

AUTOMATIC FIBER OPTIC CLEANER TP-125MK-III



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CLEANS FIBER OPTIC END IN LESS THAN 3 SECONDS

Designed especially for use in production facilities, the **Model TP-125MK-III** automatic fiber optic cleaner, cleans a single fiber end fast, repeatedly and without static residue in less than 3 seconds. What has previously taken minutes for an operator, can now be done in a much shorter period of time. The **Model TP-125MK-III** is most cost-effective in production facilities where a large number of prepared fibers are required.

Features

- Fast operation in less than 3 seconds
- Simple
- Repeatable
- Without static residue
- No cracks or damage to the fiber

Applications

- Production Facilities
- Terminating
- Connectorizing
- Metalization
- Fiber optic sensor mounting
- Laser mounting
- Fiber splicing
- Fiber optic coupler manufacturing
- Fiber optic device manufacturing

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SIMPLE. FAST. REPEATABLE.

How does it work?

In a typical production facility, fibers must be stripped of their jacket to give a continuous, perfectly clean reliable cladding surface. First the operator mechanically removes all coatings from the fiber, up to and including the primary jacket. This process usually results in debris remaining on the cladding surface. Until now, removing this debris has been a cumbersome, tedious, and rather unreliable process of manually rubbing the fiber with cotton and alcohol.

The **Model TP-125MK-III** makes it possible to eliminate this debris fast, repeatedly, and without static residue. After first mechanically removing the primary coatings, the operator inserts the fiber into the **Model TP-125MK-III** and simply pulls it out. The result is always a perfectly clean cladding surface, completely free of debris. The fiber is then ready for immediate use in either a connector, sensor, fiber optic source, or metalization chamber.



Ordering Information

Automatic Fiber Optic Fiber Cleaner Model TP-125MK-III includes one set of extra cotton bobbins, take-up spools, and a set of three bushings for operation with 125µm fibers, 110VAC. FOB Auburn Hills, MI.

Accessories

- Fiber Cleaner Refill Kit, Model FT83 includes 40 cotton bobbins and 10 empty spools enabling 10 refills, (enough to clean approximately 12,000 fiber ends).
- Cleansing fluid not supplied.

Custom fiber sizes also available.

Cleaning and polishing the fiber

Step 1 - Strip

Strip the jacket mechanically or by other means.

Step 2 - Insert and Remove

Insert the end of the fiber into the nozzle and remove (this step takes a maximum of 3 seconds).



Step 3 - Ready

The fiber is now ready to be mounted on the relevant device or for further processing.

Before and after cleaning results

Traditional methods show that after stripping the jacket from the fiber, debris still remains on the fiber. Such debris prevents further processing of the fiber. The illustration below shows the fiber's appearance before cleaning.



Before Cleaning

After cleaning the fiber with the Model-TP125MK-III within 3 seconds, the fiber is extracted free of any static or residue. The illustration below shows the fiber after a cleaning with the Model TP-125MK-III.



After Cleaning

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6930 Metroplex Drive
Romulus, MI 48174
Tel (248) 276-8820 Fax (248) 276-8825
info@cokecorp.com
www.cookecorp.com