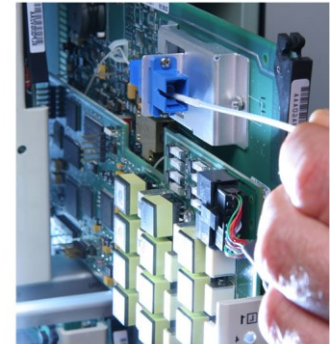


## FIBER OPTIC CLEANING GUIDE



### PRECISION CLEANING PRODUCTS

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



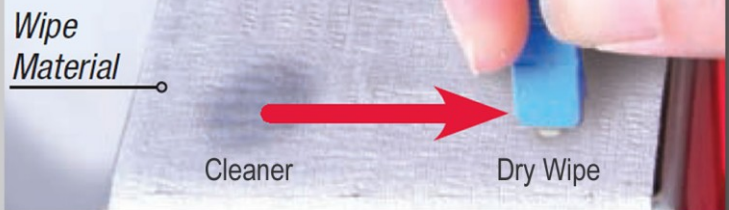
PRECISION CLEANING

### 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.

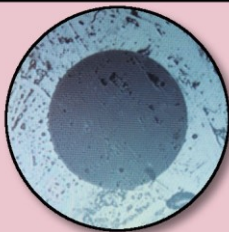
Combination Cleaning is industry proven, exceeding IEC 61300-3-35, IEC TR62627-01, and meeting Telcordia GR-2923-CORE and SAE Aerospace AIR6031.

### Combination Cleaning Process

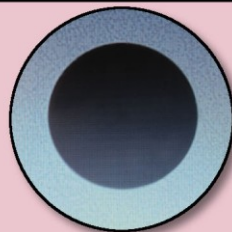


COMBINATION CLEANING\_GRAY

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



Contaminated connector

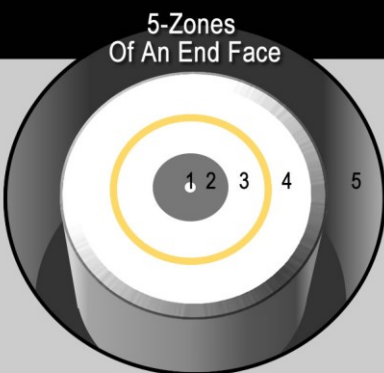


Connector after FOCCUS™ Combination Cleaning™

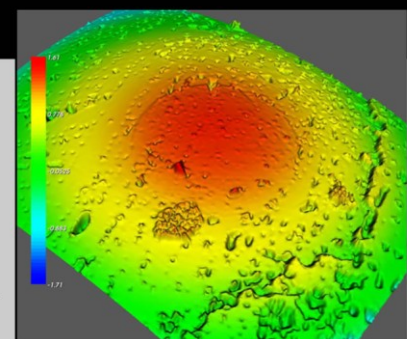
Dry wiping materials can smear oils, not fully remove dry particulates, and can create a static field that attracts and holds onto additional debris. Wet cleaning can oversaturate connectors, drawing up contamination from around the ferrule as specified in IEC 61300-3-35. Combination Cleaning gives you 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\_PINK

### Importance of 5-Zone Cleaning



FOCCUS Combination Cleaning removes contamination from all five zones of an end face. Although contamination on zones 1 and 2 most directly impact signal integrity, contamination in zones 3 and 4 can migrate to inner zones, cause damage to the end face, or cause connector mating problems because of depth of the particles. Debris in zone 5 often migrate to the end face, especially if over saturated with cleaner.



Interferometer image of 3D debris and contamination (courtesy of FIBO)

5-ZONE\_GRAY

