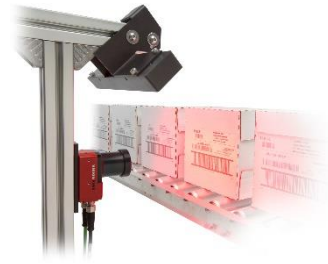


PRODUCT

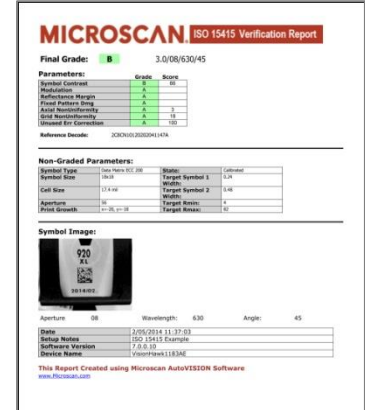
AutoVISION Verification Kits:

Microscan's Barcode Verification Kits bundle complete tools for ensuring the readability and compliance of printed 1D/2D symbols or direct part marks. Engineered to meet ISO and AIM quality standards and designed with the ideal lens and lighting configurations, each kit includes a Vision HAWK C-mount smart camera, NERLITE® Smart Series industrial lighting, and AutoVISION® machine vision software for inline or offline verification.



KEY FEATURES

- Four kits for common verification application needs:
 - 1D/2D Label Verification Kit
 - Dot Peen Verification Kit
 - Large Linear Verification Kit
 - Large Linear Verification Kit with VMI and accessories
- Includes compliant camera, lens, lighting, mounting hardware, and software
- Verify to ISO 15415, ISO 15416, and AIM DPM / ISO 29158
- Save detailed verification reports in .txt or .pdf formats
- Same software can be used for inline and offline verification
- Jobs can be configured with additional vision tools such OCR for match string
- Convenient all-in-one packages designed to meet the majority of applications
- **Optional VMI (Verification Monitoring Interface) plug-in for AutoVISION software** provides a solution for 1D code grading, plus image archival of verified products, storage of verification results into a data log, and trending options that can be used to indicate problem conditions



MICROSCAN VERIFICATION KIT PRODUCT FAMILY



Application	Large Linear	1D/2D Label	Dot Peen
Inline 1D (<2") or 2D (<1") Label Verification		X	
Offline 1D (<2") or 2D (<1") Label Verification		X	
Inline 1D Code Verification (>2", <8")	X		
Offline 1D Code Verification (>2", <8")	X		
Inline DPM (Dot Peen <1")			X
Offline DPM (Dot Peen <1")			X

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PART NUMBERS AND PRICING

Part Number	Description	USD	EURO
SLN-0000004	DOT PEEN Verification Kit	\$5560	€4280
SLN-0000005	1D/2D LABEL Verification Kit	\$6960	€5355
SLN-0000006	LARGE LINEAR Verification Kit	\$7820	€6015
SLN-0000018	Large Linear Verification Kit with VMI & Accessories	\$12000	€9230
OR			
98-000217-05	AutoVISION to Verification & VMI license upgrade ***For previously installed hardware	\$2750	€2115
ACCESSORIES			
97-000012-01	Power Supply, 100-240VAC, +24VDC, M12 12-pin Socket	\$121	€88
98-000103-02	QX-1 Connection Block	\$195	€151
61-000163-02	QX Cordset, Host, Ethernet, M12 8-pin Plug (Screw-On) to RJ45, 3 m	\$85	€57
61-000148-02	QX Cordset, Common, M12 12-pin, Socket (Screw-On) to M12 12-pin Plug (Screw-On), 3 m	\$80	€53
61-000204-01	Cable, Power, Smart Series to QX-1	\$204	€165
61-000218-01	Cable, Smart Series to QX-1, Strobe, NPN	\$130	€105
99-000020-02	Trigger, M12 4-pin Plug, NPN, Dark On, 2 m	\$193	€193

With the exception of the Trigger, the other accessories are not required when ordering SLN-0000018. The accessories listed with the Verification Kits are just one way of wiring the solutions. Please refer to the latest [Pricing Catalog](#) for information on product configurations and a full list of accessories.

KEY DIFFERENTIATION

Key differentiators and talking points to bring to end-users and OEM customers who are looking for verifiers:

- Do your customers specify a minimum grade for 1D or 2D barcodes on product packaging, cases, or pallets?
 - Across industries many trading partners require barcodes to meet a minimum specification according to various standards. AutoVISION can perform verification according to ISO 15416, ISO 15415, AIMDPM / ISO 29158, or custom verification. Being able to verify and confirm grades before products leave your facility will increase customer satisfaction, and reduce fines and return of noncompliant material.

Advantage: Microscan standard based verification of both 1D and 2D codes

- Are your key performance indicators driven by reducing scrap and rework?
 - Offline verification systems can help to test product samples, but if an issue occurs with the marking process, it will not be caught until the next sample is tested. Degraded marks can impact your metrics and drive up scrap or rework costs. The quality of labels and direct part marks can vary and you need a product that can detect a downward trend in real-time – preventing bad marks from occurring.

Advantage: Microscan dynamic inline verification

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3. Do you perform verification on a subset of product, or would you prefer to verify 100%?
- Microscan's Verification Kits can be set up as a bench top verification system, or can be installed directly on the production line to grade 100% of your products. If you have scenarios for both applications, you can use the Verification Kits for both instances.

Advantage: Microscan dynamic inline verification, or offline to meet customer needs

4. Is your facility looking for ways to use data for visualization and trending for continuous process improvement?
- Consider Microscan's VMI (Verification Monitoring Interface) Software for added ability to store and process 1D barcode verification data. Trending capabilities enable users to set triggers associated with user defined verification grade trends. These triggers can be used to stop a production line, initiate a print head purge, or any number of alarm or process improvement activities.

Advantage: Microscan market-focused solutions and application experts

5. Would you like to perform other vision tasks on your product?
- Purchasing a Verification Kit powered by AutoVISION provides you the flexibility of performing other vision tasks. GS1 validation can be performed to ensure that the data has been properly encoded into the barcode or Data Matrix. Some users need to match the code to the required lot or batch number to prevent mislabeled parts. Others may want to perform a measure function to confirm the size of a part, or perform OCR on human readable text. Process control, mark type, size, location, and substrate variations are things you need to consider when future-proofing your application. AutoVISION provides you a flexible platform that is highly capable of dealing with variation, additional requirements, and project changes.

Advantage: Microscan flexibility & scalability

6. Do you have special software or cabling requirements for your automation projects?
- Microscan offers different levels of product customization for all types of customers. We are ISO 9001:2008 certified and have been developing customized products and solutions for customers for over 30 years.

Advantage: Microscan market-focused solutions and flexible manufacturing

7. Barcode and Data Matrix results can be easily communicated to production PLCs for confirmation of data.

Advantage: Microscan Link and connectivity solutions



COMMON APPLICATIONS AND INDUSTRIES

Primary Packaging Track,
Trace and Control



Secondary Packaging
Shipping and Logistics



Medical Device
Manufacturing and
Assembly (UDI)



Produce Traceability
Initiative



Consumer Electronics
Component Manufacturing,
Assembly and Test



Automotive Powertrain
Assembly and Test

MODEL SELECTION

There are four Barcode Verification Kits, each with unique lighting and accessories to meet your application needs. Refer to the [Barcode Verification Selection Guide](#) to understand which product is best suited to read your specific barcode. You should keep the following in mind when selecting a Verification Kit for your application:

- Dot Peen Verification Kit: Ideal in most 2D verification applications with barcodes that are <1"
- 1D/2D Label Verification Kit: Leading choice for small 1D (< 2") and 2D (<1") barcodes, on reflective surfaces
- Large Linear Verification Kit: Perfect for large 1D (>2", <8") barcode applications such as on secondary packaging
- VMI: Provides additional data analysis and trending capabilities for 1D barcodes. The key hardware components are shared with the Large Linear Verification Kit.

VENDOR SELECTION

Items to consider when choosing a verification vendor are:

- **Broad and capable product offering** – Microscan offers a range of verification products to serve applications that range from simple to very complex. We also offer a broad range of auto ID, machine vision and lighting solutions.
- **Experience and support** – Microscan has a long history of providing verification solutions, application support, and educational materials to promote an industry awareness of verification. We are a global leader in industrial ID and machine vision with over 30 years of experience across nearly all facets of manufacturing and automation. Our global influence spans over 400 locations of direct sales engineering resources and Partner/Integrators worldwide.

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