

Fiberoptic Cleaning & Testing Tools

Cost effective cleaning tools for connectors and adaptors & test equipment for fiber systems



OPTICAL
TECHNOLOGIES

FIBEROPTIC CLEANING TOOLS

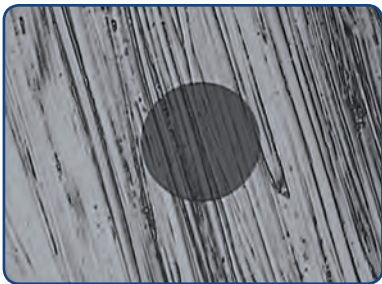
NEOCLEAN, OPTIPOP and CLETOP Series optical connector cleaners

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.

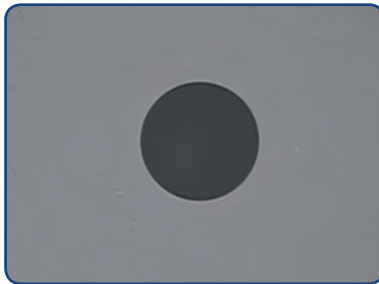
The cleaning tools available from AMS Technologies clean the endface with a dedicated microfiber tissue.

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

Main Connector/Cleaner Compatibility Chart											
Compatible Connector				Ferrule End Face Cleaner							
Single core optical connectors	MU plug	LC plug		NEOCLEAN-R2	NEOCLEAN-E1	OPTIPOP R1/R2	R1	CLETOP S B type	Ferrule Side Edge Cleaner		
	SC plug	FC plug		NEOCLEAN-R2	NEOCLEAN-E2, E3	OPTIPOP R1/R2	R2	CLETOP B type	OPTIPOP P125	NEOCLEAN-P125	
	MU adaptor	LC adaptor		NEOCLEAN-E1	NEOCLEAN-E2	OPTIPOP R1/R2		CLETOP A type	OPTIPOP P250		
Multi-core connectors	SC adaptor	FA socket	FA plug	NEOCLEAN-E1	NEOCLEAN-E2, E3	OPTIPOP R1/R2	R1	CLETOP A/B type	For video equipment Optical compound connectors		
	FC adaptor	FAS socket	FAS plug	NEOCLEAN-E2, E3	NEOCLEAN-E2	OPTIPOP R1/R2	R2	CLETOP S A/B type			
								CLETOP B type			
	MT no pin	MPO plug no pin	MTRJ plug no pin	OPTIPOP R1				NEOCLEAN-R2	Cleaners for video equipment		
	MT plug with pin	MPO plug with pin		OPTIPOP R3				CLETOP MPO type			
	MPO adaptor pins yes/no	MPO plug pins yes/no									

*3: For cleaning FA plugs / FAS plugs, please use NEOCLEAN-E and NEOCLEAN-EZ.

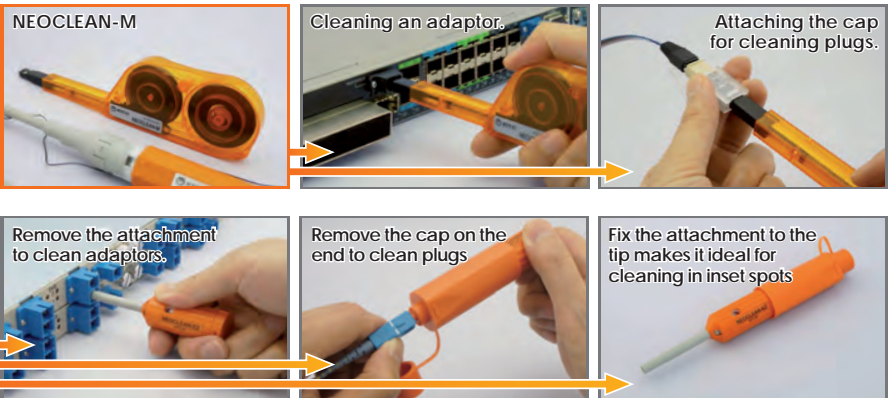
*We have cleaners for connectors not shown in the above chart, so please feel free to consult with us about any needs you may have.

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

Target Use	Plugs/Adaptors				
Type	Pen Type				
Product Name	NEOCLEAN-E			NEOCLEAN-EZ	
	E1	E2	E3	EZ1	EZ2
Model #	ATC-NE-E1	ATC-NE-E2	ATC-NE-E3	ATC-NE-EZ1	ATC-NE-EZ2
Compatible Connectors	MU, LC	SC, SC2, FC, FAS, FA	SC, FC, ST, E2000, PC/APC	MU, LC	SC, SC2, FC, FAS, FA
Size(mm)	L:240	L:230	L:230	L:113(when attachment removed:104/attached:167)	
Number of Uses	over 750 times			over 400 times	
Consumables	Type			Type	
	Replacement cartridges			Replacement cartridges	
	cartridges (3/set)			One time use	
Product Name	ATC-NE-ES1			ATC-NE-ES2	
Model Number	ATC-NE-ES1			ATC-NE-ES2	

Target Use	Plugs/Adaptors	Plug
Type	Pen Type	Simple Type
Product Name	NEOCLEAN-M	NEOCLEAN-R2
Model #	ATC-NE-M1	ATC-NE-R2
Compatible Connectors	MPO, MTP®(pin/no pin)	Single core, Multi-core (no pin)
Size(mm)	L:208 × W:17 × H:51	W:115 × D:25 × H:55
Number of Uses	over 600 times	over 400 times(Disposable Type)

Target Use	Adaptors		Ferrule Side Edges
Type	Stick Type		Pipe Type
Product Name	NEOCLEAN-S		NEOCLEAN-P
	S125	S250	P125
Model #	ATC-ST-01N	ATC-ST-02N	ATC-NE-P1
Compatible Connectors	Ø1.25mm	Ø2.5mm	Ø1.25mm
Length(mm)	152mm (length adjustment:45/65/85/105mm)		100mm
Packing Specifications	200 sticks/set		200 sticks/set



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.



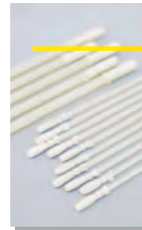
OPTIPOP R

A line up of 4 kinds to match different types of optical connectors. Its dustproof shutter allows you to open a new cleaning surface with a single hand, one-action lever no matter what working environment you are in.



OPTIPOP C

This cleaner for single core connectors has a thin pocket size that allows you to use it even in places with limited working space, while providing the same cleaning power as the R series.



OPTIPOP P

When a connector with dirt on its ferrule end face is inserted into an adaptor, deviations in the optical axis may occur. OPTIPOP P is the ideal solution for preventing this kind of trouble.

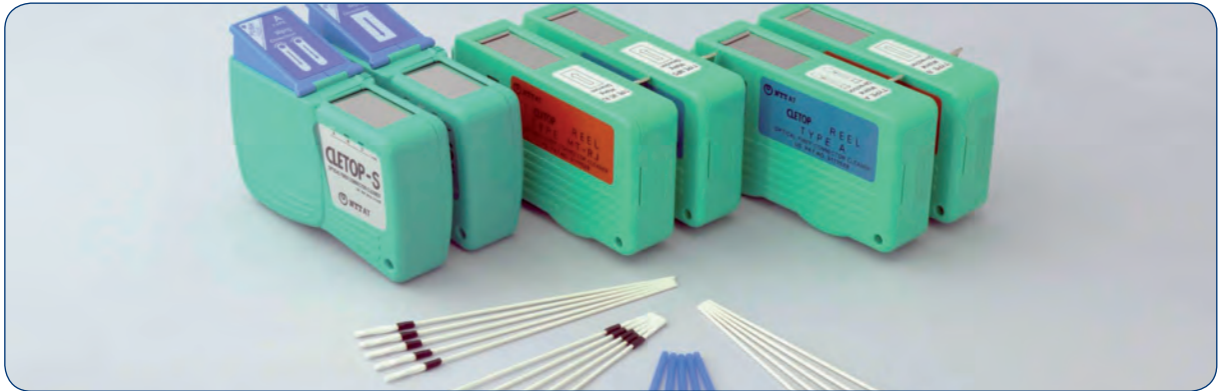
Product Specifications

Target Use	Plugs				
Type	Cassette Grip Type				Card Type
Product Name	OPTIPOP				OPTIPOP C
	R1	R2	R3	R4	
Model #	ATC-RE-01	ATC-RE-02	ATC-RE-03	ATC-RE-04	ATC-CA-01
Compatible Connectors	single core, multi-core (no pin)	single core	MT, MPO (with pin)	MT-RJ (with pin)	single core
Size(mm)	W:124 × D:35 × H:83				W:120 × D:16 × H:57
Number of Uses	over 400 times				12 times/sheet - 10 sheets
Consumables	Replacement Reels (6 rolls/set)				Replacement card (100 sheets/set)
Type	OPTIPOP RS				OPTIPOP CS
Product Name	ATC-RS-01				ATC-CS-01
Model Number					

Target Use	Ferrule end face	
Type	Pipe Type	
Product Name	OPTIPOP P	
	P125	P250
Model #	ATC-PP-01	ATC-PP-02
Compatible Connectors	Ø1.25mm	Ø2.5mm
Length(mm)	100mm	100mm
Packing Specifications	600/set	200/set



CLETOP® Series



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.



CLETOP

A line up of 4 kinds to match different types of optical connectors. Its dustproof shutter allows you to open a new cleaning surface with a one-action lever no matter what working environment you are in.



CLETOP-S







A line up of 2 kinds to match different types of optical connectors. Also equipped with a dustproof shutter, its light touch opening grip allows for even greater ease of use for the operator.







CLETOP Stick

Easily removes contamination on adaptor ferrule end face. With both 2.0mm and 2.0/2.5mm ends, they are ideal for the optical composite connectors (LEMO brand, Tajimi electronics brand, etc.) for video equipment.

Product Specifications

Target Use	Plugs					
Type	Cassette Lever Type				Cassette Grip Type	
Product Name	CLETOP				CLETOP-S	
	A Type	B Type	MT-RJ Type	MPO Type	A Type	B Type
						
Model #	14100501	14100601	14100101	14100201	14110501	14110601
Compatible Connectors	single core (ideal for Ø2.5mm)	single core, multi-core (with pin)	MT-RJ (with pin)	MT, MPO (with pin)	single core (ideal for Ø2.5mm)	single core, multi-core (with pin)
Size(mm)	W:130 × D:40 × H:75				W:125 × D:35 × H:85	
Number of Uses	over 400 times				over 400 times	
Consumables	Replacement Reels (6 rolls/set)				Replacement cartridges (6/set)	
	Blue Tape / White Tape				Blue Tape/White Tape	
	14100700 / 14100710				14110700 / 14110710	

Target Use	Adaptors			
Type	Stick Type			
Product Name	CLETOP Stick			
	1.25mm Type	2.5mm Type	2.0mm Type	2.0/2.5mm dual end type
				
Model #	14100401	14100400	14100402	14100403
Compatible Connectors	Ø1.25mm	Ø2.5mm	Connectors for high vision cameras	
Length(mm)	100mm	146mm	146mm	127mm
Packing Specifications	200/set		200/set	100/set



MICROSCOPES FOR FIBEROPTIC CONNECTORS

CleanBlast™ System – Portable

Advanced Fiber Optic Connector End Face Cleaning System

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

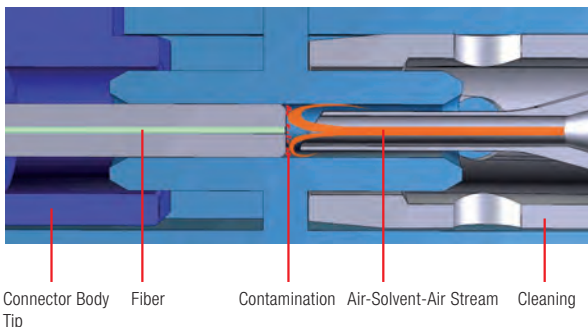
- Provides rapid, controlled, and repeatable cleaning and removal of contamination from fiber end faces
- Uses a precise non-contact air-solvent-air mixture/sequence to blast and remove contamination particles
- Cleans faster, more effectively, and more economically per clean than conventional methods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

CleanBlast™ System – Bench-top

with optional FBP Probe Microscope



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- μ l 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 is always on the center of the screen
- Dual-Magnification switching allows easy toggling between low & high magnifications in both live and analysis views

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.

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

FM-C Field Microscope

Coaxial Illumination Handheld Optical Microscope for Fiber Inspection

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.



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.

FV-A Benchtop Microscope

with FiberCheckPRO™

FVA Benchtop Microscope fully automates the inspection process and is used to detect scratches that technicians may miss. FiberCheckPRO™ then provides Pass/Fail results.



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



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!

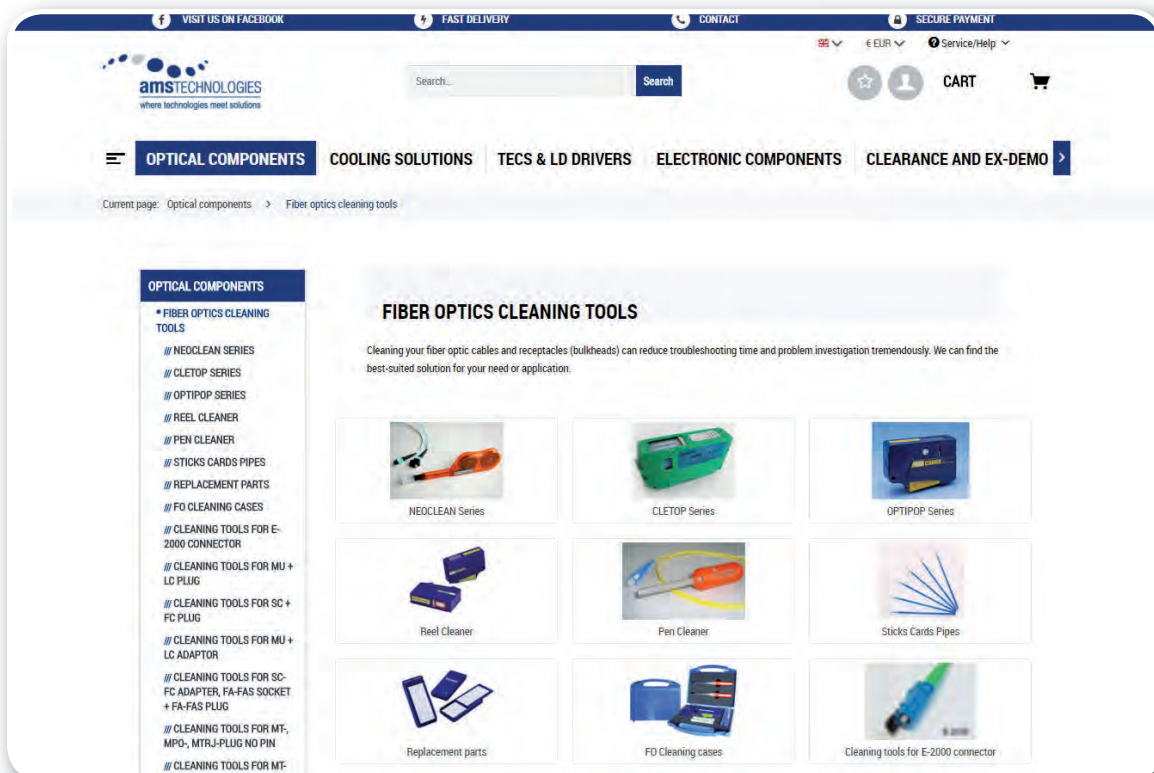
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We deliver test and cleaning equipment for every optical fibre application.

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.

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