

Dual-Head Bench-top Fiber Termination Inspection Workstations

The FVDW 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 inspection, component assembly, and QC environments. The FVDW systems feature an attached 9" monitor that is inclined backward 22.5 degrees and accept all FMA-Series adapters. Each microscope has two heads, ideal for inspecting:

- Breakout cables where one end requires a multifiber connector and the other requires some type of simplex connector, e.g. (1) MTP to (12) SC or (1) MTRJ to (2) LC
- PC connectors on one side with APC connectors on the other side
- Common 2.5mm ferrules on one side and SFF 1.25mm ferrules on the other side
- Manufactured components where different connectors are frequently used
- Routinely at 200x on one side and critically at 400x on the other side

The FVDW workstations incorporate the new ScratchView™ feature. In the normal viewing mode defects and debris are easily seen across the end-face, but pressing the ScratchView button on the front of the microscope allows the operator to repeatedly see very faint scratches that are otherwise difficult to detect.

Features & Benefits:

- Coaxial illumination provides clear view of ferrule scratches
- Integrated monitor allows for easy, virtually instant setup
- Dual heads for increased throughput can be configured at two different magnifications
- Inclined monitor provides a comfortable, more ergonomic viewing angle
- Easily changeable adapters for virtually any type of connector
- Incorporates new ScratchView technology

Specifications	
Optical Magnification ¹	200x or 400x
Power Requirements	NTSC: 100-120V AC - 9V DC (Internal) PAL: 220-240V AC - 9V DC Adapter (Monitor powered separately)
Illumination	Coaxial illumination Rated life: 100,000 hours
Weight	8.6kg/19lb
Size (with 9" Monitor)	13.7" (34.8cm) L 8.6" (21.8cm) W 13.8" (35.1cm) H
Controls	Microscope select switch, on/off rocker switch, focus control knob, ScratchView button
Adapter Interface	Uses interchangeable precentered universal or dedicated adapters
Warranty	1 year



Horizontal Field of View (Microns)

Microscope	9" Monitor
FVDW 200x NTSC	481
FVDW 200x PAL	501
FVDW 400x NTSC	223
FVDW 400x PAL	230

Ordering Information

Part Number	Description ¹
FVDW-1209	80/200x, NTSC, US Plug
FVDW-1409	80/400x, NTSC, US Plug
FVDW-2209	200/200x, NTSC, US Plug,
FVDW-2209P	200/200x, PAL, EU Plug
FVDW-2409	200/400x, NTSC, US Plug
FVDW-2409-L	200/400x, Long Working Distance Objectives, NTSC, US Plug
FVDW-2409-UK	200/400x, PAL, UK Plug
FVDW-2409P	200/400x, PAL, EU Plug
FVDW-4409	400/400x, NTSC, US Plug
FVDW-4409-EU	400/400x, NTSC, EU Plug
FVDW-4409-L2	400/400x, Long Working Distance Objectives, NTSC, US Plug
FVDW-4409P	400/400x, PAL, EU Plug
FVDW-4409PL2	400/400x, Long Working Distance Objectives, PAL, EU Plug

¹Magnification shown is a relative value intended only for comparison between models. Actual magnification is dependent on monitor size and is detailed in Westover's Technical Bulletin *Total Magnification Explained*.

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All Westover Scientific Video Fiber Microscopes are warranted to be free of all defects in material and workmanship for a period of 12 months (1 year) from the date of delivery. The warranty does not apply to any instrument which has become worn, defective, damaged, or broken due to abuse, misuse, tampering, or unauthorized repairs. Under this warranty, Westover Scientific will repair or replace, without charge to the purchaser, any part which upon our examination appears to be defective in materials or workmanship.