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FV and FVW-series Bench-top Microscope

Modular Fiber Inspection Workstation



FVW Bench-top Workstation with Monitor

Key Features

- **Precision microscope head with coaxial illumination for inspecting male fiber optic connectors**
- **Compatible with all FMA-series adapters (includes universal 2.5 mm adapter)**
- **Available in various magnification configurations including 80X, 200X, and 400X**
- **Connects to external monitor via BNC connection (cable included)**
- **Stand alone 10.5-inch high-resolution LCD monitor (included with FVW-series)**

Applications

- Inspect patch cords and ferrules after polishing to detect fine scratches or defects that may have occurred during polishing.
- Inspect patch cords during system assembly to confirm cleanliness prior to mating.

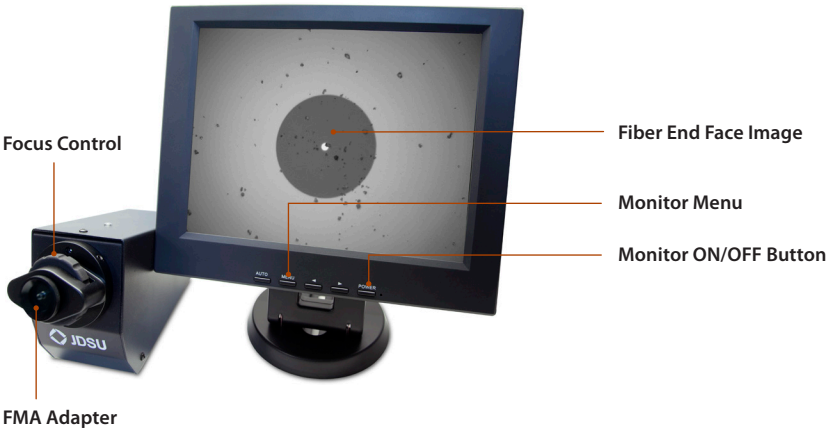
FV and FVW-series Modular Fiber Inspection Workstations

The FV and FVW-series microscopes utilize coaxial illumination to provide the user with a critical view of fine scratches, making them the ideal choice for factory post-polish, component assembly, and QC inspection of fiber connectors. Both systems feature a focusing head that accepts an extensive selection of FMA-series adapters. The FVW-series includes a stand alone 10.5-inch LCD flat screen display integrated microscope. These units also include a 2.5 mm universal adapter for viewing the most common types of connectors. Additional adapters can be purchased separately.

FV-series workstations are bench-top video microscopes designed for inspecting patch cords and ferrules after polishing. They are available in several magnifications, but in general, our 400X models are used after polishing to inspect for fine defects incurred during the polishing or cleaning process. The 200X models are most commonly used to inspect for cleanliness during system assembly prior to mating connectors. JDSU's FV systems have become the industry standard because they deliver crystal-clear imaging of fine defects.

Benefits

- High-resolution image provides superior performance detecting faint scratches and defects
- Connects to any video monitor with BNC input (includes cable)



Optical Specifications

MAG	Horizontal Field-of-View
80X	1450 µm
200X	530 µm
400X	245 µm
400X LWD	265 µm

MAG	Vertical Field-of-View
80X	1100 µm
200X	400 µm
400X	185 µm
400X LWD	200 µm

FV and FVW Specifications

Dimensions	22.4 x 8.4 x 12.2 cm (8.8 x 3.3 x 4.8 in)
Weight	1.18 kg (2.6 lbs)
Video display	10.5-inch LCD
Power supply	**Input:** 100V–240V, 47–63 Hz, 0.58A Max **Output:** 12VDC, 2A Max
Warranty	1 yr

Ordering Information

FV-080	Video microscope bench, 80X microscope, 2.5 mm adapter
FV-080P	Video microscope bench, 80X microscope, PAL, 2.5 mm adapter
FV-200	Video microscope bench, 200X microscope, 2.5 mm adapter
FV-210P	Video microscope bench, 200X microscope, PAL, 2.5 mm adapter
FV-400	Video microscope bench, 400X microscope, 2.5 mm adapter
FV-400-L	Video microscope bench, 400X LWD microscope, 2.5 mm adapter
FV-410P	Video microscope bench, 400X microscope, PAL, 2.5 mm adapter
FV-410P-L	Video microscope bench, 400X LWD microscope, PAL, 2.5 mm adapter
FVW-209	Modular fiber workstation, 200X microscope, 10.5-inch LCD monitor with stand
FVW-409	Modular fiber workstation, 400X microscope, 10.5-inch LCD monitor with stand
VM-10C	Video LCD monitor, 10.5-inch color with stand

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