

Be confident in your inspection results
when setting up or servicing connections.

Portable MPO Inspection Kit*

Manta Series

Fiber Inspection Microscope with **Android** Phone



Handy, fast, automated inspection tool for data-centers, fiber-to-the-antenna and other field applications. Single and multi-fiber patch cords, bulkhead and QSFP modules – all inspected with the unsurpassed resolution and level of detail.

Features and Capabilities

- Visual and Pass/Fail analysis of scratches, defects and contamination
- All MPO fiber end faces captured at once
- Fast processing speed – inspect MPO-12 in just 3-4 seconds
- One-hand operation for data-center technicians and tower climbers
- Wired USB 3.0 connection for uninterrupted operation
- Possibility to disable signal and data transmission upon request for security reasons
- Pass/Fail LED indicator to immediately see the result.

*currently includes Manta-HM microscope and Google Pixel 5a phone

Contact salesteam@sumix.com to get a quote or request a demo.



MaxInspect™ application for Android™

Same powerful anomalies detection algorithms as in a desktop application. Multi-touch screen navigation. The inspection result at your fingertips. Literally.

Use pre-installed inspection scenarios or customize them up to your corporate requirements or regulations.

← MT32 SM APC

Task name
MT32 SM APC

Fiber Diameter
125.00

Fibers per row
16

Rows count
2

Column distance
250.00

Row distance
500.00

Scratch detection

Standard
IEC 61300-3-35/Ed2 SM APC

A (0.0-25.0um)

Scratch (4:>0.0um)

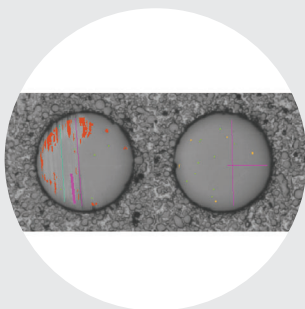
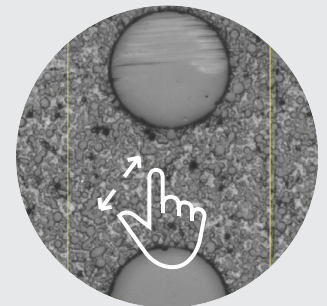
Scratch (0:>3.0um)

Defect (0:>0.0um)

B (25.0-115.0um)



Examine the whole ferrule end face and guide holes. Check the details if needed using multi-touch gestures.



Review measurement result data and mapped anomalies to check the defects and contamination before and after cleaning.

← Result 209 SEND TO CENTDB

Fail

Fiber No	1	2	3	4	5
Verdict	FAIL	FAIL	FAIL	FAIL	FAIL
Zone A (0 - 25 μm)					
Type: Scratch Width: > 0 μm Allowed: 0	0	1	1	0	1
Type: Defect Encompassing Circle Diameter: > 0 μm Allowed: 0	1	0	0	0	0
Zone B (25 - 115 μm)					
Type: Scratch Width: > 3 μm Allowed: 0	0	0	0	0	1
Type: Defect Encompassing Circle Diameter: 2 - 5 μm Allowed: 5	2	3	5	15	4

Result browser

Result 220 MT12 SM PC	Jan 5, 2022, 3:08 PM
Result 219 Single fiber	Jan 5, 2022, 3:08 PM
Result 218 Single fiber	Jan 5, 2022, 3:08 PM
Result 217 Single fiber	Jan 5, 2022, 3:01 PM
Result 216 Single fiber	Jan 5, 2022, 2:59 PM
Result 215 Single fiber	Jan 5, 2022, 2:59 PM
Result 214 Single fiber	Jan 5, 2022, 2:58 PM
Result 213 Single fiber	Jan 5, 2022, 2:58 PM
Result 212 Single fiber	Jan 5, 2022, 2:58 PM
Result 211 Single fiber	Jan 5, 2022, 2:58 PM
Result 210 MT12 SM PC	Jan 5, 2022, 1:51 PM
Result 209 MT12 SM PC	Jan 5, 2022, 10:25 AM
Result 208 MT12 SM PC	Jan 5, 2022, 10:25 AM
Result 207 MT12 SM PC	Jan 5, 2022, 10:22 AM
Result 206 MT12 SM PC	Jan 5, 2022, 10:21 AM
Result 205 MT12 SM PC	Jan 5, 2022, 10:21 AM

Upload the results to a centralized data-base, save PDF reports for records or print them out if certification is required by your quality management policy.