FVAM-2000

Advanced transceiver inspection solution with REST API for system integration

The **FVAM-2000** is a first of its kind benchtop microscope designed for transceiver inspection during manufacturing. It integrates VIAVI next-gen software analysis tools and supports REST software drivers for seamless integration with third-party manufacturing systems. The FVAM-2000 offers live video, pass/fail results, and automatic storage of images and data.

Embedded into each adapter is a unique AutoID chip that the microscope instantly recognizes upon attachment. The microscope uses this information to automatically configure itself for the type of connector under test.

- Easily switch between any connector type
- Automatically configures the optical setting parameters
- Automatically recalls the last Analysis Profile for the attached tip

The PanOptic Imaging Engine on the FVAM-2000 offers a full edge-to-edge field-of-view with high magnification and resolution. It ensures top image quality, analysis accuracy, and speed, enabling detailed multi-fiber connector inspection, including alignment pins and guide holes, in under 8 seconds.

Key Benefits

- Fast, reliable, automated fiber end-face inspection
- Compact bulkhead inspection solution with benchtop performance
- Single, duplex and multifiber ready
- The flexibility to manage the complex optical interfaces aligned to high-volume transceiver manufacturing
- Unique angled and rotatable adapters designed to clear pull-tabs and other obstructions
- Adapter auto-ID removes need to update microscope configuration or settings
- Powerful new FiberChekULTA software with an open API to integrate into customer workflows

Inspection Applications

- OSFP and QSFPs
- Breakout cassettes
- Dual MPO 12 and MPO 16
- Very-Small-Form Factor connectors

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