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SENKO[®]
Advanced Components

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Manta-W+

microscope probe



All fibers in one screen
(FOV: 4.1 x 3.0 mm)

PASS/FAIL indicator

Manta-W+

Detachable
USB 3.0 SuperSpeed cable

Detailed analysis of scratches
and defects

Wide variety of tips

**All MPO fibers at once.
MT12 Pass/Fail report in 2 seconds.**



Single fiber



Multi-fiber



Auto focus



0.75 μm
defect size detection



Scratch
detection



Industry
standards



PASS/FAIL
verdict



Up to 96 fibers
in just one scan



"Great option for MTP/MPO testing; ability to check up to 96 fibers on one screen is impressive. Broad range of compatible connectors makes it an even more impressive product."

—The Lightwave Innovation Reviews, judge's comment

Application

- field inspection;
- in lab or production as a benchtop microscope (with a cradle)

Specification

Connectors tested: male and female MPO connectors (SM and MM), MT ferrules, LC, FC, SC, E2000™, QSFP, ARINC, MIL-38999, High-power SMA, Avim, mini-Avim, and more. Patchcord and bulkhead side. Custom tips can be developed for special connectors.

NEW: Tips for 3M™ Expanded Beam Optical Connector, ODC®, Q-ODC®, MXC®, HMFOC, CS® and SN® connectors added to the range.

Field of view: 4.1 × 3.0 mm

Defect size detection: 0.75 μm

Optical resolution: 1.8 μm

Magnification: 260×

Focus: Autofocus

NEW: Focus-stacking feature added to handle the cases when a connector is not inserted properly and only part of the ferrule gets in focus.

Camera type: CMOS, 12MP, monochrome

Power source: USB 3.0 port of PC

Dimensions (H × W × L): 70 × 28 × 246 mm (2.76 × 1.1 × 9.69 inches)

Weight: 491 g (1.08 lbs)

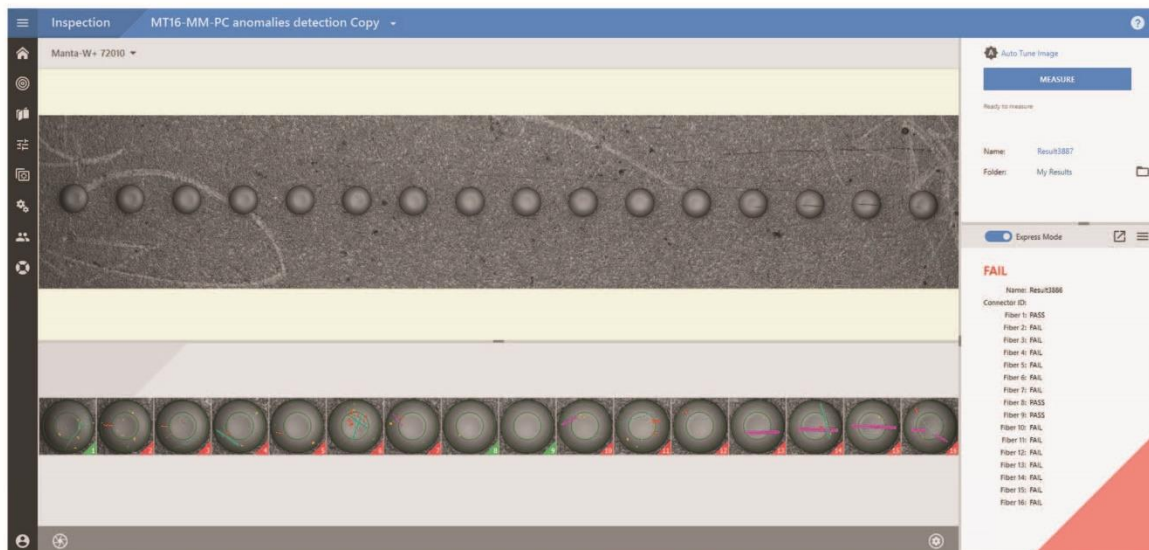
Material: aluminum housing, stainless steel barrel

Compatible with: desktop PC, laptop, tablet

Operating system: Windows 10

Kit contents: SMX-Manta-W+ microscope, USB 3.0 cable, Case, MaxInspect analytical software

NEW: Sumix now offers a variety of optical connector cleaning tools to cover all your inspection and cleaning needs in one purchase.



Measurement result for 16-fiber MPO connector.

For more information or get a demo unit, contact your local Senko sales person or email us at sales@senko.com.