

**Precautions:**

- Be sure to turn off any laser sources before inspecting any fiber connectors, optical components, or bulkheads.
- Always wear the appropriate safety glasses. Be sure laser safety glasses meet federal and state regulations and are matched to the lasers used in your environment.
- Never look into a fiber or bulkhead while the system lasers are on, and never connect a fiber to a fiberscope while the system lasers are on.
- Never touch the end face of the fiber connectors.



**Features & Benefits**

- Cleans connections on backplanes and jumpers
- Superior for FTTh, FTTt, and FTTn
- Effective for the widest range of contaminants
- Easy to use for quick and reliable cleaning
- Rugged and durable, great for all work sites
- Designed for 1st time cleaning of up to 600 cleanings per kit

Sales: [sales@softing.us](mailto:sales@softing.us)  
 Support: [support@softing.us](mailto:support@softing.us)  
<https://itnetworks.softing.com/us/xpertclean/>

7209 Chapman Hwy  
 Knoxville, TN USA 37920  
 Tel: +1.865.251.5252  
 Fax: +1.865.579.4740

**XpertClean CleanMachine**

**XpertClean For Optimal Fiber Optic Cleaning**

Softing products are designed for optimal cleaning of connectors using the XpertClean process. The last thing you want performance degradation due to a dirty fiber optic end face in the connector, or even worse, dust on one end face ground into the end face of the mating connector scratching the surface causing permanent damage.

Instead, when disconnecting fiber optic connectors or before connecting fiber optic cables, best practice is always to clean the end face, save a picture of the end face using your fiber optic microscope, and then test the cable.

**The CleanMachine with XpertClean process gives first time cleaning for all common soils:**

- Finger oils
- Mineral oils and grease
- Gels & pulling lubricants
- Dust, dirt & carbon
- Water & salt residue & more

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

Dry media 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 viewed in IEC 61300-3-35. The result is unreliable cleaning processes that provide unreliable results. Without XpertClean additional cleaning passes, replacement jumpers or connectors will be required.



**2.5mm**

CleanMachine for ST,SC,FC Fiber Optic End Faces

ST, SC, FC Connection Kit (Part #: XC-AC-CKIT-STSCFC)

**Kit Contains:**

- 1 CleanMachine tool for 2.5mm ST,SC, FC end faces
- 2 CleanWash fiber optic cleaning pen
- 1 CleanSwab 2.5mm foam swabs
- 1 Box of CleanStrip foam platen



**1.25mm**

CleanMachine for LC Fiber Optic End Faces

LC Connection Kit (Part #: XC-AC-CKIT-LC)

**Kit Contains:**

- 1 CleanMachine tool for 1.25mm LC end faces
- 2 CleanWash fiber optic cleaning pen
- 1 CleanSwab 1.25mm foam swabs
- 1 Box of CleanStrip foam platen



**MPO**

CleanMachine for MPO Fiber Optic End Faces

MPO Connection Kit (Part #: XC-AC-CKIT-MPO)

**Kit Contains:**

- 1 CleanMachine tool for MPO end faces
- 2 CleanWash fiber optic cleaning pen
- 1 CleanSwab MPO foam swabs
- 1 Box of CleanStrip foam platen

# CleanMachine

## Fast, Effective Bulk Fiber

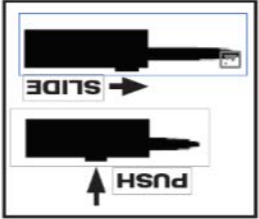
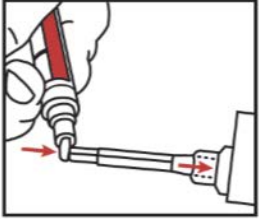
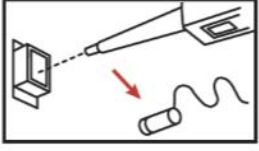
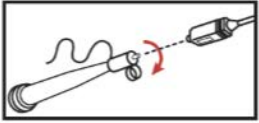

### Connector End-Face Cleaning

The CleanMachine provides a fast, simple method of fiber optic cleaning. End faces in bulkheads or on cable assemblies are both effortlessly cleaned the first time . . . every time. The CleanMachine has an easy to use mechanism that advances fabric over a cleaning tip with just a short push and click of the tool. Using the CleanMachine with the CleanWash Pen is part of the fast, easy and repeatable XpertClean process.



- Cleans connectors on back plane and on jumpers
- Effective for the widest range of contaminants
- Easy to use for quick and reliable cleaning
- Rugged and durable, great for all work sites
- Up to 600 cleanings per kit

### Directions for use:

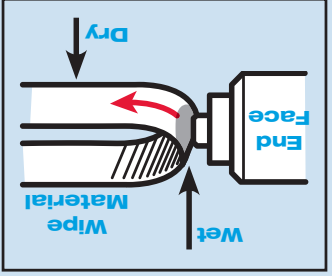
- 1 
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- 4 
- 5 
- 6 

- 1 Extend the cleaning tip by pushing the thumb notch and sliding the tip forward.
- 2 Depress the felt tip of the pen on a hard, clean surface to start cleaning solution flow.\*
- 3 Moisten tool tip by:
  - a) Removing the tool cap to expose cleaning tip
  - b) Touching tool opening to pen tip
  - c) Depressing tool to first 'stop' or until resistance is felt
  - d) Hold for 3 seconds
- 4 Insert the cleaning guide directly into the bulkhead to be cleaned. Push in gently until tool clicks. Recap tool and pen when finished.
- 5 For cleaning a patch cord connector, place cap back onto the tool tip. Flip open top and push connector end face onto moistened cleaning area. Depress tool until clicking is heard. Remove connector.
- 6 Recap tool and pen when finished to maintain cleanliness.

# CleanStrips and Clean Swabs

## For hard to reach fiber end face cleaning

1. Place one strip on CleanStrip foam platen.
2. Apply small amount of CleanWash Pen (about 1" in diameter) onto one end of the strip.
3. Hold end face 90°. Adjust for an APC connection by slightly tilting the container or end face. Angle is correct when no drag is felt on the end face.
4. Draw end face from wet to dry part of the strip 3 times. Use gentle pressure, just enough to ensure complete contact between end face and the strip.
5. Moisten swab tips (or probe tools) the same way. Insert the swab through the alignment sleeve and turn it 2-3 times when it reaches the back plane end face. Inspect and dry if necessary.



Apply a drop of CleanWash on the cleaning tip fabric. Next, the CleanMachine click passes the fabric over the end face, dissolving, removing and drying the end face. This provides cleaning and drying in one simple step.



Flip open cap for cleaning connectors



Remove cap for cleaning adapters and bulkheads

