FiberQA

ABOUT
FiberQA

FiberQA is the industry's most innovative developer of automated fiber optic inspection and cleaning systems. FiberQA has created, developed, manufactured, and patented automated test equipment for use in Mil-Aero, Telecom, and Datacom companies worldwide. FastMT and AVIT systems utilize a combination of robotics and automated software to eliminate operator error while reducing labor costs and increasing throughput.

Visit us online to learn more about our award winning products, or contact our sales team to request a quote TODAY!

GET IN TOUCH
WITH US

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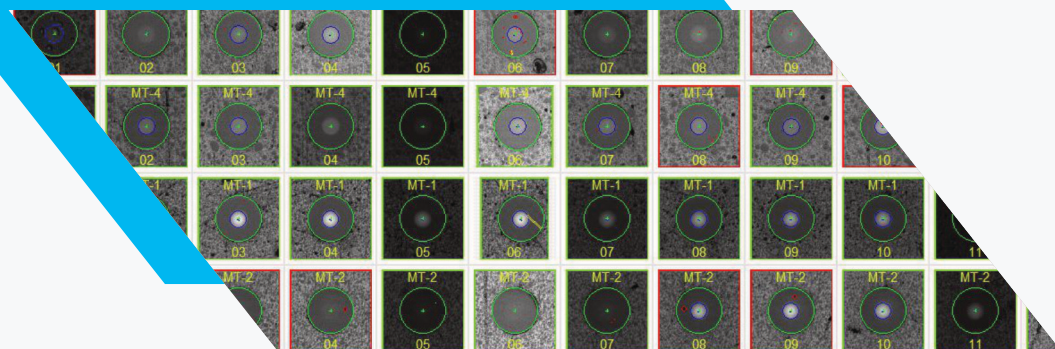Sales Team: sales@fiberqa.com
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Demo videos, papers/studies, brochures available online at www.fiberqa.com

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AVIT™
PRODUCT
FAMILY

Robotic Inspection & Cleaning
for Optical Fiber End Faces

ABOUT
AVIT SYSTEMS

AVIT systems remove unreliable human subjectivity from the entire inspect-clean cycle, eliminating operator error and minimizing the potential for part damage. With robotic operation and integrated cleaning, technicians can simply hit the process button and walk away, freeing up time to complete other critical tasks or conduct additional tests on another AVIT.

AVITs are the only optical fiber inspection systems available with built-in cleaning. Every AVIT model has the capability to automatically clean and re-inspect any failed part without removing the connector, eliminating the risk of damage to the optics through multiple re-insertions.

Probe-style models (AVIT-RH, BP, and CH) utilize miniaturized optics and cleaners to provide stable, operator-independent inspection and cleaning in space-constrained situations without having to remove parts or modules.

AVIT systems can be used throughout an entire supply chain, from manufacturing to installation and in-field maintenance. Each AVIT model provides reliable quality control, and is calibrated to ensure consistent results throughout the whole life cycle of a connector.

KEY FEATURES
& BENEFITS

- ✔ Fully Automated (auto focus, auto alignment, auto clean & re-inspect)
- ✔ Integrated cleaning cartridge
- ✔ Pre-loaded with IEC specs
- ✔ Customizable test criteria
- ✔ Archived Data + Images
- ✔ Customizable reporting
- ✔ High throughput
- ✔ Reduce labor costs
- ✔ Eliminate supply chain friction
- ✔ Reduce part handling damage
- ✔ Reliable & repeatable test results

AVIT
MODELS

AVIT-2020

AVIT-2020 is the best option for inspecting and cleaning high volumes of MT, MPO, MIL-circular, and other connectors. The large 20"x20" inspection window allows for customized fixtures that are engineered to meet specific needs and arrangements.

APPLICATIONS: High throughput environments such as large OEM manufacturing facilities

AVIT-DT

AVIT-DT is a more compact, desktop version of the large, floor standing AVIT-2020. The AVIT-DT has a 5"x5" inspection window, making it the perfect size for polishing plates, multiple mil-circular connectors, or dozens of LC or MPO connectors.

APPLICATIONS: Manufacturing/cable assembly/production workstations

AVIT-RH

AVIT-RH attaches to circular plugs and receptacles (such as MIL-38999) and utilizes long working-distance optics and motion control to inspect each ferrule in any size shell, without the risk of causing damage to the part.

APPLICATIONS: Space-constrained field maintenance

AVIT-BP

AVIT-BP slides securely into each open slot, allowing the x-motion range to switch between side-by-side ferrules within the connector. Y-motion range provides flexibility for any blind mate-able configuration, such as VITA66.1.

APPLICATIONS: Space-constrained field maintenance, data centers

AVIT-CH

AVIT-CH fits inside the unit to be tested, at the location where it is mounted, even in the most restrictive spaces. The AVIT-CH can be adapted to a wide range of chassis sizes and types, so FiberQA's team of engineers will custom design the system to meet your specific requirements and arrangements.

APPLICATIONS: Space-constrained field maintenance, data centers

Visit us online for more information
WWW.FIBERQA.COM