

## Introducing The World's Fastest Fiber Optic End Face Inspection System



**Automatic Operation**

**Superior Quality Analysis**

**Fast “Production” Throughput**

**Rapid Return on Investment**

The FiberQA™-AVIT (Automated Visual Inspection Tool) system is a fully automated fiber end face visual inspection tool, based on the FiberQA™ inspection software from PVI Systems, Inc.

The AVIT system is capable of inspecting all the fibers in a product within a 600 x 235 mm inspection window. The fiber end faces can be presented to the inspection system from 0 to 25 mm from the inspection plane, including inside of a connector. The system has been optimized for the inspection of MT ferruled fibers, but adaptable to ceramic ferrule connectors as well, including both low magnification and high magnification cameras for inspecting both the ferrules and fibers.

The AVIT system is designed to interface with multiple units under test (UUT) by means of a fixture receiver and multiple fixtures. Each fixture is designed to adapt to and securely hold a particular product, while conforming to a standard receiver interface.

The AVIT system is completely self-contained; requiring only input power and an Ethernet connection.

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 Product Data Sheet). Combined with AVIT, it is a production power-house, providing previously unheard of throughput and accurate and reliable defect detection.

### AVIT vs Manual - a snapshot (estimated, based on 650 fibers)

| ACTION                  | AVIT        | MANUAL      |
|-------------------------|-------------|-------------|
| Total Inspect Time      | 52 Minutes  | 130 Minutes |
| Operator Time Inspector | None        | 130 Minutes |
| Operator Time Operator  | 1-2 Minutes | None        |
| Data Collection         | TONS!       | None        |

**Contact us to see how an AVIT system can be configured for your process**

**PVI**  
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