

INSPECTION D SCOPE MT



D SCOPE MT

High resolution microscope for Multi-fiber connector

The new D SCOPE MT microscope for MTP/MPO connectors is **the fastest on the market.**

In the same measurement cycle, D Scope MT checks every optical fiber surface condition, and **allows the operator to control the cleanliness of the connector endface and guideholes.**

The fully automatic D SCOPE MT is **the ideal instrument for checking the conformity of connectors to Industry Standards.**

With very high measurement accuracy, D SCOPE MT has been designed for use in **high volume manufacturing environments or the most demanding laboratories.**

KEY FEATURES :

Testing of PC/APC connectors and ferrules from 1 to 64 fibers

Ultra-fast measurement time

Automatic Pass/Fail defect analysis

Automatic focus adjustment

High resolution optics with defect size detection of 0.5 μ m

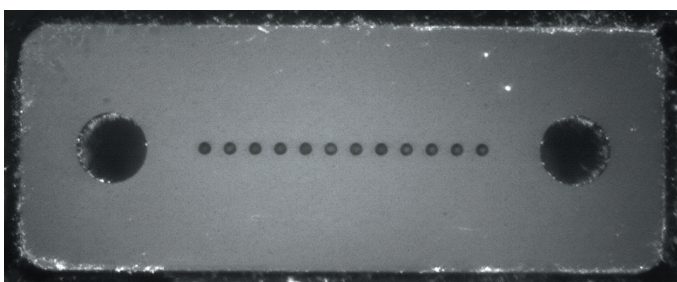
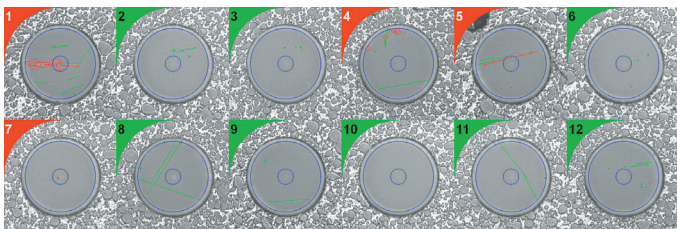
Compliance with Industry Standards as IEC 61300-3-35

Real time full connector endface view

Intuitive Blink software with database connectivity

Compatible with Desktop PC, laptop, tablet PC

USB powered - no external power supply needed



MEASUREMENT TIMES :


CONNECTOR TYPE	FIBER SCREENING ONLY	WITH END FACE VIEW
MT 12	3 sec.	5 sec.
MT 24	5 sec.	7 sec.

SPECIFICATIONS :

Magnification (fiber screening) :	X 400
Defect size detection (μ m) :	0.5
Outputs :	USB 3.0 + 2.0
Power source :	12 V
Dimensions H x W x L (mm) :	105 x 230 x 285
Weight (kg) :	6.6

TYPICAL REPORT (FOR MT 12):


 Inspection MT report **Sample name: SG MPO 10** 2018-07-13

Device DScopeMT serial 4103307489-2 Camera settings accumulated frames: 1 exposure time: 20 ms gain: 1 gamma: 1	Profile: MT12-PC-Multimode.imt Fiber diameter: 125 µm	Custom fields Sample name: SG MPO 10 Operator: DataPixel	
Diameter: 25 µm Scratches Allowed: None Defects Allowed: None			

Zone A: Core			Zone B: Cladding		
Fiber	Defects	Scratches	Defects	Scratches	Pass/Fail
1	2	4	0 ≤ 2µm 2 from 2-5µm 3 > 5µm	5 ≤ 3µm 0 > 3µm	FAIL
2	0	0	0 ≤ 2µm 2 from 2-5µm 0 > 5µm	1 ≤ 3µm 0 > 3µm	PASS
3	0	0	2 ≤ 2µm 2 from 2-5µm 0 > 5µm	0 ≤ 3µm 0 > 3µm	PASS
4	0	0	1 ≤ 2µm 2 from 2-5µm 4 > 5µm	2 ≤ 3µm 0 > 3µm	FAIL
5	0	2	1 ≤ 2µm 1 from 2-5µm 0 > 5µm	2 ≤ 3µm 0 > 3µm	FAIL
6	0	0	2 ≤ 2µm 1 from 2-5µm 0 > 5µm	0 ≤ 3µm 0 > 3µm	PASS
7	1	0	0 ≤ 2µm 0 from 2-5µm 0 > 5µm	0 ≤ 3µm 0 > 3µm	FAIL
8	0	0	1 ≤ 2µm 0 from 2-5µm 0 > 5µm	3 ≤ 3µm 0 > 3µm	PASS
9	0	0	0 ≤ 2µm 1 from 2-5µm 0 > 5µm	1 ≤ 3µm 0 > 3µm	PASS
10	0	0	0 ≤ 2µm 0 from 2-5µm 0 > 5µm	0 ≤ 3µm 0 > 3µm	PASS
11	0	0	1 ≤ 2µm 0 from 2-5µm 0 > 5µm	2 ≤ 3µm 0 > 3µm	PASS
12	0	0	3 ≤ 2µm 1 from 2-5µm 0 > 5µm	2 ≤ 3µm 0 > 3µm	PASS

ORDER OPTIONS:

D Scope MT unit with : - Blink Inspection MT - 2 flanges (MT + MPO 12/24)	71-DSMT-V1-A10-00
Flange MT Male/Female, PC/APC, 12/16/24/32 fibers	30-FL-002181
Flange MPO Male/Female, PC/APC, 12/24 fibers	30-FL-002182
Flange MPO Male/Female, PC/APC, 16/32 fibers	30-FL-002183
Flange Single fiber 1.25 mm PC/APC	30-FL-002314
Flange Single fiber 2.50 mm PC/APC	30-FL-002315