- Diameter from 18 to 31 mm.



Bimetallic

- Consisting of a core and a copper alloy surrounding ring; the colour contrast creates an exclusive special effect.
- Diameter from 26 to 27 mm (other sizes upon request).



Grooved

- Made of iron or zama, they have one or more grooves on either the front or back.
- Diameter from 22 to 27.8 mm.



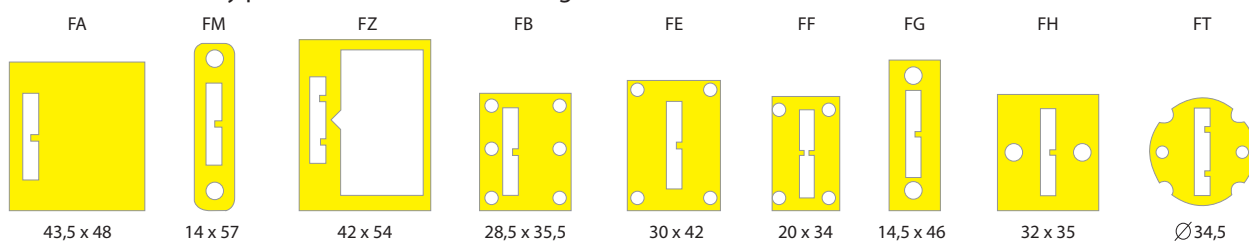
Themes

- There are 4 different graphic themes: zodiac, cars, historical monuments and African animals.



Coin entry covers

- Different coin entry plates are available according to the token to be inserted.



Related products

- Coin validators
- Coin/banknote/ticket change machines
- Car wash start systems
- Hoppers
- Coin/banknote counters

Pushbuttons

Absolutely modern design and very easy to install

The range includes various button models, to complete all types of gaming machines. They stand out due to their flat modern design, ease to install, with a bayonet coupling or Easy clip system and their light effects at the base.



SZ/26-1308-96

Small square button with chrome-plated steel plate and Halo effect lighting.

Installation with "Snap-Tab" or safety locking nut.

Lens colour
 Halo colour



SZ/26-1318-22

Large square button with chrome-plated steel plate and Halo effect lighting.

Installation with "Snap-Tab" or safety locking nut.

Lens colour
 Halo colour



SZ/26-1378-96

Large round button with chrome-plated steel plate and Halo effect lighting.

Installation with "Snap-Tab" or safety locking nut.

Lens colour
 Halo colour



P500/TWA0141SO

Convex square button with STOP inscription.

45° inclined microswitch.

Bayonet coupling.

Lens colour



P500/TWA0141

Convex square button.

Also available with the following indications: START - STOP - CHANGE.

45° inclined microswitch.

Bayonet coupling.

Lens colour



P500/A0127

Low-profile square button.

Also available with the following indications: START - STOP - CHANGE.

START - STOP - CHANGE.

Lens colour



P500/A013CA

Miniature square button with Halo effect at the base of the button.

Lens colour
 Halo colour



P500/A01C2A

Round button with Halo effect at the base of the button.

Easy clip coupling system.

Lens colour
 Halo colour

Toppers

Ideal for customising all gaming machines

Thanks to the catchy design and play of light, they attract attention and make the theme of gaming machines immediately recognisable. They are available with chrome-plated, black or or gold frames and are extremely easy to install thanks to their bases, available as an option.



Synchronized RGB Topper Box

ABS body.
Integrated PCB board for managing the light effects of a single topper or various toppers.
Seven pre-set light effect programs. Ultra bright LEDs for multicoloured plays of light. Back-lit graphics.
Power supply: 12 Vdc.



Ringo Compact topper

Lit frame with 32 high intensity white LEDs.
Back-lit graphics.
Different attract modes: intermittent, full on, rotation.
Power supply: 12 Vdc.



Ellipse TF Topper

15" LCD display allows high resolution images and movies to be viewed.
RS232 connection and compact flash card available as an option.
Power supply: 12 Vdc.



Xenon Led Topper

Extremely versatile.
Very easy to install, thanks to the two flat, circular bases available as an option.
Power supply: 12 Vdc.

Towerlights

Two different series for adapting to all types of gaming machines

The towerlights are available in various vertical versions, and in the new horizontal versions (Light Train), ideal for installation on new-generation casino gaming machines.

Vertical series



Horizontal series



Components

A wide range of accessories to complete any machine



Filters

Network filter devices.

- Available in various versions:
 - electrical outlet with mains filter (3 or 6A);
 - electrical outlet with switch, fuse and mains filter;
 - electrical outlet with switch, fuse, mains filter and tray (small or large).
- Also available with luminous switch.



Power supplies

AC/DC power supplies.

A compact power supply, available with the following voltages:

+ 5 V/15 A; + 12 V/4 A; + 24 V/4 A.

Pulse counters

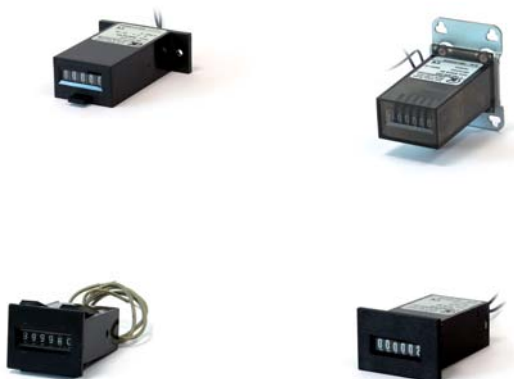
Electromechanical counting devices.

For base fastening

- Available in 6/12/24 Vdc versions, with or without reset.
- 5 or 6-digit numbering device.
- The speed is 10 pulses per second.

For recessed installation

- Available in 6 and 12 Vdc versions, with or without reset.
- 5 or 6-digit numbering device.
- The speed is 10 pulses per second.

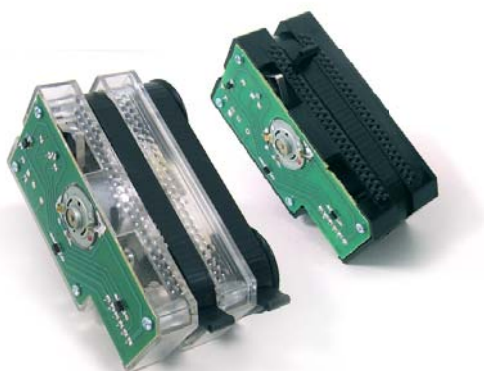


Motors produced - straight and inclined

For installation in automatic vending machines, they allow dispensing various products the size of a packet of cigarettes feeding them on their conveyor belts.

Versions

- Micro-inclined switch
- Double micro-inclined switch
- Micro-straight switch
- Double micro-straight switch

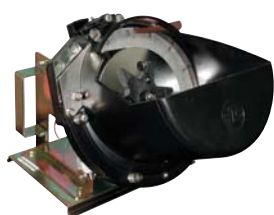




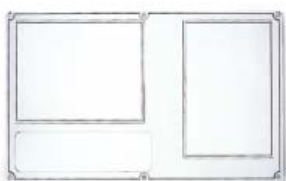
LED bulbs

Cup holders for
change machines

Customisable cups

Hopper for large
tokens

ABS handles

A4 (320 x 255 mm)
document holdersA5 (257 x 135 mm)
document holders

Adjustable feet



White cabinet wheels



Black cabinet wheels

Jamma connectors
10 x 10 – 28 x 28 – 36 x 36

Plastic tray



Mini test switch



Bipolar switch



Test switch



Graphic design
Comestergroup S.r.l.

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