Buffer & Coating Stripping

Schleuniger

Schleuniger (pronounced SHLOI-NI-GER) is an international company headquartered in Switzerland. Their equipment ranges from semi-automatic benchtop machines to fully automatic processing lines offering a wide range of innovative solutions for stripping, cutting, sealing, crimping and marking of all types of wire and cable, including single conductor wire, coaxial cable, glass and plastic optical cable, flat cable and multi-conductor cable, to name a few. Their fiber optic line includes lightweight machines to strip buffered and coated fibers and larger machines to perform jacket stripping, Kevlar cutting and/or all of the above in one single unit.

"To Be Precise" is Schleuniger's commitment and goal in any matter. To deliver first-class cable and wire processing solutions that cater to a variety of industries is one of thier two primary goals. Together with Fiber Optic Center, we offer first-class service, and fast, competent customer support.

Schleuniger
FO-7030 & FO-7035 FiberStrip Buffer & Coating Stripping Machines

The FiberStrip 7030 strips individual coated and buffered fibers while the FiberStrip 7035 strips flat fiber ribbons. Both machines are very compact and can be used in the field or in a high production environment. They are the perfect complement to cleavers and fusion splicers for normal and high strength splicing.

The FiberStrip series, with its special blade geometry and integrated centering aid, ensures that contact with the glass fiber during the stripping process is not possible. A poorly stripped fiber will have surface damage to the glass which will weaken it and lead to premature mechanical failure. Using a high precision, repeatable stripping process is the only way to guarantee the quality of the end product.

A variety of optional quick-change clamping systems are available, allowing the machine to be adapted to hold the type of fiber being processed. Adapters are available to allow the docking of fiber holders from many different fusion splicer manufacturers.

Ordering Information

Part Number	Description
FS-7030	FiberStrip 7030 Automatic Buffer and Coating Stripper
FS-7035	FiberStrip 7035 Multi-Fiber Automatic Buffer and Coating Stripper

FiberStrip Accessories

Part Number	Cladding / Buffer	Part Number	Buffer
Blade Sets		**Centralizers**	
FO3-F4-1710.A	125um / 900um	FO3-F4-1709.A	900um
FO3-F4-1710.M	125um / 600um	FO3-F4-1709.M	600um
FO3-F4-1710.B	125um / 500um	FO3-F4-1709.B	500um
FO3-F4-1710.K	125um / 400um	FO3-F4-1709.E	400um
FO3-F4-1710.D	125um / 250um	FO3-F4-1709.D	250um
FO3-F4-1710.C	250um / 500um	FO3-F4-1709.F	160um
FO3-F4-1710.E	205um / 900um		
FO3-F4-1710.F	80um / 160um		

PRODUCTION EQUIPMENT

Simplex Fiber Optic Cable Prep

Schleuniger
US-2545 UniStrip Pneumatic Wire & Cable Jacket Stripper

The UniStrip 2545 is a pneumatic wire and cable stripper specifically designed for jacket stripping of Glass Fiber Optic (GOF) cables and discrete wires up to 0.12" (3.2 mm) O.D. At a wire size range of AWG 14 - 32 (0.03 - 2.08 mm²), the compact machine strips lengths from 1" - 1.8" (25 up to 45 mm).

Extremely short cycle times and easily adjustable stripping lengths and diameters boost productivity when building cable assemblies and other quick-change wire jobs. The versatility and precision of this semi-automatic stripper ensures productivity in a wide variety of applications. The UniStrip 2545 is a light, but nevertheless very precise machine and strips most insulation types with just one set of blades for greater efficiency.

Operating the UniStrip 2545 is extremely simple. After insertion, the cable makes contact with the sensor, which then actuates the visual controllable stripping process.

Schleuniger
FO-7010 FiberOptic Kevlar Cutting Machine

The low-cost FiberOptic 7010 cuts and removes the Kevlar material of fiber optic cables with complete accuracy to a remaining length between 0.12 and 2.36" (3 and 60 mm).

An efficient vacuum system, activated by means of a foot pedal, separates the Kevlar material from the optical conductor of the cable. The Kevlar is then positioned between the cutting head and anvil. The number of cutting strokes can be adapted to the thickness of the material by means of operating the foot pedal several times.

This extremely light benchtop machine is easy to operate and guarantees repeatable results and a precise cutting performance.

Schleuniger
FO-7045 FiberOptic Jacket, Kevlar and Coating Cutting and Stripping Machine

The FiberOptic 7045 is actually three machines in one. It combines the functions of the UniStrip 2545, FiberOptic 7010 and the FiberStrip 7030 in one integrated package.

Specifically designed for processing jacketed glass optical fibers (GOF), the FiberOptic 7045 provides for perfect stripping of the outer jacket, Kevlar cutting, as well as stripping of the secondary and primary coatings on all common single and multi-mode cables at a very short cycle time.

Cable programs can be changed in less than three seconds without any tooling or blade changes. Highest process quality with a zero reject rate and high productivity ensure the cost-effectiveness of this machine.

Ordering Information

Part Number	Description
US-2545	UniStrip 2545 Pneumatic Wire & Cable Jacket Stripper
FO-7010	FiberOptic 7010 Kevlar Cutting Machine
FO-7045	FiberOptic 7045 Jacket, Kevlar and Coating Cutting and Stripping Machine

PRODUCTION EQUIPMENT

Variable Cable Prep

Schleuniger

PS-9500 PowerStrip Automatic Cut and Strip Machine

The fully programmable PowerStrip 9500 cuts and strips wires up to 0.55" (14 mm) in diameter with pull-off lengths up to 7.87" (200 mm). Its innovative design enables the processing of many types of applications ranging from standard cable to multi-conductor and flat ribbon cable.

The PowerStrip 9500 is a high-performance, efficient and modular wire and cable processing system that can be fully integrated into an automatic production line.

This powerful cutting and stripping machine impresses with precise and repeatable Schleuniger stripping quality, high processing speed and a vast range of processing possibilities.

The multiple blade system on the cutter head allows the use of up to 3 pairs of blades which can easily handle most cutting, stripping and slitting requirements.

There are various accessories available for the PowerStrip 9500. From basic pre / post processing equipment to high-end solutions for fully integrated inline processing, Schleuniger offers the right match for your production needs.

Schleuniger

OC-3950 OmniCut Automatic Cutting Machine

The OC 3950 is a fast and precise solution for measuring and cutting round wire, cable or tubing as well as flat ribbon cable. Programming and operating parameters are set using the user-friendly front panel. The OC 3950 can be used as a stand-alone cutter or as part of a Schleuniger wire processing system. The many features, options, and accessories make this a perfect fit for a diverse number of cut to length applications.

The OC 3950 can be configured with different blade materials (ex. tool steel [std.] for cutting copper wire or carbide for cutting fiber optic cable with Kevlar), optional length encoder, and an optional RS 232 interface for remote operation.

As a system cutter, the OC 3950 can be fully integrated with many other Schleuniger machines to match your systems needs. Typical system includes: Prefeeder, hot stamp or inket marking (non-stop), coiling or stacking, in-line integration with JacketStrip 8300 for automatic cutting, stripping and slitting either round or out-of-round cable.

Ordering Information

Part Number	Description
PS-9500	PowerStrip 9500 Automatic Cut and Strip Machine
OC 3950	OmniCut 3950 Automatic Cutting Machine

PRODUCTION EQUIPMENT

Pneumatic Crimping Machine

Schleuniger

CT32S Pneumatic Crimping Machine

The CT 32S pneumatic crimper is ideal for loose-piece crimping applications. With the ability to deliver up to 3.2 metric tons of crimping force (at 6 bar), the CT 32S has plenty of crimping power for applications up to 6 AWG. The new spring loaded crimping head ensures proper terminal placement and promotes safe operation.

To improve safety, the new spring-loaded head will not allow the press to actuate if the dies are opened more than 0.250" (6.4 mm). The CT 32S can also be configured to accept all existing Schleuniger die sets and other name-brand die sets. The unit is very simple to operate and comes standard with a piece counter and a crimp speed control.

Features & Benefits

- Crimping force up to 3.2 metric tons to crimp wires up to 6 AWG
- Spring-loaded crimping head with safety feature (CT32S)
- Full-cycle mechanism assures crimp cycle must be completed
- In-line crimping action
- Adjustable crimp height and variable crimping speed
- Standard piece counter
- Easy foot-pedal operation
- Accommodates the following die sets
    - All existing Schleuniger interchangeable die sets for open and closed barrel terminals
    - All existing indent crimp die sets for the CT32 and CT42
    - Die adapters available for the most common crimping dies

Technical Specifications

Wire Size	Up to 6 AWG
Crimping Force	7,055 lbs. (3200 kg)
Working Air Pressure	90 psi / 6 bar
Maximum Stroke	0.78" (20 mm)
Speed (cycles/min.)	Up to 54
Crimp Action	In-line
Safety Shield	Optional
Weight	38 lbs. (17 kg)
Dimensions	11 x 8.5 x 11.8" (280 x 215 x 300 mm)
CE-Conformity	The CT 32S fully complies with all CE and EMC equipment guidelines relative to mechanical and electrical safety and electromagnetic compatibility.

Ordering Information

Part Number	Description
CT32S	Pneumatic Crimping Machine with new spring loaded head
CT32	Pneumatic Crimping Machine

Epoxy Preparation

Epoxy performance is highly dependant on how it is prepared, dispensed and cured. To properly prepare a 2-part epoxy, you must have the proper ratio of resin to hardener and they must be mixed together evenly and completely. Ångström*Bond*® 2-part packets provide the propper ratio and can be mixed by hand or with the Linex LX-9001 Automatic Bi-Pack Epoxy Mixer. The LX-9001 is an automated system designed to eliminate the human error that can occur at this step.

An often overlooked second step to epoxy preparation is de-gassing the recently mixed epoxy. The inherent nature of mixing introduces microscopic air bubbles into the epoxy. These air bubbles, visible and invisible to the naked eye, will lead to voids in the cured epoxy that can potentially cause failures. Running the recently mixed epoxy through a centrifuge, in its syringe, will remove these air bubbles and reduce the chance for epoxy failure.

When using an automatic dispensing machine, further costs can be saved and product consistency improved with either the pre-weighed packets or the premixed and frozen (PMF) packages. A system can be devised which can reduce operator variability to ensure the same amount of adhesive is injected each time. The unit will also decrease the repetitive motion that can sometimes lead to Carpal Tunnel Syndrome. Premixed and frozen can be packaged in an automatic cartridge that fits your dispensing machine, thus adding to the savings.

LineX
LX-9001 Automatic Bi-Pack Epoxy Mixer

The LX-9001 epoxy mixer offers rapid efficient mixing of 2 to 4 gram packaged epoxy with no waste. Other features include built in timer for accurate mixing cycles, attached syringe holder and stainless steel construction.

Size: 12.5" x 4" x 4.75"
Weight: 4 lbs

Ordering Information

Part Number	Description
LX-9001	LineX Automatic Bi-Pack Epoxy Mixer. 110 V
LX-9001A	LineX Automatic Bi-Pack Epoxy Mixer. 220 V

Clay Adams
0151 Centrifuge

De-gassing epoxy after mixing will ensure performance and increase yields. The Clay Adams 151 centrifuge is designed to work with test tubes but will also work with small 3cc syringes to eliminate the small, micro bubbles created during the epoxy mixing process.

Technical Specifications

Nominal Speed	3400 rpm with six 15ml tubes
Nominal RCF	1240 x G, Max. Volume: 90ml (6 x 15ml)
Operating Power	115V, 60Hz, 180W

Ordering Information

Part Number	Description
CLAY-ADAMS 0151	Clay Adams 0151 Centrifuge. Comes with Tubes and Bumpers.

PRODUCTION EQUIPMENT

Specifications may change without notice

Epoxy Dispensing

I&J Fisnar
SL101N Digital Liquid Dispenser

The SL101N digital liquid dispenser, with its versatile design makes it perfectly suited for a wide variety of dispensing applications, from microdot deposits to large potting and filling. Suitable for all types of fluids, it includes a suck-back feature to ensure low viscosity liquids do not drip.
The SL101N provides micro controlled timer programmable from 0.01 to 9999 seconds.

Features & Benefits

- Digitaly controlled program
- Stores up to 9 dispensing routines
- Easy to use touch sensitive controls
- Barrel suck-back ensures no dripping
- Suitable for a wide range of dispensing

Technical Specifications

Size	8.63" x 8.50" x 2.63" (21.92 x 21.59 x 6.68 cm)
Dispense Time	0.01 - 99.99 seconds
Operating Modes	Manual, Timed, Cycle
Air input	70 to 100 psi (5 to 7 bar)
Air output	1 to 100 psi (0.1 to bar)
Voltage	110 VAC & 240 VAC 50/60 Hz
Internal memory	9 memory locations
Weight	3.5 lbs (1.59 kg)

Ordering Information

Part Number	Description
SL101N	Digital Dispensing Machine. Requires 3cc adapter kit (5601034) for use with 3cc syringes.

Disposable Dispensing Components

Part Number	Description
5601000	3CC Barrel - 10/Bag
5601018	3CC Pistons - 50/Bag
5601034	3CC Barrel Adapter Assembly
5601054	Tip Caps - 10/Bag
5601149	20 Gauge Metal Dispensing Needle (1.0 in.) - 100/Bag

UV Adhesive Dispensing

Tridak

Micro-Dot Manual Syringe Dispenser

The Tridak Micro-Dot hand-held syringe dispenser delivers accurate and consistent fluid deposits from pre-packed 10 mL disposable syringes. This portable syringe dispenser can be set to dispense a wide range of fluid shot volumes. Once a volume is set, it can be repeated indefinitely with acute consistency. The Micro-Dot dispenser is light weight, thumb actuated, and can be used in any environment. Tridak molded taper tips are recommended for achieving the most accurate shot size.

Unlike the machine dispensers that can compensate for changes in viscosity, the Micro-Dot's positive dispacement remains constant which works well for low to medium UV adhesives. FOC does not recommend the Micro-Dot for epoxies and fiber optic terminations.

Features & Benefits

- Portable, hand-held dispenser with positive displacement accuracy
- Accepts pre-packaged 10cc syringes
- Dispenses a wide range of fluids from low to high viscosities
- Adjustable dot size
- Plastic taper tip recommended for most accurate dispensing
- Compact and light weight, thumb pressure actuation

Technical Specifications

Dispenser Type	Manual positive displacement
Weight (without syringe)	2.8 oz. (81.3 g)
Dimensions (L x W x H)	4.5" x .87" x 2.125" (114mm x 22mm x 54mm)
Minimum Shot Size	.0002 g (25-gauge dispnse tip)
Maximum Shot Size	.25 g (15-gauge dispense tip)

Ordering Information

Part Number	Description
STA0600-1000	Tridak Micro-Dot Hand-held UV Adhesive Dispenser

PRODUCTION EQUIPMENT

Epoxy Curing Ovens

PRODUCTION EQUIPMENT

LineX

LX-9000 Series Precision Fiber Optic Curing Oven

Ultra precise temperature control with uniform heat for precision curing. Built in curing timer with alarm. Up to 48 connector capacity. Horizontal or vertical curing. Stainless steel construction.

Size: 12" x 4" x 5"
Weight: 8 lbs.

Features & Benefits

- Stainless Steel Construction
- Microprocessor Controlled
- Variable Timer
- Maximum Capacity 48 - Connectors
- Fast Soak Time
- Multiple Connector Configurations
- Cycle Complete Indicator

Ordering Information

Part Number	Description	Part Number	Description
LX-9010	120 VAC Curing Oven	LX-9011	220 VAC Curing Oven

Connector Blocks

Part Number	Description	Part Number	Description
LX-9010-1	SC 36 Port Curing Block	LX-9010-4	Mil Spec Pin/Socket, 1.25mm 48 Port Curing Block
LX-9010-2	ST, FC, D4, MT 48 Port Curing Block	LX-9010-5	SMA 48 Port Curing Block
LX-9010-3	LC 48 Port Curing Block		

Fibertron

Multi-Cure Fiber Optic Curing Oven

The Multi-Cure II's adjustable thermostat controls the curing temperature over a range of 65°C to 125°C permitting the epoxy to cure at a lower temperature for longer periods of time (e.g., 100°C for 15 minutes).

Power receptacle, switch, and fuse module is UL, CSA, and TUV approved. The 240V model is CE approved.

Size: 5.25" x 6.5" x 3.5"
Weight: 4 lbs.

Ordering Information

Part Number	Description	Part Number	Description
9551	120 VAC heater with 9050 SC/ST/SMA/FC/D4 connector block	9561-EU	240 VAC heater with 9050 SC/ST/SMA/FC/D4 connector block

Connector Blocks & Accessories

Part Number	Description	Part Number	Description
9050	24 ST/SMA/FC/D4 cavities on top and 24 SC cavities on bottom	9060	20 Biconic cavities on top and 20 ST cavities on bottom
9080	38999 ferrules, mil connectors, pins and sockets - 14 horizontal cavities	FTQ4	Fibertron Thermometer For Oven

Epoxy Mixing, Dispensing & Curing

Domaille
C0-6500 Universal Curing Oven

The Universal Cure Oven is designed to maximize productivity when curing epoxy on single and multi-fiber connectors. The Universal Cure Oven utilizes a modular carrier tray for efficient assembly and loading of up to 24 MT connectors or 48 single fiber connectors at a time. The Universal Cure Oven also has the most consistent thermal pattern in the industry for superior cure results.
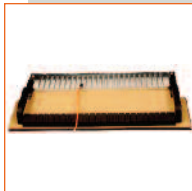
Features & Benefits

- Cures Connectors in either horizontal or vertical position
- Available in 110v or 230v configuration
- Increases productivity and consistently achieves superior yeild results
- Utilizes carrier trays for easy loading and maximum productivity

48 single fiber connector tray

Domaille 48 slot single fiber connector carrier tray. The tray fits most single fiber connector styles and facilitates efficient assembly and loading for the Universal Cure Oven.

24 MT connector tray

Domaille 24 MT connector carrier tray. This tray fits MT style connectors and facilitates efficient assembly and loading for the Universal Cure Oven.

Fiber View

The Fiber View connector holder protects the fiber during the assembly, handling and epoxy curing and is fitted to assure the ceramic ferrule remains expoy free. The FiberView holder can be used in the Universal Cure Oven carrier system.

Ordering Information

Part Number	Description
CO-6500	Universal Curing Oven 110V
CO-6600	Universal Curing Oven 230V - CE Rated
CO15048	48 single fiber connector tray
CO15024	24 MT connector tray
CO10125	Fiber View Connector holder 1.25mm
CO10250	Fiber View Connector holder 2.50mm

PRODUCTION EQUIPMENT

UV Spot Curing

Dymax
BlueWave 200

The BlueWave® 200 UV curing spot lamp offers the highest intensity and simplest operation in the industry. A new patent pending intensity adjustment feature allows operators to manually adjust intensity during process validation and production. Users can now maintain a constant intensity by manually increasing intensity to compensate for bulb degradation.

BlueWave 50AS

The BlueWave® 50 AS UV curing spot lamp is economical and simple to operate. It emits primarily UVA and blue visible light (300-450 nm) and is designed for UV curable adhesives, UV curable coatings, and UV curable encapsulants.

Agiltron
SUVA-01111111

This Solid State UV Light uses high power UV LED as light source, providing low cost, long operation life, low power consumption, and compact size advantages over traditional lamp based alternatives. Agiltron's design achieves high light coupling efficiency exceeding 85% and well-distributed light spot intensity. The exposure time and UV light power are adjustable.

The device can be switched on/off by both a finger push button and a foot press switch Multiple UV curing headers and battery power versions are also available. This light source is designed to conveniently and economically cure UV epoxy of various types.

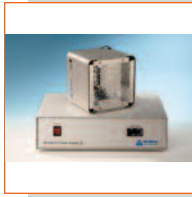The 365nm version is recommended for most UV cure adhesives.

Technical Specifications

Model	BlueWave 200	BlueWave 50AS	Agiltron SUVA-01111111
UV Intensity	17,000 mW/cm^2	3,000 mW/cm^2	1,800 mW/cm^2
Bulb Life	2,000 hrs	2,000 hrs	30,000 hrs
Replaceable Bulb	Yes	Yes	No

Ordering Information

Part Number	Description
38905	Dymax BlueWave 200 UV Curing Spot Lamp with Foot Switch
39370	Dymax BlueWave 50AS UV Curing Spot Lamp with Foot Switch
SUVA-01111111	Agiltron UV Curing LED Spot Lamp (365nm) with Foot Switch
SUVA-012111111	Agiltron UV Curing LED Spot Lamp (385nm) with Foot Switch

PRODUCTION EQUIPMENT

UV Flood Lamps

Dymax
5000-EC

The DYMAX 5000-EC Series UV curing flood lamps are designed for high-intensity, rapid UV curing of UV adhesives, UV coatings, and UV inks. 5000-EC UV curing lamps are designed for processes requiring higher-intensity UV light concentrated in a narrow 5" x 5" area. The 5000-EC series UV flood lamps deliver concentrated light primarily in the UV-A range (320-390 nm wavelength) to achieve maximum UV cure depths and "tack-free" cures, typically in 10-30 seconds. DYMAX UV flood lamps provide low-cost cures for bonded or coated areas larger than 1/2 inch2 or can be used for small batch processing or conveyor-mounted UV curing.

2000-EC

The DYMAX 2000-EC Series UV curing flood lamps are designed for general purpose, low-intensity UV curing of UV adhesives, UV coatings, and UV inks. A DYMAX 2000-EC UV flood lamp is equipped with internal filters which effectively limit output to longwave, worker-friendly ultraviolet energy. The 64-square-inch curing area of the 2000-EC Series UV flood lights make them well suited for laboratory production and large-batch processing.

Agiltron
SUVH

Agiltron's hand held LED UV flood light generates a large diameter UV beam with high power intensity for epoxy curing. It offers desirable features of light weight, compact size, low power consumption, long operating life without the need to change light bulb, and low cost. Its selective emission wavelength produces highly efficient fast curing by using matching UV epoxy. The unit is able to operate continuously with adjustable exposure time and UV light power.

The 380nm version is recommended for most UV cure adhesives.

Technical Specifications

Model	5000-EC	2000-EC	Agiltron SUVH
UV Intensity	225 mW/cm^2	75 mW/cm^2	1,200 mW/cm^2
Curing Area	5" x 5"	8" x 8"	2" x 4"
Working Distance	2" - 6"	2" - 6"	4" - 8"
Bulb Life	2,000 hrs	2,000 hrs	40,000 hrs
Replaceable Bulb	Yes	Yes	No

Dymax Ordering Information

Type	5000-EC	2000-EC
Modular (no shielding or shutter)	38100	38105
With Mounting Stand & Small Shield	39830	39730
With Light Shield	39820	39720
With Light Shield & Manual Shutter	39823	39723
With Light Shield & Zip Shutter	39821	39721

Agiltron Ordering Information

Type	380nm	400nm
Without Foot Switch	SUVH-011110000	SUVH-012110000
With Foot Switch	SUVH-011110001	SUVH-012110001

PRODUCTION EQUIPMENT

Specifications may change without notice

Laser Scribing

Sagitta Comet
Laser Cleaving System for Optical Connector Processing

Introducing the industry's first Laser Cleaving System for Optical Connector Processing. Sagitta's new laser-based cleaving system eliminates tedious manual steps in your connector terminating process. Proprietary laser and optics, integrated with automated servo controls, precisely cleaves the fiber and removes the epoxy material above the ferrule pedestal, ensuring consistent cleaves with unparalleled repeatability. Internal fume vents and scrubbing systems ensures complete evacuation of outgases, debris and fiber.

Quality & Reliability

- Consistent cleave height with no dependence on epoxy bead size or cleave skill
- Eliminate operator and tool dependent cleave quality
- Eliminate multimode fiber "core cracking"
- Closer cleave (compared to manual)
- Easily cleaves large core and unconventional fiber types

Labor & Material Savings

- Eliminate epoxy removal step and possible subsequent steps (Achievable on step process)
- Improved yields
- Higher throughput
- Eliminate scribe blade wear-out
- Reduced employee training

Technical Specifications

Simplex Connectors Supported	2.5mm and 1.25mm ferrules; Flat, Pre-radiused, or Pre-angled; APC ferrules: step, cone or pencil; Bare ferrule or assembled; Fiber Stubs (fiber in ferrule)
Multi-fiber Connectors Supported	MTRJ, MTP (8, 12 or 24 fiber)
Cleave Throughout	720 UPH
Cleave Cycle Time	< 5 sec
Changeover Time (between connector types)	< 1 min
Allowable protrusion from connector ferrule	1mm to 15mm
Cleave Accuracy (Simplex)	± 25 μm (Simplex)
Cleave Accuracy (MT)	± 25 μm (MT)
Laser Safety	Class I product (FDA, EC)
General Safety	UL, CE
Power	100 to 240V AC, 50 to 60 Hz
Operating Temp Range	10ºC to 35ºC
Material	Aluminum, Hard anodized coated
Dimensions (W x D x H)	27" x 20" x 11" 700mm x 500mm x 280mm

PRODUCTION EQUIPMENT

Laser Scribing

Ordering Information

Part Number	Description
LCS-720-01S	Comet Laser Cleaving System for Simplex Connectors including Two Connector Adapters
LCS-920-01M	Comet Laser Cleaving System for MT and Simplex Connectors including Two Connector Adapters

Adapters and Accessories

Part #	Description	Part #	Description
LCS-123-BF250	2.5mm Bare Ferrule Adapter	LCS-123-BF125	1.25mm Bare Ferrule Adapter
LCS-252-FC	FC Connector Adapter	LCS-253-ST	ST Connector Adapter
LCS-251-SC	SC Connector Adapter	LCS-255-SCB	SC Body Connector Adapter
LCS-121-LC	LC Connector Adapter	LCS-122-MU	MU Connector Adapter
LCS-451-MTRJ	MT-RJ Connector Adapter	LCS-612-MTP	MT Connector Adapter
LCS-254-E2K	E2000 Connector Adapter	LCS-810-MON	Monitor with integral Camera/LCD System

PRODUCTION EQUIPMENT

Polishing Machines

Fiber Optic Center offers polishing machines from top manufacturers with a variety of designs to handle any application. For the field, for research and development or for high volume production, we can recommend, install and support the right machine for the job. For example, the ability to adjust time, speed and pressure is preferable on a process development machine, while the ability to set and lock these same variables would be preferred on a machine used in production.

Field Machines

Field Machines need to be small, lightweight and run off their own power supply. These machines are set up to polish just a few connectors at a time, as volume is typically not a concern. Some machines are specifically designed to only perform minor repair work on damaged connectors.

Research and Development

Polishing machines for R&D may not need the capacity of a production machine but they do need the integrity to maintain tight, variable control on time, speed and pressure. These settings have precise controls to give the user the flexibility necessary for complete process development.

Production

Designed for continuous use, these machines, along with the right process, can consistently deliver high volume output with near perfect yields. Time, speed and pressure controls are easily set and locked, allowing the user to simply follow a pre-determined process. Some machines can automatically adjust pressure with real time feedback. Others take automation a step further with CPU control and LCD touch screens. These units can securely store multiple processes which display instructions at each step along with automatically configuring the machine's various settings. With each step fully defined and stored in the machine, process deviation is kept at the lowest possible level.

Support and Service

We have a technical staff with actual production experience to assist you in your machine selection and to help you develop a process to go along with it. If you would like a demonstration, we invite you to come and visit the FOC lab equipped with all the latest technology or we may be able to arrange a demo to be shipped to your facility. We also offer training services, again either in our lab or at your facility. If you purchase a machine from us, we will make sure it performs to your expectation upon delivery and will continue to offer our support should any future issues arise.

PRODUCTION EQUIPMENT

Seikoh Giken Polishing Machines

PRODUCTION EQUIPMENT

SFP-550 Series

Powerful and ruggedly constructed, the patented SFP-550 Series polishing machines are ideal for high volume production applications. Industry known as the workhorse for standard connectors, they deliver precise processing and high throughput reliably, with low maintenance requirements. Using recommended processes, it meets the most demanding specifications of domestic and international standards bodies. All plates, films and pads for the SFP-550 Series are interchangeable between the 550, 550C, 550S and 550E.

Features & Benefits

- Designed for high volume applications
- Quick change tooling
- Accommodates most connector styles
- Super centering accuracy
- Back reflection: UPC -60dB / APC -70dB (typ.)

- Insertion Loss: 0.2dB (typ.)
- Low Undercut
- Excellent endface geometry
- SG Patented rotation & revolution method
- Utilizes I.P.C. holder technology

SFP-550
High Volume Polishing Machine

Seikoh Giken's most reasonably priced model with basic features from their top of the line models. Originally designed for the proprietary IPC (Individual Pressure Control) system, this polisher offers even pressure to each ferrule regardless of its protrusion length while achieving stable, high-quality mass-polishing output. Highly recommended for multi-installation, large scale cable production factories.

SFP-550C
High Volume, Ruggedized Polishing Machine

Optimized for mass production the SFP-550C offers high mechanical durability, low operational costs and the ability to operate 24/7/265. A special surface treatment is factory applied to extend the service life of parts, while an increased turn table speed reduces polishing time by 2/3 when compared to the SFP-550B. Ultra stable endface geometry is acheived with near zero downtime maximizing output in high volume environments.

SFP-550S2
High Volume, PC Based Polishing Machine

Building on the SFP-550 platform, the SFP-550S2 features a full function LCD touch panel for simplified programming of various polishing processes. Additionally, it features a slow start function, programmable turntable speed controller and voltage-free power input for world-wide versatile installation. Best for use in high volume mass production environments where critical geometry performance is required.

SFP-550E
High Volume, 4 Timer Polishing Machine

Offering features found in the SPF-550S, this model features 4 unique timers instead of a touch panel while still providing mass production, adaptability and versatility. This allows for simple programming and operation and reduces operator error. It also features speed control of the turntable and voltage-free power input.

Seikoh Giken Polishing Machines

SFP-550 Polishing Machine Kits

All Seikoh Giken polishing machines are sold in kits so they are ready to polish right out of the box. See below for the machine part number and their respective kits.

Ordering Information

Part Number	Description
SFP-550	SFP-550 Polishing Machine Including Standard Accessories Kit
SFP-550S	SFP-550S Polishing Machine Including Standard Accessories Kit
SFP-550E	SFP-550E Polishing Machine Including Standard Accessories Kit

Standard Accessories Kit

Part #	Description	Qty	Part #	Description	Qty
FP-IM12	Operating Manual	1	FP-PM12	Process Manual	1
FP-MM12	Maintenance Manual	1	FP-F2A	2 Amp Fuse	2
FP-TS	Hexagon Wrench	1	FP-CH	Cable Hanger	1
PS5X-500-00	5.0mm Sponge Pad	3	PR5X-500-80	5.0mm Rubber Pad	3
GA5D	Adhesive Removal	50	DR5D-9u	Rough Polish Film	2
DJ5D-1u	Middle Polish Film	2	XF5D	Final Polish Film	10
FP-CS55	Coil Spring	4			
SFP-550 Only					
PR5X-500-85	5.0mm Rubber Pad	3			
SFP-550S & 550E Only					
PR5X-500-90	5.0mm Rubber Pad	1	PR5X-508-90	5.8mm Rubber Pad	1
PR5X-480-80	4.8mm Rubber Pad	1	PL50	Polishing Liquid	1

PRODUCTION EQUIPMENT

Seikoh Giken Polishing Machines

PRODUCTION EQUIPMENT

SFP-550 Polishing Machine Accessories

5" Rubber Pads (sets of 3)

Durometer	Thickness			
	5.0mm*	**2.5mm**	**4.5mm**	**4.8mm**
95	PR5X-500-95	--	--	--
90	PR5X-500-90	PR5X-250-90	PR5X-450-90	PR5X-480-90
85	PR5X-500-85	--	--	--
80	PR5X-500-80	PR5X-250-80	--	PR5X-480-80
75	PR5X-500-75	--	--	--
70	PR5X-500-70	PR5X-250-70	--	PR5X-480-70
65	PR5X-500-65	--	--	--
60	PR5X-500-60	PR5X-250-60	--	PR5X-480-60
50	--	PR5X-250-50	--	--

* Add a -SN to the end of the part number for **Serialized Rubber Pads**

5" Rubber Pads (sets of 3)

Durometer	Thickness			
	4.9mm	**5.0mm**	**5.05mm**	**5.08mm**
90	PR5X-490-90	--	--	--
80	PR5X-490-80	--	PR5X-505-80	--
70	--	--	PR5X-505-70	--
60	--	PR5X-500-60	--	--
40	--	--	--	PR5X-508-40

5" Glass Plates (sets of 3)

Type	Thickness				
	5.0mm	**4.95mm**	**4.9mm**	**4.8mm**	**2.4mm**
Glass Plate Only	PG5X-500-00	--	PG5X-490-00	PG5X-480-00	PG5X-240-00
Rubber Backed	PG5X-500-MP	PG5X-495-MP	PG5X-490-MP	PG5X-480-MP	--

5" Glass Plates (sets of 3)

Type	Thickness				
	4.9mm	**4.5mm**	**4.0mm**	**3.8mm**	**3.5mm**
w/ GA5D Film	--	--	PG-5X-400-PL	PG-5X-380-PL	--
w/ 2x GA5D Film	PG5X-490-MT	PG5X-450-MT	PG5X-400-MT	--	PG5X-350-MT

Seikoh Giken Polishing Machines

SFP-550 Mega-Axis Polishing Fixtures

High Volume - IPC*

Part Number	Description	Part Number	Description
PH55-PL-48N	LC - 48 Pos	PH55-PL8A-48N	LC/APC - 48 Pos
PH55-PL-40N	LC - 40 Pos	PH55-PL8A-40N	LC/APC - 40 Pos
PH55-PM-40N	MU - 40 Pos	PH55-FLM-40N	MU or LC Ferrule - 40 Pos
PH55-CP-32N	SC - 32 Pos		
PH55-CP8A-32N	SC/APC step - 32 Pos	PH55-CP8C-32N	SC/APC conical - 32 Pos
PH55-FF-40N	2.5mm Ferrule - 40 Pos	PH55-EF8A-40-R	E2000/APC - R&M - 40 Pos
PH55-FF8A-40N-1.5	2.5mm/APC Step Ferrule 1.5mm Flange - 40 Pos	PH55-FF8A-40N-1.3	2.5mm/APC Step Ferrule 1.3mm Flange - 40 Pos
PH55-FF8C-40N-1.5	2.5mm/APC Conical Ferrule 1.5mm Flange - 40 Pos	PH55-FF8C-40N-1.3	2.5mm/APC Conical Ferrule 1.3mm Flange - 40 Pos
Plates below require the PH55-AT-PRM Pressure Module			
PH55-MT-24S	MT Holder - 24 Pos	PH55-MT8A-24S	MT/APC Holder - 24 Pos
PH55-MT-12S	MT Holder - 12 POS	PH55-MT8A-12S	MT/APC Holder - 12 POS

Standard - IPC*

Part Number	Description	Part Number	Description
PH55-PL-24	LC - 24 Pos	PH55-PL8A-20	LC/APC - 20 Pos
PH55-PM-24	MU - 24 Pos	PH55-PM8A-20	MU/APC - 20 Pos
PH55-SP-20	ST - 20 Pos	PH55-SP-28N	ST - 28 Pos
PH55-CP-20	SC - 20 Pos	PH55-FP-20	FC - 20 Pos
PH55-CP8A-18	SC/APC step - 18 Pos	PH55-CP8C-18	SC/APC conical - 18 Pos
PH55-FP8R-18-I	FC/APC step - narrow key - 18 Pos	PH55-FP8N-18-I	FC/APC step - wide key - 18 Pos
PH55-FP8RC-18-I	FC/APC conical - narrow key - 18 Pos	PH55-FP8NC-18-I	FC/APC conical - wide key - 18 Pos
PH55-FLM-16	1.25mm Ferrule - 16 Pos	PH55-FF-20	2.5mm Ferrule - 20 Pos
PH55-FF8A-18-1.5	2.5mm/APC Step Ferrule 1.5mm Flange - 18 Pos	PH55-FF8A-18-1.3	2.5mm/APC Step Ferrule 1.3mm Flange - 18 Pos
PH55-FF8C-18-1.5	2.5mm/APC Conical Ferrule 1.5mm Flange - 18 Pos	PH55-FF8C-18-1.3	2.5mm/APC Conical Ferrule 1.3mm Flange - 18 Pos
PH55-LX58AC-12	LX.5/APC Conical - 12 Pos	PH55-F0262-910	LX.5/APC - 12 Pos
PH55-M5P-12	905 SMA - 12 Pos	PH55-M5P-18	905 SMA - 18 Pos
PH55-EF-18-H	E2000 - Hubher & Suhner - 18 Pos	PH55-EF8A-18-H	E2000/APC - Hubher & Suhner - 18 Pos
PH55-EF-18-R	E2000 - R&M - 18 Pos	PH55-EF8A-18-R	E2000/APC - R&M - 18 Pos
PH55-EF-24-R	E2000 - R&M - 24 Pos	PH55-EF8A-24-R	E2000/APC - R&M - 24 Pos
PH55-MTRJ-12B	MTRJ Inner Holder - 12 Pos [1]		

[1] Requires PH55-HMT-RC Outer Holder

*Seikoh Giken's Independent Pressure Control (IPC) Connector Plates allow the operator to use any of the plate's ports in any configuration. Most plates require the connectors to be placed in a symmetrical pattern to produce even polishes. With IPC plates, ferrules are given even polishes regardless of how they are placed in the plate.

Seikoh Giken Polishing Machines

SFP-70D & SFP-70D2 Series
Low Volume, Field Use Polishing Machines

The SFP-70D and 70D2 machines are designed for low-volume production, reworking or research applications. Their compact, lightweight designs and optional battery packs make them ideal for use in the field as well. Both machines are capable of polishing most major connectors with both UPC and APC finishes.

Features & Benefits

- High performance for a variety of apps
- Ergonomic, simple design for ease-of-use
- Small size for high portability in the lab or field
- Perfect for research or low volume reworks
- Short cycle times - typically 2 min. for reworks

- Can polish up to 6 connectors (SFP-70D)
- Can polish up to 2 connectors (SFP-70D2)
- Compatible with all major connector styles
- Utilizes I.P.C. holder technology
- SG Patented rotation & revolution method

Ordering Information

Part Number	Description
SFP-70D	SFP-70D Polishing Machine Including Standard Accessories Kit
SFP-70D2	SFP-70D2 Polishing Machine Including Standard Accessories Kit
FP-CB07	SFP-70D & SFP-70D2 Transit Case (sold separately)
ENABP1600	SFP-70D & SFP-70D2 Battery Power Kit (sold separately)

Standard Accessories Kit

Part #	Description	Qty	Part #	Description	Qty
N/A	Operating Manual	1	FP-HR	Cable Holder	1
FP-TS	Allen Wrench Set	1	FP-F1A	1 Amp Fuse	10
AD20	AC/DC Adapter	1	FP-DST	Double Sided Tape	1
PR07-500	Rubber Pad	4	PG07-490	Glass Pad	2
GA07	Adhesive Removal	20	DR07-9u	Rough Polish film	2
DH07-3u	Middle Polish film	2	XF07	Final Polish film	20
FP-GS	Grease	1			
SFP-70D Only					
FP-WB	Plastic Water Bottle	2	SP07-005	0.05mm Spacer Film	2

70mm Rubber Pads & Glass Plates (sets of 3)

Durometer	Thickness				
	5.08mm	5.05mm	5.0mm	4.9mm	4.8mm
40	PR07-508-60	--	--	--	--
60	--	--	PR07-500-60	--	--
70	--	--	PR07-500-70	--	--
80	--	PR07-505-80	PR07-500-80	--	PR07-480-80
90	--	--	PR07-500-90	--	--
Glass	--	--	--	PG07-490	--

Seikoh Giken Polishing Machines

SFP-70D Polishing Fixtures

6 Position - IPC*

Part Number	Description	Part Number	Description
PH07-PL-6	LC	PH07-PL8A-6	LC/APC
PH07-PM-6	MU	PH07-PM8A-6	MU/APC
PH07-SP-6	ST	PH07-CP-6	SC
PH07-CP8A-6	SC/APC step	PH07-CP8C-6	SC/APC conical
PH07-FP-6	FC		
PH07-FP8R-6	FC/APC step - narrow key	PH07-FP8N-6	FC/APC step - wide key
PH07-FP8RC-6	FC/APC conical - narrow key	PH07-FP8NC-6	FC/APC conical - wide key
PH07-FLM-6	1.25mm Zr Ferrule	PH07-FF-6	2.5mm Zr Ferrule
PH07-FF8A-6-1.5	2.5mm/APC Zr Step Ferrule 1.5mm Flange	PH07-FF8A-6-1.3	2.5mm/APC Zr Step Ferrule 1.3mm Flange
PH07-FF8C-6-1.5	2.5mm/APC Zr Conical Ferrule 1.5mm Flange	PH07-FF8C-6-1.3	2.5mm/APC Zr Conical Ferrule 1.3mm Flange

SFP-70D2 Polishing Fixtures

2 Position - IPC*

Part Number	Description	Part Number	Description
PH072-PL-2	LC	PH072-PL8A-2	LC/APC
PH072-PM-2	MU	PH072-PM8A-2	MU/APC
PH072-SP-2	ST	PH072-CP-2	SC
PH072-CP8A-2	SC/APC step	PH072-CP8C-2	SC/APC conical
PH072-FP-2	FC	PH072-M5P	SMA 905 (Not I.P.C.)
PH072-FP8R-2	FC/APC step - narrow key	PH072-FP8N-2	FC/APC step - wide key
PH072-FP8RC-2	FC/APC conical - narrow key	PH072-FP8NC-2	FC/APC conical - wide key
PH072-FLM-2	1.25mm Zr Ferrule	PH072-FF-2	2.5mm Zr Ferrule
PH072-FF8A-2-1.5	2.5mm/APC Zr Step Ferrule 1.5mm Flange	PH072-FF8A-2-1.3	2.5mm/APC Zr Step Ferrule 1.3mm Flange
PH072-FF8C-2-1.5	2.5mm/APC Zr Conical Ferrule 1.5mm Flange	PH072-FF8C-2-1.3	2.5mm/APC Zr Conical Ferrule 1.3mm Flange
PH072-EF-2-HS	E2000 Ferrule Holder - H&S	PH072-EF2-RS	E2000 Ferrule Holder - R&D
PH072-MT-1	Single Position MT		

*Seikoh Giken's Independent Pressure Control (IPC) Connector Plates allow the operator to use any of the plate's ports in any configuration. Most plates require the connectors to be placed in a symmetrical pattern to produce even polishes. With IPC plates, ferrules are given even polishes regardless of how they are placed in the plate.

PRODUCTION EQUIPMENT

Seikoh Giken Polishing Machines

Repair Mate

Based on Seikoh Giken's proprietary rotation mechanism and with their long experience in polishing technology, the REPAIR MATE™ was specially designed for repolishing connector endfaces that may have been damaged in the field or may need minor re-working during production.

Features & Benefits

*   Small size for high portability in the lab or in the field. (AA battery operation)
*   User-friendly one touch button operation.
*   New rotation mechanism enables the removal of fiber endface scratches while maintaining endface geometry.
*   Polishing holder equiped with IPC* mechanism provides stable polishing results regardless of ferrule length.
*   Polishing holders for various connector types available. SC, FC, ST LC, MU (PC & APC)

Ordering Information

Polisher P/N	Plate P/N	Connector Style
SFP-LITE-FP	PHRM-FP	FC
SFP-LITE-FPA	PHRM-FP8R	FC/APC Step Ferrule - Narrow Key
SFP-LITE-FPAN	PHRM-FP8N	FC/APC Step Ferrule - Wide Key
SFP-LITE-FPC	PHRM-FP8RC	FC/APC Conical Ferrule - Narrow Key
SFP-LITE-FPCN	PHRM-FP8NC	FC/APC Conical Ferrule - Wide Key
SFP-LITE-CP	PHRM-CP	SC
SFP-LITE-CPA	PHRM-CP8A	SC/APC Step Ferrule
SFP-LITE-CPC	PHRM-CP8C	SC/APC Conical Ferrule
SFP-LITE-SP	PHRM-SP	ST
SFP-LITE-PL	PHRM-PL	LC
SFP-LITE-PLA	PHRM-PL8A	LC/APC
SFP-LITE-MP	PHRM-MP	MU
SFP-LITE-MPA	PHRM-PM8A	MU/APC

Polisher comes with one plate and items listed in the standard accessories kit.

Repair Mate Standard Accessories Kit

Part Number	Description	Qty.	Part Number	Description	Qty.
N/A	AA Batteries	4	RM-TW	Tweezers	1
RM-AD	AC/DC Adapter	1	RM-SD	Screw Driver	1
RM-PB	Plastic Water Bottle	2	RM-CC	Carrying Case	1
RM-CB	Cotton Buds	5	PL-50	Polishing Oil (500 cc)	1
DIRM	Diamond Polish Film	2	CF07	Cleaning Film	1
HFRM	Final Polish Film	20	PR07-500	Rubber Pad for CF07	1
PRRM-250-50 (PC Pkg Only)	50 Durometer Rubber Polishing Pad	2	PRRM-250-75 (APC Pkg Only)	75 Durometer Rubber Polishing Pad	2
PRRM-250-85 (LC/MU Pkg Only)	85 Durometer Rubber Polishing Pad	2			

*Seikoh Giken's Independent Pressure Control (IPC) Connector Plates allow the operator to use any of the plate's ports in any configuration. Most plates require the connectors to be placed in a symmetrical pattern to produce even polishes. With IPC plates, ferrules are given even polishes regardless of how they are placed in the plate.

Seikoh Giken Polishing Machines

SKT Series Inspect, Clean & Restore Systems

Fiber to the Home installations are pushing the limits of connector performance. To work at their peak, the optical interface must be clean and scratch free throughout the entire network.

The SKT series Field Service Kits by Seikoh Giken provides the service technician with all the tools needed to quickly inspect, clean and restore optical connectors anywhere in the field, whether at the pedestal or at the MDU.

Features

- Battery operated 400x Probe Scope & LCD video display. Adapter tips included for bulkhead inspection.
- RepairMate restoration polisher for re-polishing of PC & APC connectors. Includes AC adaptor & battery pack.
- FerruleMate handheld bulkhead connector cleaners for both 1.25mm & 2.5mm ferrules.
- HandiMate handheld universal connector cleaner.
- Adapter Accessory Kit - Full selection of SC, FC, & LC bulkhead adaptors for testing and inspection.
- Alcohol-free cleaning solvent for heavy debris applications.
- Ruggedized hard-plastic carrying case for complete protection and organization of supplies.

Ordering Information

Part Number	Description
SKT-100	Seikoh Giken Probe Inspection Kit with 400x Probe and 3.5" LCD Display. Includes FC, SC and LC tips and a hard case. Kit also includes 1.25mm and 2.5mm Ferrule Mates, a HandiMate Connector Cleaner and the Micro Care FCC2 cleaning solution.
SKT-300	Seikoh Giken Repair Mate - Inspect, Clean & Resotre Kit includes one Repair Mate with accessories and choice of fixture. A 400x probe scope with FC, SC and LC adapter tips and LCD Display, 1.25mm & 2.5mm Ferrule Mates, a HandiMate Connector Cleaner and Micro Care FCC2 Cleaning Solution.

PRODUCTION EQUIPMENT

Domaille Polishing Machines

Domaille's optical fiber polishing machines are capable of holding the close tolerances and repeatability required to consistently achieve superior production results when measuring apex offset, radius of curvature, fiber protrusion, back reflection and under-cut. Two factors are of utmost importance when selecting a polishing machine: Yield and throughput. Yield is an indicator of quality and repeatability. Throughput is a measure of productivity. The Domaille polishers are leaders in the industry in terms of both yield and throughput.

All of Domaille Engineering's precision connector polishing machines are designed for accuracy, easy setup, and operator efficiency resulting in industry-leading yield rates. By allowing you to adjust platen force, speed, and time to satisfy your exact specifications, our machines can precisely polish the ends of fiber optic connectors in a repeatable, reliable manner.

Although all models of the Domaille Engineering machines hold the same ultra-precise tolerances, the more advanced machines offer higher degrees of automation and process control. Additionally, all HDC models (even discontinued versions) can be upgraded to an HDC-4000 or HDC-5200. For example, the HDC-3000 can be retrofitted to become an HDC-5200. This allows for maximum return on your polishing machine investment.

APM Model HDC-5200

High Volume, PC Based Polishing Machine

HDC-5200 polisher allows you to program your polishing processes through an easy-to-use PC-based Windows-like full-color touch screen panel. Once programmed, the panel displays your settings for speed, time, and pressure, and also prompts the operator for the film, pad, and lubricant needed for each step of the process.

The number of processes that can be defined and stored within the HDC-5200 is only limited by the amount of machine memory. This means hundreds of processes and steps within each process can be stored on a single machine.

If the number of connectors loaded into the polishing fixture is less than the default that has been programmed, the automatic pressure adjustment feature allows the operator to enter the actual number of connectors loaded. The required pressure is then automatically recalculated to ensure that the individual connector force remains constant regardless of the number of connectors assumed in the process definition.

The HDC-5200 also provides the capability to copy and store your processes to a Compact Flash memory card. The Compact Flash card can be used to backup your defined processes and to copy processes from one machine to another. This not only saves process setup time for each machine, but also ensures consistent process settings.

APM Model HDC-4000

High Volume Polishing Machine

The HDC-4000 features gauges that display force, speed, and time settings. It allows the operator to adjust platen pressure to optimize the polishing process, as well as easily polish partially loaded jigs. After the setup is complete, minimum operator knowledge is required to run the machine. The operator simply loads the polishing fixture and presses a button to start one of the four programmed cycles.

FPM Model HDA-500

Field Use Polishing Machine

A compact version of the Advanced Polishing Machines, our Field Polishing Machine (FPM-HDA-500) can be transported for on-site fiber optic cable installation and emergency repair use. It is designed to achieve the same accuracy as Domaille's larger machines, but with fewer features. An international version is also available which is equiped to operate at 220VAC, 50/60 Hz.

Domaille Polishing Machines

APM Model HDC-2400 & 2700
High Volume Multimode Polishing Machines

PC cased polishing machine with color touch screen panel specifically designed for polishing multimode connectors. Features include a pneumatic force control and programmable single three or four step polsihing process. This unique design provides minimal cable movement and allows for abrasive film change without removing the fixture. The 2400 works with all Domaille round fixtures and the 2700 works with standard square fixtures.

Features & Benefits

- Color Touch Screen
- Pneumatic Force Control
- Stores a Single Three or Four Step Process
- Single Speed Setting
- Programmable Force and Time Settings
- Cable Management System

DE•nubber™
Automated Stub & Epoxy Removal

Specially designed for denubbing optical fiber connectors, the DE•nubber consistently removes excess epoxy from optical fiber connectors. Significantly reduces cracked fibers resulting from manual denubbing processes. Available for round and square fixture configurations.

Features & Benefits

- Repeatable Connector Prepping Process
- Preps to Consistent Fiber Height
- Can Reduce Polishing Time
- Prepping Done In Polishing Fixture
- Can Eliminate Polishing Steps

Optic Cleanse™
Automated Cleaning Machine

Domaille introduces the Optic Cleanse, PC based, automated cleaning machine with color touch screen. By using non-contact, cleaning technology, it removes process variation by automating the cleaning and prepping cycle while the connectors are still in the polishing fixture.

Features & Benefits

- Repeatable Connector Cleaning Process
- Programmable Cleaning Cycles
- Prevents Contact Cleaning Scratches

Ordering Information

Part Number	Description
APM-HDC-5200	HDC-5200 PC Based Programmable Production Polishing Machine, 100-240VAC and 50/60Hz, CE Marked w/ Standard Accessories
APM-HDC-4000	HDC-4000 Production Polishing Machine, 120VAC, 50/60Hz, w/ Standard Accessories
FPM-HDA-500	HDA-500 Field Polishing Machine, 120VAC 50/60Hz, w/ Standard Accessories
FPM-HDA-600	HDA-600 Field Polishing Machine, 220VAC 50/60Hz, CE Marked w/ Standard Accessories
APM-HDC-2400	HDC-2400 Multimode Polishing Machine for Round Fixtures, 120VAC, 50/60Hz, w/ Standard Accessories
APM-HDC-2700	HDC-2700 Multimode Polishing Machine for Square Fixtures, 120VAC, 50/60Hz, w/ Standard Accessories
DN-RRP-1400	Denubbing Machine for Round Fixtures, 120VAC, 50/60Hz, w/ Standard Accessories
DN-RRP-1700	Denubbing Machine for Sqaure Fixtures, 120VAC, 50/60Hz, w/ Standard Accessories
ACM-PWC-3400	Cleaning Station for Round Fixtures, 120VAC, 50/60Hz, w/ Standard Accessories
ACM-PWC-3700	Cleaning Station for Sqaure Fixtures, 120VAC, 50/60Hz, w/ Standard Accessories

PRODUCTION EQUIPMENT

Domaille Polishing Machines

ABRASAVE Fixtures

Domaille Engineering is pleased to announce the ne ABRASAVE fixture line, the most revolutionary fiber optic polishing equipment solution in decades. This patent pending, mathematically derived design maximizes polishing film usage, allowing for up to a 50% reduction in polishing time while also extending the life of your polishing film media usage by up to 100%.

This fixture line is available in the standard dimensions of previous Domaille fixtures but is also available in a new, square shape that is compatible with both Domaille and Seikoh Giken polishing machines.

Ordering Information

Standard Shape	Square Shape	Description
PFA-FC-18	SFA-FC-18	FC - 18 Pos
PFA-FC8-18 (or 8.3)	NA	FC/APC - 18 Pos
PFA-SC-18	SFA-SC-36	SC - 18 Pos Std. / 36 Pos Sqr.
PFA-SC8-18SS (or 8.3)	NA	SC/APC - 18 Pos
PFA-ST-18	SFA-ST-18	ST - 18 Pos
PFA-LCF-12	NA	LC - 12 Pos
PFA-LCF-18	NA	LC - 18 Pos
PFA-LCF-24	SFA-LCF-36	LC - 24 Pos Std. / 36 Pos Sqr.
PFA-LCDX-12SS	SFA-LCDX-18	LC Duplex - 12 Pos Std. / 18 Pos Sqr
PFA-SMA-18	NA	SMA - 18 Pos
PFA-MT-EZ-12	NA	MT - 12 Pos
PFA-MT-EZ8-12	NA	MT/APC - 12 Pos

Cam-Lock Fixtures

The Dual Cam-Lock fixture was developed to provide a machine polishing solution for pin and socket style connectors that were otherwise left to hand polishing. This plate is available for standard mil spec 38999 contacts as well as broadcast SMPTE, ARINC and TFOCA contacts. Standard diameters include 2.5, 2.0, 1.8, 1.6, 1.25 and 1.0mm, but custom diameters, shapes and geometries can be manufactured. The single hole version allows for one diameter ferrule and the two hole version gives you the option of having two different diameter ferrules.

Ordering Information

Part Number	Description
PF-xxDCL-12	12 Position Dual Cam-Lock (single hole size)
PF-xx-yyDCL-12	12 Position Dual Cam-Lock (two hole sizes)
PFA-xxDCL-12	ABRASAVE 12 Position Dual Cam-Lock (single hole size)
PFA-xx-yyDCL-12	ABRASAVE 12 Position Dual Cam-Lock (two hole sizes)
PFA-DCXNyy-24	ABRASAVE 24 Position Dual Cam-Lock (single hole size)
SFA-xxDCL-18	ABRASAVE Square 18 Position Dual Cam-Lock (single hole size)
SFA-xx-yyDCL-18	ABRASAVE Square 18 Position Dual Cam-Lock (two hole sizes)
SFA-DC290x250-48	ABRASAVE Square 48 Position Dual Cam-Lock (single hole size)

Domaille Polishing Machines

Standard Fixtures

All Domaille fixtures have the added benefit of being able to be used across any of their machines. If you need a particular connector style not listed below, it is likely that Domaille can make it for you. Please contact us for details.

Ordering Information

Part Number	Description	Part Number	Description
PF-D4-12	D4 - 12 Pos	PF-SMA-18	SMA - 18 Pos
PF-FC-12	FC - 12 Pos	PF-FC-18	FC - 18 Pos
PF-FC8-12	FC/APC - 12 Pos	PF-FC8.3-12	FC/APC (8.3°) - 12 Pos
PF-FC8-18	FC/APC - 18 Pos		
PF-FC/SCU-12	FC/SC Unassembled - 12 Pos	PF-FC/SCU-18	FC/SC Unassembled - 18 Pos
PF-FO-12	2.5mm Ferrule - 12 Pos	PF-FO8-12	2.5mm/APC Ferrule - 12 Pos
SF-FO-12R2	Setting Fixture for PF-FO-12 and PF-FO8-12		
PF-FO-24	2.5mm Ferrule - 24 Pos	SF-FO-24	Setting Fixture for PF-FO-24
PF-LCF-12SS	LC FLC* - 12 Pos w/ Scallops**	PF-LCF8-12	LC/APC FLC* - 12 Pos
PF-LC8-12SS	LC/APC - 12 Pos w/ Scallops**	PF-LC8.3-12SS	LC/APC (8.3°)- 12 Pos w/ Scallops**
PF-LCDX-6SS	LC Duplex - 6 Pos w/ Scallops**	PF-LCDX-12	LC Duplex - 12 Pos
PF-LX.5-12	LX.5 - 12 Pos	PF-LX.58-12	LX.5/APC - 12 Pos
PF-MT-EZ-12	MT - 12 Pos	PF-MT-EZ8-12	MT/APC - 12 Pos
PF-MT-10	MT - 10 Pos	PF-MT8-10	MT/APC - 10 Pos
PF-MTRJ-10	MTRJ - 10 Pos	PF-MTRJ8-10	MTRJ/APC - 10 Pos
PF-MU-12	MU - 12 Pos	PF-MUF-24	MU FLC* - 24
PF-SC-12SS	SC - 12 Pos w/ Scallops**	PF-SC-18SS	SC - 18 Pos w/ Scallops**
PF-SC8-12SS	SC/APC - 12 Pos w/ Scallops**	PF-SC8-18SS (or 8.3)	SC/APC - 18 Pos w/ Scallops**
PF-HSE2000DCL8.3-12	E2000/APC H&S - 12 Pos	PF-RME2000DCL8.3-12	E2000/APC R&M - 12 Pos
PF-ST-12S	ST - 12 Pos w/ Scallops**	PF-ST-18S	ST - 18 w/ Scallops**

* Ferrule Length Compensation (FLC) Polishing Fixture

** Polishing fixture has "scallops" around the edges to allow for indexing when used with the ME8800 Micro Enterprises inspection system. See Test & Inspection.

PRODUCTION EQUIPMENT

Domaille Polishing Machines

Polishing Machine Accessories

Ordering Information

Part Number	Description	Part Number	Description
PM12525	Timer cover, hard	PM12524	Timer cover, soft
PM12611	Panel Meter Cover (HDC-4000)	PM21012	HDC-5000 dust cover
PM12200TL	Pry Tool	LC REP KIT	Black plastic inserts, screws, pins
LCDX 6 REP KIT	LC 6 duplex port repair kit	LCDX 12 REP KIT	LC 12 duplex port repair kit
SC REP KIT	Black plastic inserts, screws, pins	SC REP KIT SS	Black plastic inserts, screws, pins
SC-18 REP KIT	Black plastic inserts, screws, pins	SCDC REP KIT	Black plastic inserts, screws, pins
PF10070	Fixture clamp screw	FC/SC UNASM NUT	SC/FC unassembled slotted nuts
PM12553	Koby air filter	PM10154	Air Line Assembly
PM12649	Platen grease	TRIFLOW2OZ	2oz. Tri-Flow Oil
MT52000	MT/MTRJ Cable Management Device	MT52010	Torque screwdriver for MT/MTRJ fixtures
PM10121	Load cell gauge block (HDC-4000)	PMTF-220-110	Transformer
FIXT.BRUSH 2.5	Cleaning brush for 2.5mm	FIXT.BRUSH 1.25	Cleaning brush for 1.25mm
Glass Plates & Rubber Pads			
FPM12200	4 1/8" Glass Plate	PM12200	5" Glass Plate
FPM21000-65	4 1/8" 65 durometer rubber pad (5 min)	PM12100-65	5" 65 durometer rubber pad (5 min)
FPM21000-70	4 1/8" 70 durometer rubber pad (5 min)	PM12100-70	5" 70 durometer rubber pad (5 min)
FPM21000-80	4 1/8" 80 durometer rubber pad (5 min)	PM12100-80	5" 80 durometer rubber pad (5 min)
FPM21000-90	4 1/8" 90 durometer rubber pad (5 min)	PM12100-90	5" 90 durometer rubber pad (5 min)

PRODUCTION EQUIPMENT

Domaille Polishing Machines

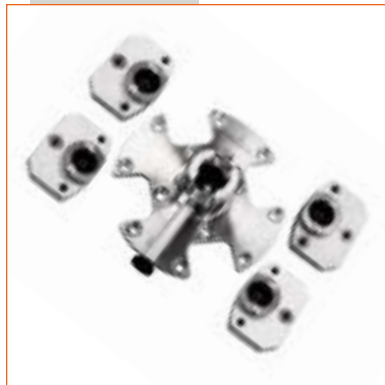## MT Single Port Polishing System

This unique fixture is designed to hand polish MT Connectors in low volume, prototyping or repair situations. This design uses Domaille Engineering's patented MTEZ ferrule holding system and is available in either flat or 8° angled configuration. This system includes hand puck, glass plate, containment disk and pry tool.

Features & Benefits

- System includes hand puck, glass plate, containment disk and pry tool
- Patented easy loading MT-EZ clamping system
- Spring loaded for even pressure control
- Ground carbide feet on fixture for accuracy and durability
- Torque wrench available for repeatable process

Ordering Information

Part Number	Description
MT-EZ 0 POL KIT	MT Single Port Polishing System. Includes hand puck, glass plate, containment disk and pry tool.
MT-EZ 8 POL KIT	MT 8º Single Port Polishing System. Includes hand puck, glass plate, containment disk and pry tool.
PF-MT-EZ-1	Domaille MT Single Port Polishing Fixture
PF-MT-EZ8-1	Domaille MT 8º Single Port Polishing Fixture

Prototype Fixtures

Specially designed for prototyping connectors, this unique fixture has a universal base which can hold up to four different standard or custom inserts for process development of new connectors. It can also be used for reqorking low quantities of connectors or to support low volumes of custom connectors.

Ordering Information

Part Number	Description
PF-VC-4	Universal Prototype Fixture Base. Requires four (4) inserts for operation.
VC-XX	Universal Prototype Fixture Insert (standard/straight)
VC-XXA	Universal Prototype Fixture Insert (custom/angle)

PRODUCTION EQUIPMENT

Ultra Tec Polishing Machines

ULTRA TEC polishing machines provide a great solution for the user who doesn't need a full blown, heavy duty, production machine, needs to operate within a budget or needs ultra portability. With all the standard connectors covered, robust systems can be put together to handle multiple connector styles at an economical price.

FTTx - Portable Fiber Polisher

Developed for 'In-the-field' and 'Retro-Polishing' applications, the FTTx portable connector/termini/contact polisher from ULTRA TEC provides the performance required by installation professionals for the FTTx, LAN, CATV, and Aircraft/shipboard applications.

The polisher can be held at any desired angle during operation. This allows for true portable operation in small workspaces, cross-connects, fiber nodes and wire closets. The unit can be operated with either a battery pack or a power supply (both included with standard package).

The standard package for the unit incorporates all the items you need for a fully configured system:

- Portable Polisher
- 5 Resilient Polishing Platens
- 12V Converter
- Battery Pack & Charger
- Carrying Case

CTC - Benchtop Polisher

CTC can be used at the bench-top or in the field. The simple logistics of the unit make it extremely user-friendly. No previous experience is needed to operate the unit.

CTC utilizes the unique 'Fiber Positioning System' that is shared by other models of ULTRA TEC equipment. This 'System' allows for easy height and pressure control that is needed for different brands and types of connectors. A timer control allows for pre-defined polishing instruction.

The standard package for the unit incorporates all the items you need for a fully configured system:

- Polisher
- 12V Converter
- 5 Resilient Polishing Platens

UT-MINIPOL-1 - Single Position Polisher

UT.MINIPOL.1 provides many of the features of larger polishing units in a small benchtop package. Perfect for users with small production batches or operating with a limited budget as it works with most connector types including SC, FC, ST, D4, SMA and Bare fiber.

The system can be powered by 110 or 220 VAC converter or by a standard 12V battery. A wide variety of Workholders are available for extending the use of the system at any time

Ordering Information

Part Number	Description
9005.4	Ultra Tec FTTX Four Position Portable Polisher
8802.4	Ultra Tec CTC Four Position Fiber Polisher
8801.1	Ultra Tec UT-MINIPOL-1 Single Position Polisher
8801.3	Ultra Tec UT-MINIPOL-1 Single Position Polisher (Bare Fiber Package Includes 2890.1)

PRODUCTION EQUIPMENT

Ultra Tec Polishing Machines

Polishing Fixtures

Ordering Information

| Type | FTTX or CTC | | UT-MINIPOL-1 |
	4-Pos	2-Pos	1-Pos
LC	4315.1	4215.1	2815.1
LC/APC	4315.8	4215.8	2815.8
MU	4313.1	4213.1	2813.1
MU/APC	4313.8	4213.8	2813.8
SC	4305.1	4205.1	2806.1
SC/APC	4305.8	4205.8	2806.8
FC	4314.1	4214.1	2814.1
FC/APC	4314.8	4214.8	2814.8
ST	4304.1	4204.1	2804.1
ST/APC	NA	4204.8	2804.8
2.5mm Ferrule	4311.1	4211.1	2811.1
2.5mm/APC Ferrule	4311.8	4211.8	2811.8
1.25mm Ferrule	4311.2	4211.2	2811.2
1.25mm/APC Ferrule	4311.9	4211.9	2811.9
905 SMA	4303.5	4203.5	2803.5
906 SMA	4303.6	4203.6	2803.6
Contact Holder Assembly (specify contact O.D. & type)	4311.XX	4211.XX	2811.XX
Bare-fiber Workholder (flat polishing only-specify diameter)	NA	NA	2890.1

Accessories

Ordering Information

| Part Number | Description | For Use With | | |
		FTTx	CTC	UT-MINIPOL-1
4093.1	2" Resilient Surface Disc (PC)	x	x	
4094.1	2" Hard Surface Disc (Flat)	x	x	
6593.1	4" Resilient Surface Disc (PC)			x
6594.1	4" Hard Surface Disc (Flat)			x
4025.1	110VAC/12VDC Adapter			x
4026.1	220VAC/12VDC Adapter	x	x	x
4027.1	Battery & Battery Pack	x	x	x
4028.1	Battery Charger	x	x	x
4024.1	Auto Plug-in Adapter			x
4030.1	Carrying Case		x	x
4030.2	Carrying Case	x		
4301.1	4-Position Head Assembly	x	x	

PRODUCTION EQUIPMENT

Production Cleaning Systems

Domaille
Air Cleanse Wand Kit

The Domaille Engeineering Air Cleanse Cleaning Wand kit is an innovative hand held cleaning wand. It has an integrated pressurized cleaning system for debis free cleaning operations. Designed for integration into the Domaille polishing machine, the Air Cleanse Wand will remove polishing media for almost any surface including the polishing fixture, film or machine.

Features & Benefits

- Can accurately spray air, fluid or pressurized mist.
- Special 2µm filtering system eliminates process variables associated with contaminated cleaning fluids
- Can be used to lubricate polishing film between process steps
- Lightweight, hand held devices for ease of use.

Ordering Information

Part Number	Description
CW-2000	Domaille Engineering Air Cleanse Wand Kit

PRODUCTION EQUIPMENT

Multi-Purpose Ultra Sonic Cleaners

Bransonic
2800 Series Tabletop Ultra Sonic Cleaners

Ultrasonic cleaning is faster, more consistent, and safer than any other method. Hand scrubbing, soaking, or steam doesn't even come close. The Bransonic® table top cleaners now include the same high power, rugged transducers found on industrial systems sold to the automotive, electronics, and metalworking industries. These Langevin-type metal/ceramic devices use engineered ceramics to assure both durability and superior power. Coupled with a new sweep frequency capability, you get the best possible cleaning every time, all the time.

Fiber Optic Center recommends this model cleaner with the 100-032-517 tank cover and the 100-916-334 mesh basket for periodic cleaning of polishing machine connector fixtures. This machine and a simple 60/40 mix of de-ionized water and isopropyl alcohol is all you need to ensure a contaminant free plate.

Features & Benefits

- Consistent enough to meet medical and laboratory standards
- Rugged Enough for Industry
- Safe enough for delicate electronic parts and precious jewelry
- Digital Control Plus Heat & Timer
- Mechanical Timer Plus Heat
- Mechanical Timer
- Cover Included
- Two Year Warranty

Technical Specifications

Overall Size	13.5" x 12" x 11.5"
Tank Size	9.5" x 5.5" x 4"
Weight	9 lbs
Frequency	40 kHz

Ordering Information

Part Number	Description
M2800	Branson Tabletop Ultrasonic Cleaner with Mechanical Timer.
M2800H	Branson Tabletop Ultrasonic Cleaner with Mechanical Timer and Heat Control
CPX2800H	Branson Tabletop Ultrasonic Cleaner with Digital Timer and Heat Control

Accessories

Part Number	Description
100-032-517	Tank Cover
100-410-172	Solid Tray
100-410-162	Perforated Tray
100-032-518	Beaker Cover (2-600 ml)
100-32-527	Beaker Cover (2-250 ml)
CPN-916-040	Support Rack

Connector Cleaning Systems

Seikoh-Giken

SPR1 Ferrule Pro
Automated Patchcord Cleaner

FerrulePro is fully automated desktop cleaner for optical fiber connectors. FerrulePro provides consistant cleaning results and reduces cleaning time and cost. One replaceable cassette can clean more than 10,000 terminations. Operation is as easy as connector is pushed and the machine cleans endface within 3 seconds.

Features & Benefits

- Efficient, consistent cleaning results
- Unique self-starting holding chuck
- Significantly reduced production cycle time
- High speed cleaning (20 connectors / min)
- Hands-free cleaning of fiber ferrules & connectors
- Eco-friendly replaceable cleaning cassettes
- 10,000 cycles per cleaning cassette

Ordering Information

Part Number	Description
SPR1	FerrulePro, Automated Patchcord Cleaner
SPR-10K	FerrulePro Replacement Cassette
SPR-H1	FerrulePro SC/PC & FC/PC Chuck
SPR-H2	FerrulePro 2.5mm/PC & ST/PC Chuck
SPR-H3	FerrulePro 1.25mm/PC, LC/PC & MU/PC Chuck
SPR-H4	FerrulePro SC/APC Chuck
SPR--H5	FerrulePro FC/APC Chuck
SPR-H6	FerrulePro LC/APC Chuck
SPR-H7	FerrulePro MU/APC Chuck
SPR-H8	FerrulePro MT/PC Chuck
SPR-H9	FerrulePro MPO/PC Chuck
SPR-H11	FerrulePro LC/PC Duplex Chuck
SPR-AC	FerrulePro AC Power Adapter (110V)
SPR-CABLE-A	FerrulePro Power Cord
SPR-SCREW-01	FerrulePro Access Door Screw

PRODUCTION EQUIPMENT

Connector Cleaning Systems

PRODUCTION EQUIPMENT

Westover CleanBlast
Bench-Top and Portable Connector Cleaning Systems

Westover Scientific's line of CleanBlast™ systems provide rapid, controlled cleaning and removal of contamination from fiber optic connector end-faces. This patent-pending design utilizes a connector interface that creates a flow of highly-filtered gas across the surface of the fiber. A solvent is then introduced and atomized to create a cleaning mist. All exhaust is reclaimed through a controlled retrieval circuit. The quick-drying solvent used is non-flammable, non-conductive, and residue-free.

• Faster, more effective, and less costly than using swabs or other methods.
• Excellent at removing - instead of spreading - debris and oils around the ferrule surface.

The Bench-Top Systems are most commonly used in production, manufacturing, and QC environments. They are high-throughput, low-maintenance systems and require a clean, compressed air source. The Portable series are complete systems contained inside a rugged Pelican® 1450 transport case. They are ideal for mobile and field applications or for areas where there is no regulated, compressed air supply available - the Portable series contain a built-in compressor.

Patchcord Cleaning System

The Patchcord cleaning module is connected to a CleanBlast™ Bench-Top System base unit via a 5 ft. umbilical hose, and precision interchangeable cleaning Adapters allow for cleaning of connectors on a patch cord. The Patch Cord module can be secured to a workbench using the mounting holes located on the base of the unit.

Ordering Information

Part Number	Output	Description
FCL-B3000	Analog	CleanBlast™ Bench-Top System; Dual Bulkhead and Patch Cord module, Univ. 2.5mm tip & Adapter
FCL-B4000	Analog	CleanBlast™ Bench-Top System; Patch Cord Module; Univ. 2.5mm Adapter
FCL-B4100	Digital	CleanBlast™ Bench-Top System; Patch Cord Module; Univ 2.5mm Adapter

Bulkhead Backplane Connector Cleaning System

The bulkhead handset was designed to clean connectors that are mounted with bulkheads, devices, or alignment sleeves using the CleanBlast™ tips. This handset can also be used to clean patch cords with the use of compatible CleanBlast™ Mating Adapters.

Ordering Information

Part Number	Output	Description
Bench-Top Systems		
FCL-B1000	Analog	CleanBlast™ Bench-Top System; Bulkhead Handset; Univ. 2.5mm tip
FCL-B1000-22	Analog	CleanBlast™ Bench-Top System; Bulkhead Handset; Univ 2.5mm tip; 22' Umbilical
FCL-B1100	Digital	CleanBlast™ Bench-Top System; Bulkhead handset; Univ. 2.5mm tip
Portable Systems		
FCL-P1100	Digital	CleanBlast™ Portable System; Bulkhead handset; Univ. 2.5mm tip
FCL-P1100-08	Digital	CleanBlast™ Portable System; Bulkhead handset; Univ. 2.5mm tip; 8' umbilical

Connector Cleaning Systems

90° Bulkhead Backplane Termini Cleaning Systems

This handset is particularly useful when cleaning termini inside Mil type connectors mounted in hard to reach locations.

Ordering Information

Part Number	Output	Description
Bench-Top Systems		
FCL-B2000	Analog	CleanBlast™ Bench-Top System; w/ 90° handset; Univ. 2.5mm tip
FCL-B2000-22	Analog	CleanBlast™ Bench-Top System; w/ 90° handset; Univ. 2.5mm tip; 22' Umbilical
FCL-B2100	Digital	CleanBlast™ Bench-Top System; w/ 90° handset; Univ. 2.5mm tip
Portable Systems		
FCL-P2100	Digital	CleanBlast™ Portable System; w/ 90° handset; Univ. 2.5mm tip

Backplane Long Reach Connector Cleaning Systems

The CleanBlast™ backplane wand was specifically designed for long-reach backplane applications. The removable rigid rod attaches to a specially designed handset and can be configured to work with either Bench-Top or Portable CleanBlast™ Systems. The standard length wand is 12" long.

Ordering Information

Part Number	Output	Description
FCL-B6000	Digital	CleanBlast™ Bench-Top System; Digital; Back-plane Wand for Motherboard Cleaning
FCL-P6100	Digital	CleanBlast™ Portable System; Digital; Back-plane Wand for Motherboard Cleaning

Transceiver Cleaning Systems

This innovative workstation is designed for both cleaning and inspecting optical transceivers. The cleaning/inspection module utilizes a CleanBlast™ Bench-Top System, the Westover Scientific FBP-P5 dual-magnification Video Inspection Probe, and a 6.4" TFT LCD for quick inspection of the fiber stub or ball lens before and after cleaning. Inspection and cleaning tips are available for both SC and LC connector interfaces.

Ordering Information

Part Number	Output	Description
FCL-B5000	Analog	CleanBlast™ Transceiver System w/ Analog dual mag probe 6.4" LCD; No tips
FCL-B5100	Digital	CleanBlast™ Transceiver System w/ Digital dual mag probe 6.4" LCD; No tips

PRODUCTION EQUIPMENT

Connector Cleaning Systems

CleanBlast Tips & Adapters

CleanBlast™ tips are used with the Bulkhead set while the adapters are used with the patch cord module.

Ordering Information

Part #	Description	Part #	Description
FCLT-U25	Universal 2.5mm Bulkhead Cleaning Tip; for SC, ST, FC connectors.	FCLT-U25-MA	Universal 2.5mm Cleaning Tip & Mating Adapter for patch cord assemblies.
FCLA-U25	Universal 2.5mm Cleaning Adapter for patch cord assemblies.	FCLA-U12	Universal 1.25mm Cleaning Adapter for patch cord assemblies.
FCLT-U12	Universal 1.25mm Bulkhead Cleaning Tip; 2" in length.	FCLT-U12-MA	Universal 1.25mm Cleaning Tip & Mating Adapter for patch cord assemblies.
FCLT-U12X	Universal 1.25mm Cleaning Tip, 1" in length; made with hardened stainless steel.	FCLA-LC	LC Cleaning Adapter for patch cord assemblies.
FCLT-LC	LC Bulkhead Cleaning Tip.	FCLT-LC-A6	LC Bulkhead Cleaning Tip, Angled at 60°.
FCLT-E2-250	E2000 Bulkhead Cleaning Tip. (2" length)	FCLA-E2	E2000 Cleaning Adapter for patch cord assemblies.
FCLT-SCX	SC Bulkhead Cleaning Tip, 1" in length; made with hardened stainless steel.	FCLT-SC-250	SC Bulkhead Cleaning Tip, 2" in length.
FCLT-SC-A6	SC Bulkhead Cleaning Tip, Angled at 60°.	FCLT-SCFC-A6	SC or FC Bulkhead Cleaning Tip, Angled at 60°.
FCLT-MT	MT Bulkhead Cleaning Tip.	FCLT-MT45	MT Cleaning Tip, Angled at 45°.
FCLT-MT-MA	MT Ferrule Cleaning Tip & Mating adapter for patch cord assemblies.	FCLT-VME-MB-A6	CleanBlast™ MT-VME Motherboard Cleaning Tip, Angled at 60°.
FCLT-MT-MB	MT Motherboard Cleaning Tip.	FCLT-MT-MB-JSF	MT Motherboard Cleaning Tip, for Joint Strike Fighter (JSF) Program.
FCLT-MTP	MTP Bulkhead Cleaning Tip.	FCLT-MTP-A6	MTP Bulkhead Cleaning Tip, Angled at 60°.
FCLT-MTP-MA	MTP Cleaning Tip & Mating Adapter for patch cord assemblies.	FCLT-MPX	MPX Bulkhead Cleaning Tip.
FCLT-HBMT1	HBMT Bulkhead Cleaning Tip.	FCLT-HBMT2	HBMT Dual Bulkhead Cleaning Tip.
FCLT-HBMT2-DC	HBMT Dual Daughtercard Bulkhead Cleaning Tip.	FCLT-MTRJ	MTRJ Bulkhead Cleaning Tip.
FCLT-MIL1	MIL29504/14/15 Cleaning Tip for pin & socket termini.	FCLT-MIL1-R	MIL29504/14/15 Cleaning Tip for pin & socket termini. Rugged w/ safety trigger.
FCLT-MIL2	MIL29504/4/5 Cleaning Tip 38999, for pin & socket termini.	FCLT-MIL2-R	MIL29504/4/5 Cleaning Tip 38999, for pin & socket termini. Rugged w/ safety trigger.
FCLT-MIL2-A6	MIL29504/4/5 Cleaning Tip 38999, for pin & socket termini. Angled at 60°.	FCLT-MIL2-CPA	Glenair probe adapters Cleaning Tip.
FCLT-TFOCA1	TFOCA1 Cleaning Tip for pins & sockets termini.	FCLT-TFOCA2	TFOCA2 Cleaning Tip and Guide for pins & sockets termini.
FCLT-SMA	SMA Bulkhead Cleaning Tip.		

Parts & Accessories

Part #	Description	Part #	Description
FCLP-SOL1	CleanBlast™ solvent; refill 8 oz. bottles.	FCLP-SOL1-6	CleanBlast™ solvent, refill 6, 8 oz. bottles.
FCLP-SOL4	CleanBlast™ Solvent Refill, 8 oz., Mild Ionic.	FCLP-CVA1	Check Valve, Field Replacement Assembly.
FCLP-CH12	Coil Hose Assembly, 12', rated @ 250 psi.	FCLP-CH25	Coil Hose Assembly, 25', rated @ 250 psi.
FCLP-H1	FCL Handle for Bench-Top Systems.	FCLP-FA-F1	Filter, Air, 0.01u, 1/8" NPTF.
FCLP-FE-01	Exhaust Filter Kit for Bench-Top Systems.	FCLP-FE-02	Filter, 5" cartridge, activated carbon.
FCLP-RCA-1	Bottle Cap Refill Assembly.		
VM-LCD-64	LCD, Color, 6.4".	VM-LCD-64B	LCD, Color, 6.4" w/Mounting Bracket for Clean Blast Bench Top Models.

PRODUCTION EQUIPMENT