FIBEROPTIC CLEANING & TESTING TOOLS

Overview about cost effective cleaning tools for connectors and adaptors as well as test equipment for fiber systems
FIBEROPTIC CLEANING TOOLS

NEOCLEAN, OPTIPOP and CLETOP Series optical connector cleaners

With rapidly growing transmission rates of state of the art fiber optic networks the requirements on cleaning endfaces of connectors becomes more stringent. Even the smallest contamination on the connector's endface reduces the overall quality of the connection. Cleaning with alcohol and tissues on a daily basis is time consuming and subjected to failures. The cleaning tools available from AMS Technologies clean the endface with a dedicated microfiber tissue.

This material removes all contaminations and secures them. The antistatic concept prevents static load which could bring new contamination after the cleaning. Unlike traditional cleaning concepts this method does not degrade optical return loss. Products include cleaning tools for the end-faces and ferrules of fiber optic connectors, as well as for the end-faces of plugged connectors through an adapter.

- Removes dirt you can’t even see without scratching the end face
- Compact design with workability in mind
- Replacement cartridge system brings excellence in running cost management

Ferrule end-face before cleaning  Ferrule end-face after cleaning
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NEOCLEAN® CLETOP® OPTIPOP® SERIES

Main Connector/Cleaner Compatibility Chart

### Compatible Connector

<table>
<thead>
<tr>
<th>Single-core optical connectors</th>
<th>Multi-core connectors</th>
</tr>
</thead>
<tbody>
<tr>
<td>MU plug</td>
<td>MT plug</td>
</tr>
<tr>
<td>LC plug</td>
<td>MPO plug with pin</td>
</tr>
<tr>
<td>SC plug</td>
<td>MTRJ plug with pin</td>
</tr>
<tr>
<td>FC plug</td>
<td></td>
</tr>
<tr>
<td>FA socket</td>
<td></td>
</tr>
<tr>
<td>FA plug</td>
<td></td>
</tr>
<tr>
<td>SC adaptor</td>
<td></td>
</tr>
<tr>
<td>LC adaptor</td>
<td></td>
</tr>
<tr>
<td>MPO plug with pin</td>
<td></td>
</tr>
<tr>
<td>MTRJ plug with pin</td>
<td></td>
</tr>
<tr>
<td>MPO adaptor pins yes/no</td>
<td></td>
</tr>
<tr>
<td>MPO plug pins yes/no</td>
<td></td>
</tr>
</tbody>
</table>

### Ferrule End Face Cleaner

<table>
<thead>
<tr>
<th>MU plug</th>
<th>LC plug</th>
<th>SC plug</th>
<th>FC plug</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEDC EAN-E2</td>
<td>NEDC EAN-E1</td>
<td>NEDC EAN-E2</td>
<td>NEDC EAN-E1</td>
</tr>
<tr>
<td>NEDC EAN-EZ</td>
<td>NEDC EAN-EZ</td>
<td>NEDC EAN-EZ</td>
<td>NEDC EAN-EZ</td>
</tr>
<tr>
<td>MC-POP P125</td>
<td>MC-POP P250</td>
<td>MC-POP P125</td>
<td>MC-POP P250</td>
</tr>
<tr>
<td>MC-POP P125</td>
<td>MC-POP P250</td>
<td>MC-POP P125</td>
<td>MC-POP P250</td>
</tr>
<tr>
<td>MC-POP P125</td>
<td>MC-POP P250</td>
<td>MC-POP P125</td>
<td>MC-POP P250</td>
</tr>
</tbody>
</table>

### Ferrule Side Edge Cleaner

<table>
<thead>
<tr>
<th>MU plug</th>
<th>LC plug</th>
<th>SC plug</th>
<th>FC plug</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC-POP R1</td>
<td>MC-POP R2</td>
<td>MC-POP R1</td>
<td>MC-POP R2</td>
</tr>
<tr>
<td>MC-POP R1</td>
<td>MC-POP R2</td>
<td>MC-POP R1</td>
<td>MC-POP R2</td>
</tr>
<tr>
<td>MC-POP R1</td>
<td>MC-POP R2</td>
<td>MC-POP R1</td>
<td>MC-POP R2</td>
</tr>
</tbody>
</table>

### For video equipment

Optical compound connectors

<table>
<thead>
<tr>
<th>MU plug</th>
<th>LC plug</th>
<th>SC plug</th>
<th>FC plug</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPO plug with pin yes/no</td>
<td>MPO plug with pin yes/no</td>
<td>MPO plug with pin yes/no</td>
<td>MPO plug with pin yes/no</td>
</tr>
<tr>
<td>MPO adaptor pins yes/no</td>
<td>MPO plug pins yes/no</td>
<td>MPO plug pins yes/no</td>
<td>MPO plug pins yes/no</td>
</tr>
</tbody>
</table>

### Cleaners for video equipment

Optimal cleaning for various video equipment (LEMO, Tajimi brand, etc.)

*3 For cleaning FA plugs / FAS plugs, please use NEOCLEAN-E and NEOCLEAN-EZ.
* We have cleaners for connectors not shown in the above chart, so please feel free to consult with us about any needs you may have.
NEOCLEAN® Series

The tool that combines compactness and the workability of one-push cleaning.

NEOCLEAN-E, EZ series, and NEOCLEAN-M are all high performance hybrid type cleaners that provide cleaning for both optical connector plugs and adaptors in one unit.

### Product Specifications

<table>
<thead>
<tr>
<th>Target Use</th>
<th>Plug/Adaptors</th>
<th>Type</th>
<th>Pen Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Name</td>
<td>NEOCLEAN-E</td>
<td>E1</td>
<td>ATC-NE-E1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E2</td>
<td>ATC-NE-E2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>E3</td>
<td>ATC-NE-E3</td>
</tr>
<tr>
<td></td>
<td>NEOCLEAN-EZ</td>
<td>EZ1</td>
<td>ATC-NE-EZ1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EZ2</td>
<td>ATC-NE-EZ2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model #</th>
<th>Compatible Connectors</th>
<th>Size (mm)</th>
<th>Number of Uses</th>
<th>Compatible Product Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATC-NE-E1</td>
<td>MU, LC</td>
<td>L:240</td>
<td>over 750 times</td>
<td>ATC-NE-ES1</td>
</tr>
<tr>
<td>ATC-NE-E2</td>
<td>SC, SC2, FC, FAS, FA</td>
<td>L:230</td>
<td>over 400 times</td>
<td>ATC-NE-ES2</td>
</tr>
<tr>
<td>ATC-NE-E3</td>
<td>SC, FC, ST, S2000, PC/APC</td>
<td>L:230</td>
<td>One time use</td>
<td>ATC-NE-ES3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Target Use</th>
<th>Plug/Adaptors</th>
<th>Type</th>
<th>Pen Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Name</td>
<td>NEOCLEAN-M</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>NEOCLEAN-R2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model #</th>
<th>Compatible Connectors</th>
<th>Size (mm)</th>
<th>Number of Uses</th>
<th>Compatible Product Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATC-NE-M1</td>
<td>MPO, ATP (pin/no pin)</td>
<td>L:208 x W:17 x H:55</td>
<td>over 600 times</td>
<td>ATC-NC-ES1</td>
</tr>
<tr>
<td>ATC-NE-R2</td>
<td>Single core, Multi-core (no pin)</td>
<td>W:15 x D:25 x H:55</td>
<td>over 400 times (disposable type)</td>
<td>ATC-NC-ES2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Target Use</th>
<th>Adaptors</th>
<th>Type</th>
<th>Female Side Edges</th>
<th>Pipe Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Name</td>
<td>NEOCLEAN-S</td>
<td>S125</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NEOCLEAN-P</td>
<td>P125</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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For more information, please visit [www.amstechnologies-webshop.com](http://www.amstechnologies-webshop.com)
OPTIPOP® Series

The assurance and reliability of high quality, born from our know-how of optical connector standardization and compatibility testing.

NTT-AT’s OPTIPOP Series was born out of the optical connector standardization and compatibility testing know-how that comes from our company’s many years of experience. We also listened to the voices of on location workers so that various devices that support smooth and helpful work are utilized in each part.

### Product Specifications

<table>
<thead>
<tr>
<th>Target Use</th>
<th>Type</th>
<th>Product Name</th>
<th>Model #</th>
<th>Compatible Connectors</th>
<th>Length (mm)</th>
<th>Number of Uses</th>
<th>Model Number</th>
<th>Consumables</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td></td>
<td></td>
<td>RL</td>
<td>ATC-RE-01</td>
<td>Ø1.25mm</td>
<td>W:124 × D:35 × H:83</td>
<td>ATC-RE-02</td>
<td>P125</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>R2</td>
<td>ATC-RE-02</td>
<td>Ø1.25mm</td>
<td>W:124 × D:35 × H:83</td>
<td>ATC-RE-03</td>
<td>P250</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>R3</td>
<td>MTP-MPO (with pin)</td>
<td>Ø2.5mm</td>
<td>W:120 × D:16 × H:57</td>
<td>ATC-RE-04</td>
<td>P250</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>R4</td>
<td>MT-RJ (with pin)</td>
<td>Ø2.5mm</td>
<td>W:120 × D:16 × H:57</td>
<td>ATC-CA-01</td>
<td>P250</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C1</td>
<td>ATC-CA-01</td>
<td>Ø1.25mm</td>
<td>W:120 × D:16 × H:57</td>
<td>ATC-CA-01</td>
<td>P125</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C2</td>
<td>ATC-CS-01</td>
<td>Ø2.5mm</td>
<td>W:120 × D:16 × H:57</td>
<td>ATC-CS-01</td>
<td>P250</td>
</tr>
</tbody>
</table>

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TEL: +81 44 589 5894, FAX: +81 44 541 1326
The assurance and reliability of high quality, born from our know-how of optical connector standardization and compatibility testing.

NTT-At’s CLETOP Series was born out of the optical connector standardization and compatibility testing know-how that comes from our company’s many years of experience. We also listened to the voices of on location workers so that various devices that support smooth and helpful work are utilized in each part.

### Product Specifications

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<tr>
<th>Target Use</th>
<th>Type</th>
<th>Product Name</th>
<th>Model #</th>
<th>Compatible Connectors</th>
<th>Size(mm)</th>
<th>Number of Uses</th>
<th>Color</th>
<th>Product Name</th>
<th>Model Number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CLETOP</strong></td>
<td>A Type</td>
<td>CLETOP-A</td>
<td>14100501</td>
<td>single core (ideal for Ø2.5mm)</td>
<td>W:130 × D:40 × H:75</td>
<td>over 400 times</td>
<td>Replacement Reels</td>
<td>Blue Tape/White Tape</td>
<td>141100700 / 1410710</td>
</tr>
<tr>
<td><strong>CLETOP</strong></td>
<td>B Type</td>
<td>CLETOP-B</td>
<td>14100601</td>
<td>single core, multi-core (with pin)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CLETOP-S</strong></td>
<td>MT-RJ Type</td>
<td>CLETOP-MTRJ</td>
<td>14100101</td>
<td>MT-RJ (with pin)</td>
<td>W:125 × D:35 × H:85</td>
<td></td>
<td>Blue Tape/White Tape</td>
<td>14110700 / 1410710</td>
<td></td>
</tr>
<tr>
<td><strong>CLETOP Stick</strong></td>
<td>MPO Type</td>
<td>CLETOP-MPO</td>
<td>14100201</td>
<td>MT, MPO (with pin)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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TEL: +81 44 589 5894, FAX: +81 44 541 1326
The patented JDSU CleanBlast fiber end face cleaning systems provide a fast, effective, and cost-efficient solution for removing dirt and debris from connectors in most common applications. The precise, highly efficient non-contact air-solvent-air stream blasts and removes contamination with nearly 100-percent effectiveness.

**HIGHLIGHTS**
- Fast, repeatable, more effective, and more cost-efficient per clean than other cleaning methods
- Eliminates user sensitivity and error
- Removes, rather than spreading or smearing, loose debris from fiber end faces with a push of a button
- Input for optional FBP probe microscope and 6.4-inch LCD enable fiber inspection capability

**KEY FEATURES**
- Provides rapid, controlled, and repeatable cleaning and removal of contamination from fiber end faces
- Uses a precise non-contact air-solvent-air mixture/sequence to blast and remove contamination particles
- Cleans faster, more effectively, and more economically per clean than conventional methods
- Offers a comprehensive selection of precision cleaning tips and adapters

The patented JDSU CleanBlast fiber end face cleaning systems provide a fast, effective, and cost-efficient solution for removing dirt and debris from connectors in most common applications. CleanBlast is a non-contact system that uses a highly filtered stream of pressurized gas with a vacuum circuit to create a high flow rate jet across the surface of the fiber. A 30-µl cleaning solvent is injected into the airflow, and the contamination from the end face along with the solvent are then removed through the retrieval circuit.

**KEY FEATURES**
- Provides rapid, controlled, and repeatable cleaning and removal of contamination from fiber end faces
- Uses a precise non-contact air-solvent-air mixture/sequence to blast and remove contamination particles
- Cleans faster, more effectively, and more economically per clean than conventional methods
P5000i Digital Analysis Microscope

Inspect and certify fiber end face quality at the push of a button

**KEY FEATURES**

- Repeatable Pass/Fail analysis eliminates subjective guesswork from the measurement process
- User-selectable acceptance profiles allow certification to any acceptance criteria
- Includes FiberChekPRO™ software for analysis and reporting with PC/laptop
- Automatic Image Centering ensures the fiber always stays in the center of the screen
- Dual-Magnification switching allows easy toggling between low & high magnifications in both live and analysis views

**APPLICATIONS**

- Ensure physical layer performance by guaranteeing fiber connectivity meets industry standards
- Instantly capture, analyze, and grade fiber end face images and obtain a PASS/FAIL result according to pre-configured criteria setting
- Standardize fiber inspection, analysis, and grading process throughout fiber network

The P5000i makes it fast and easy to certify that every connection in your network is clear and optimized. This intelligent fiber microscope removes the guesswork from fiber inspection and provides reliable and objective PASS/FAIL analysis of the fibers that connect customers to your network and to the best user experience possible. The P5000i fiber microscope also enables PASS/FAIL analysis using many JDSU test solutions that users already rely on for essential network testing. Easily connect to a T-BERD®/MTS 2000/4000/6000, HST-3000 or laptop/PC via USB without the need for any additional adapters.

FM-C Field Microscope

Coaxial Illumination Handheld Optical Microscope for Fiber Inspection

**KEY FEATURES**

- Rugged, ergonomic design for field use
- LED illumination for 100,000+ hour life
- Coaxial illumination for the highest level of detail; most critical view of fiber end face cleanliness and condition
- Integrated laser safety

**APPLICATIONS**

- LED illumination provides 100,000 h of lamp life and extends battery life up to 30 h of continuous use.
- Laser safety filter installed.
- The versatile interface uses interchangeable, pre-centered universal or dedicated adapters.

The FM-C-series microscopes use coaxial illumination to provide users with maximum detail. It easily can detect the finest scratches and contamination, making it ideal for critically inspecting polish quality.

FV-A Benchtop Microscope

with FiberCheckPRO™

**KEY FEATURES**

- Fully-automated inspection system
- Adjustable, scalable automation settings from all-manual to all-automated
- Plugs directly into PC via USB 2.0 connection
- FiberChekPRO pre-programmed with International Electrotechnical Commission (IEC) acceptance criteria standards

**APPLICATIONS**

- Automatically inspects and analyzes fiber optic connectors in manufacturing and quality assurance environments
- Automatically focuses, centers, captures, and analyzes fiber end face images, and obtains instant Pass/Fail result
- Standardizes fiber inspection and analysis procedures

FVA Benchtop Microscope fully automates the inspection process and is used to detect scratches that technicians may miss. FiberChekPRO™ then provides Pass/Fail results.
Pocket Fiber Source – KI9800
Optical power meter

The inexpensive KI 9600 Shirt-Pocket Fiber Meter is a simple and reliable power meter for testing power and loss on all types of fiber optic systems. It provides high accuracy and simplicity of use. The small KI 9600 Pocket Fiber Meter is ideal for measuring absolute/relative light levels or test tones on single mode, multimode or plastic optical fiber (POF) systems. High traceable accuracy and ease of use make it perfect for field or laboratory.

KEY FEATURES
- 9 traceable calibration wavelengths with 2% accuracy
- Very small size, intuitive to use, rugged & reliable
- 300 hr alkaline battery life
- 3 year warranty and calibration cycle
- dBm / dB / mW display, 0.01 dB resolution

APPLICATIONS
- Singlemode, multimode or POF cable loss testing
- Continuity testing
- Visual Fault Finder option

Pocket Fiber Source – KI9600
Optical power meter

The KI 9600 series Optical Power Meter is used for testing fiber optic communications systems. Traceable 2% accuracy, ease of use and high availability combine to achieve superior measurement confidence. Detector & calibration options cover a wide range of connector types, fiber types and common wavelengths from +24 to -80 dBm.

KEY FEATURES
- Shirt pocket size with spring clip
- 3 year warranty
- 3 year calibration cycle
- Include SC, FC, ST Interchangeable connectors
- Multi-fiber ID for fiber identification
- Displays dBm, dB, linear, tone Hz
- Simple to use
- 300 hr battery life

APPLICATIONS
- System power testing
- Attenuation testing
- Fiber identification
- Wavelength Selective Option for PON

KI 2600 SERIES
Hand held power meter

A fully-featured Hand Held Optical Power Meter used for testing fiber optic communications systems. Superior measurement confidence is achieved through a combination of excellent basic accuracy, intuitive use and rugged reliability.

KEY FEATURES
- Reliable, rugged & versatile
- Simple to use
- Very long battery life
- LCD is large, clear, sunlight readable & backlit
- Interchangeable connectors with dust cap/tilt bail

APPLICATIONS
- System power testing
- Attenuation testing
- Fiber identification
- Fault Finding & Continuity Testing
Order online, purchase on account!

Welcome to the AMS Technologies web shop... in your own language!

We deliver test and cleaning equipment for every optical fibre application.

Our fiber test equipment offers practical specifications to help you test fiber systems.

AMS Technologies fibre optic test and cleaning equipment helps you get your job done efficiently.

Simply click on the required flag to enable you to use the shop in your own language.

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Power Technologies
Thermal Management

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