



WAVECOM

Fibre Hygiene Range

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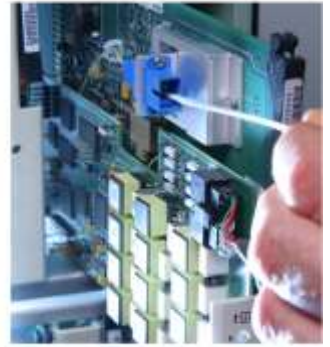
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**Chemtronics[®]
& FOCCUS[™]**

PRECISION CLEANING PRODUCTS

Properly cleaned fiber optic connectors and PCB components provide high reliability and lower warranty claims.



PRECISION CLEANING

WHY IS FIBER OPTIC CONNECTOR CLEANING SO CRITICAL?

*Reduced bandwidth and dropped connections are often a symptom of connector contamination. Future proof installations with **Combination Cleaning[™]**, the process designed for today's multiple megabyte connections and beyond. Use **Combination Cleaning with FOCCUS** to clean the first time... every time!*

- ▶ Increased bandwidth
- ▶ Faster connection speeds
- ▶ Fewer dropped connections
- ▶ Reduced IT diagnostic costs



INTRO-DATACOM

The Combination Cleaning Process

FOCCUS products are designed for optimal cleaning of connectors using **Combination Cleaning[™]** process. The end face is passed through a lightly moistened spot on the lint-free wiper, then drawn into the dry area. The large cleaning platform assures the proper angle for UPC and APC connectors.

Combination Cleaning is industry proven, exceeding IEC 61300-3-35, IEC TR62627-01, and meeting Telcordia GR-2923-CORE and SAE Aerospace AIR6031.



COMBINATION CLEANING_GRAY

FOCCUS Combination Cleaning - Clean first time... Every time!



Contaminated connector



Connector after FOCCUS[™] Combination Cleaning[™]

Dry wiping materials can smear oils, not fully remove dry particulates, and can create a static field that attracts and holds onto additional debris. Wet cleaning can oversaturate connectors, drawing up contamination from around the ferrule as specified in IEC 61300-3-35. **Combination Cleaning** gives you reliable cleaning of the widest range of debris and contamination over the complete end face the first time... every time! Without this technique, additional cleaning passes, jumper replacement or redo of the deployment may be required.

1ST TIME CLEANING_GRAY

FerruleMate 2.0

The FerruleMate 2.0 offers the widest cleaning area on the market today. Connector cleaning performance is guaranteed as the FerruleMate 2.0 cleans beyond the critical fibre core and deep into the contact area. The FerruleMate 2.0 is a remarkable evolution for its combination of Durability, Reliability, Simplicity & Low Cleaning Cost.

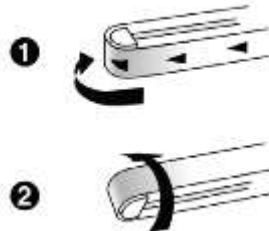
Key Features

- Patented 360 degree Rotational Tip provides extra wide cleaning.
- Easy one-push operation with extendable/retractable contoured nozzle.
- Highly effective cleaning via lint free non-woven micro fibre with zero static.
- Unit comes with magnetic strip to stick to the cabinet so it's easy to find
- 800+ cleanings per unit = Ultra low cost per connector cleaned.
- Static dissipative plastic resin body and tape feed is safe for ESD work.
- FC/SC/ST Cleaner Pen, Universal 2.5mm O.D. Ferrule Application.
- LC/MU Cleaner Pen, Universal 1.25mm O.D. Ferrule Application.
- MTP/MPO Multi-Fibre Plastic Ferrule Application exceeds industry requirements.
- Compliant with EU/95/2002/EC Directive (RoHS).



Patented Cleaning Technology

1. Slide-Guide™ non-slip micro tape feeder guarantees high reliability
2. Dual Rotational tip provides superior ferrule endface cleaning

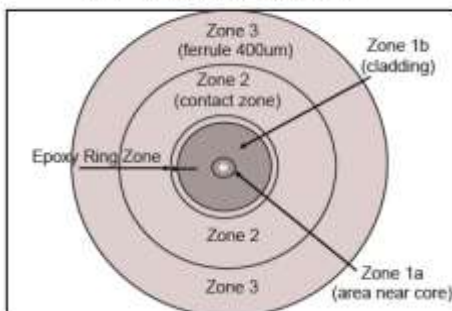


ferrule mate 2.0

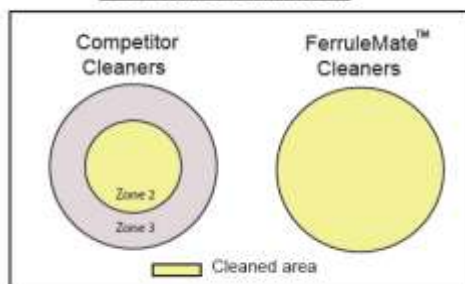
Specification / Ordering Information

Part Number	SFM2.0-250	SFM2.0-125	SFM2.0-MPO
Image			
Specification	L230 x W30 x H40 mm (Including cap)		
Weight	85g		
Cleaning per unit	800+		500+
Applicable Connector/ Adaptor	SC/ FC/ ST/ 2.5mm (PC & Angle PC)	LC/ MU/ 1.25mm (PC & Angle PC)	MPO (PC and Angle PC)

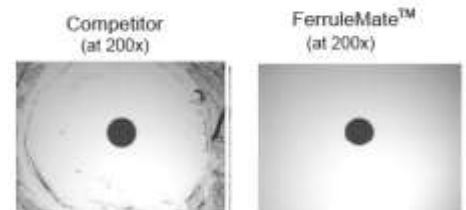
Ferrule Inspection Standard



Contact Area Comparison



Actual Cleaning Results



Cleaning area by FerruleMate™ is 4x larger than that of competitor

HandiMate 503



The new, enhanced HandiMate cleaner incorporates a synthetic cleaning cloth offering greater durability, usability and improved reliability. The SHM-503 results in a handheld connector cleaner that is strong enough for aggressive cleaning of a wider range of contaminants, soils and end-face debris. Stable, consistent, cleaning performance regardless of operator skill thanks to its patent pending Slide-Guide™ connector holder.

Patented Cleaning Technology

- Extra durable, compact and highly reliable cleaner for connector end-face suitable for cleaning in the field and factory.
- Automatic “Clean & Advance” tape technology provides a fresh cleaning surface for each use eliminating waste and guaranteeing long tool life.
- Packaged in a handy palm sized unit, enables more than 500 times cleans.
- Works with both Simplex & Duplex applications.
- ESD Anti-static materials.
- Supports both PC and APC endface designs.
- Aggressively priced when compared to other hand-held field cleaning tools.

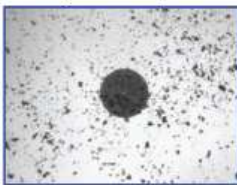
Specification / Ordering Information

Part Number	SHM-503
Applicable Connectors	Simplex SC, FC, ST, LC and MU (For PC and APC) Duplex LC/PC (Standard Pitch 6.25 and Narrow Pitch 5.25mm) Duplex MU/PC (Standard Pitch width 4.5mm)
Dimensions	H110xW68xD28 mm (Cap opened)
Weight	80g
Operating Method	Automatic Slide-Guide feed system
Usable Life	Over 500 times

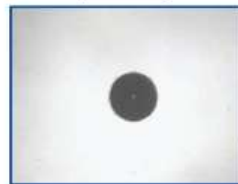
Cleaning Performance

Dust

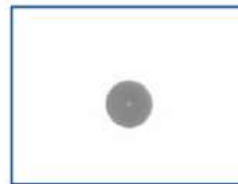
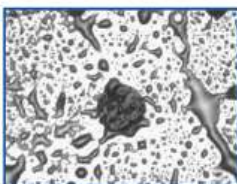
Before



After



Skin Oil




Inspection criteria: IEC 61300-3-35

QbE Fiber Optic Cleaning Platform



The precision wipe platform for cleaning fiber optic end faces. Large, flat continuous FiberSafe™ cleaning platen provides the right amount of give to wrap around the end face for 1st time cleaning.

Applications:

- Cleans SC/LC UPC and APC connectors

Part #QBE 200 perforated wipes/bx, 2.75" x 3" (7.0cm x 7.6cm)

QBE

FSW™ Fusion Splice Wipe



This unique perforated wiper is designed to capture coating and cladding residues from the cleaving step. Use dry or entire tub can be saturated on-site with the preferred cleaning solvent. Wipes are non-scratching, non-linting, soft and absorbent.

Applications:

- Fusion splice prep
- General precision equipment and workspace clean-up
- Final wiping cable

Part #FSP100DRY 100 wipes per mini-tub, 3" x 3" (7.6cm x 7.6cm)

FSP100DRY

Fiber-Wash™ MX Fiber Optic Cleaning Pen



The convenient pen dispenser with a powerful and efficient cleaner. Designed for removing aggressive soils, yet still safe on sensitive plastics. Effectively and efficiently removes handling soils, dust, oils, greases and contamination found in the fiber optic environment; especially the FTTx environment.

Applications: Fiber optics connectors & cable splices

Part #FW2150 9g pen, blister carded
#FW2150BLK 9g pen, uncarded bulk pack

FW2150

Fiber-Wash™ NF Fiber Optic Cleaning Pen



The convenient pen dispenser with the nonflammable, fast drying transportable cleaning solvent. Combines the safety of a nonflammable solvent with the efficiency of fast evaporation. Effectively and efficiently removes handling soils, dust, oils, greases and contamination found in the fiber optic environment; especially the FTTx environment.

Applications: Fiber optics connectors & cable splices

Part #FW2170 10g pen

FW2170

Chempad™ Presaturated Wipe



General purpose, presaturated lint-free cleaning wipe. Contains ultra pure blend of 91% IPA/9% deionized water. Quickly removes dust, oils and contaminants.

Applications:

- Ideal for cleaning fiber optic connectors
- Cleans dirt, oils, and particles

Part #CP400 50 single pack presaturated pads

CP400

Fibre Optic Cleaning Swabs

2.5mm Precision Fibre Optic Swabs

Ideal precision cleaning swab for cleaning 2.5mm fibre optic connector



Some swabs available in durable, field-ready packaging

Product	Qty	Swab Length	Handle Width	Head Length	Head Thickness	Head Width	Handle Material	Head Material
25183F	50/tube	152mm	2mm	25mm	2.5mm	2.5mm	Polypropylene	Proprietary Foam Material
25183	100/pkt							

1.25mm Precision Fibre Optic Swabs

Ideal precision cleaning tool for 1.25mm fibre optic connectors, back plane connectors & SFP's

Product	Qty	Swab Length	Handle Width	Head Length	Head Thickness	Head Width	Handle Material	Head Material
25123F	50/tube	152mm	2mm	17mm	1.25mm	1.25mm	Polypropylene	Proprietary Polyester
25123X	100/pkt							

V-Groove & Ferrule Cleaning Swabs

Swab for V-groove and ferrule cleaning

Product	Qty	Swab Length	Handle Width	Head Length	Head Thickness	Head Width	Handle Material	Head Material
38542F	50/tube	69mm	2.3mm	117mm	1mm	3mm	Polypropylene flexible tip	Non-woven Polyester

Fusion Splice Mirror Cleaning Swabs

Cleanroom laundered fabric formed into a unique tool for fusion splice mirror cleaning

Product	Qty	Swab Length	Handle Width	Head Length	Head Thickness	Head Width	Handle Material	Head Material
51125F	15/tube	71mm	2.5mm	10mm	6.5mm	5.7mm	Glass filled Nylon	Knit Polyester

