

Complete Bench Top Fiber End Face Inspection System

Fully Automatic Operation

Superior Quality Analysis

Space Saving Design

Rapid Return on Investment



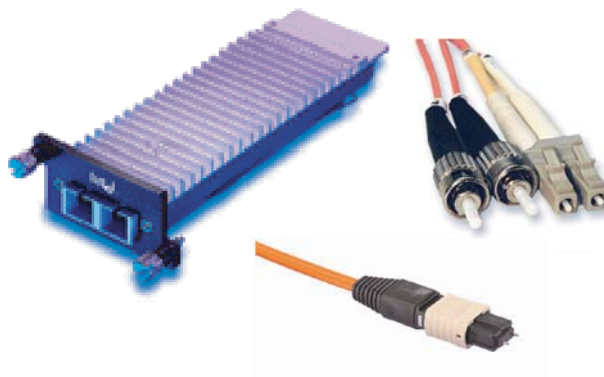
The FiberQA™-μAVIT is a small form factor PC with an integrated fiber optic microscope and FiberQA™-EFI software.

This family of products, is aimed at single fiber, dual fiber and MT style connectors and components. It is based on the very successful AVIT and FiberQA software and PVI's hardware design capabilities.

The μAVIT brings the automated power of its larger sibling, the AVIT—a product level tester, capable of testing hundreds or thousands of fiber end faces — to the bench top. The μAVIT is the perfect fit for single connectors or receptacles, smaller quantity operations, R&D applications, or when you require the best mix of convenience and software power in a smaller package. Use the μAVIT at earlier stages of product and component fabrication and testing to ensure the highest possible yield of high quality products.

Powered by **FIBERQA™**
End Face Inspection

At the heart of the system is our latest version of FiberQA™-EFI. As a stand alone product, it is used to accurately detect and classify scratches and particles on connector end faces (See the FiberQA Product Data Sheet). Combined with μAVIT, it becomes the unprecedented bench top inspection solution.



See reverse side for more info

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Engineered Excellence

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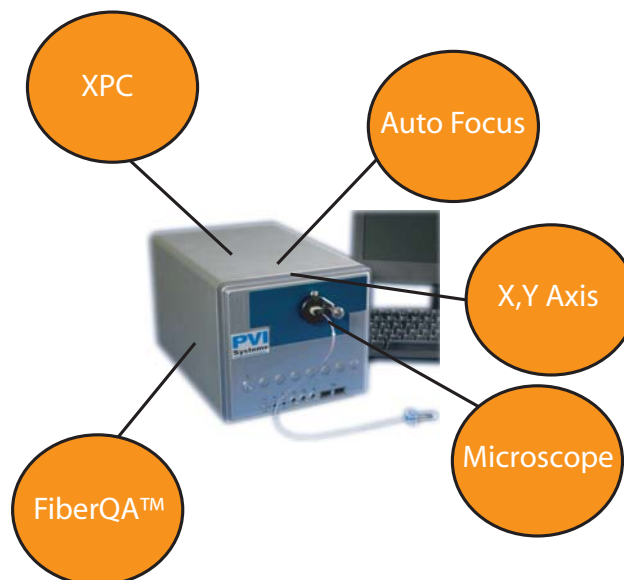
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A closer look at μAVIT

The XPC form factor PC, running FiberQA software, reduces the required space for the system to just a little more than a traditional-bench top microscope. FiberQA enables the user to specify the cleanliness and surface finish to meet the most stringent requirements, including proposed industry standards, such as the TIA and iNEMI cleanliness specifications. And running on the Pentium 4, 3.4 Ghz processor, you'll have accurate, repeatable answers about the quality of your end faces in only a few seconds!

The inclusion of a built-in microscope enables PVI to specify the total system's performance, including both hardware and software.

PVI is committed to providing the FiberQA software to work with any analog video microscopes, but can meet specific particle and scratch detection and repeatability specifications with the turnkey μAVIT system..



*Some features shown are optional

- **Option AF-1** Adds auto focus capability to the already outstanding performance of FiberQA, totally eliminating operator decision-making. Adding this option to the system fully automates the single fiber end face inspection process, making it possible to obtain reliable, accurate and repeatable results in accordance with industry standards.
- **Option MT-1** Adds a second axis of motion to enable the system to automatically move to each of the fibers within a single row MT connector or a dual fiber stub product such as a Xenpak or X2 package.
- **Option MT-2** Adds two additional axes of motion to enable the system to automatically move to each of the fibers within single and multiple row MT connectors.

Other options include higher quality microscopes, such as the AVIT microscope. This option improves the matching of the μAVIT performance to an AVIT for customers using both systems in their process.

When fitted with the auto focus and auto locate options, FiberQA can quickly and accurately find and focus on individual fibers, significantly improving repeatability and reducing time compared to manually focused microscopes. These options further reduce operator involvement and training requirements. Eliminating subjective operator focusing as a variable in the process greatly improves the system's repeatability, both in terms of contrast, which impacts detection, and magnification, which affects size accuracy.

In summary, the FiberQA™-μAVIT represents an affordable solution for accurate, software based end face inspection for the bench top. It is a more complete solution than one comprised of the individual components, as the performance is specified as a system.

Contact us to see how FiberQA™- μAVIT systems can be configured for your processes