INSPECTION

D SCOPE MT

DEEP LEARNING INSIDE

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.**

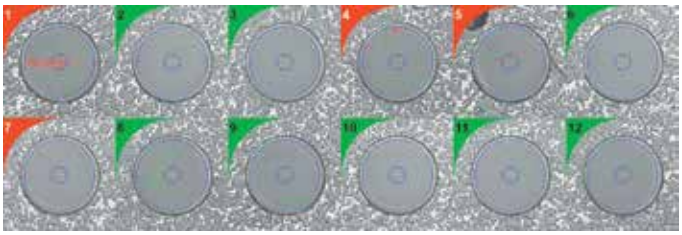
In the same measurement cycle, D Scope MT checks every optical fiber surface condition, and **allows the operator to control the cleanliness of the connector endface and guideholes.**

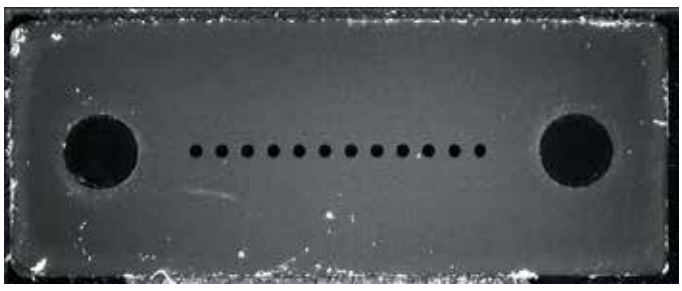
The fully automatic D SCOPE MT **is the ideal instrument for checking the conformity of connectors to Industry Standards.**

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 0.3µm
- Compliance with Industry Standards as IEC 61300-3-35
- Real time full connector endface view
- Intuitive Blink software with database connectivity
- USB powered - no external power supply needed
- Compatible with desktop PC, laptop, tablet PC





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) :	x480 on 24" screen, 96 dpi
Defect size detection (µm) :	0.3
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

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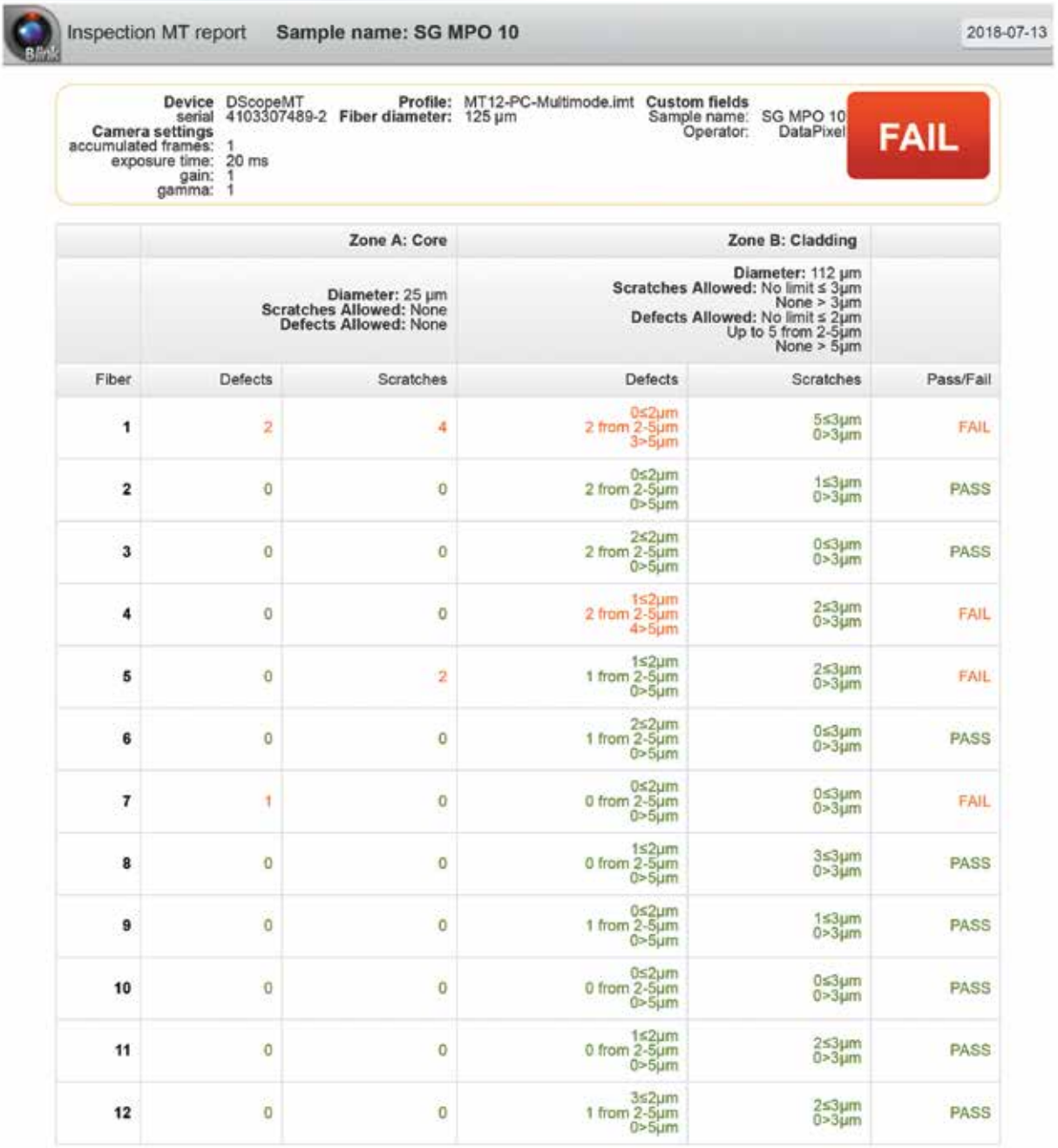
TYPICAL REPORT (FOR MT 12):



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

Device DScopeMT **Profile:** MT12-PC-Multimode.imt **Custom fields**
serial 4103307489-2 **Fiber diameter:** 125 µm Sample name: SG MPO 10
Camera settings Operator: DataPixel
accumulated frames: 1
exposure time: 20 ms
gain: 1
gamma: 1

FAIL

	Zone A: Core		Zone B: Cladding		
	Diameter: 25 µm **Scratches Allowed:** None **Defects Allowed:** None		**Diameter:** 112 µm **Scratches Allowed:** No limit ≤ 3µm None > 3µm **Defects Allowed:** No limit ≤ 2µm Up to 5 from 2-5µm None > 5µm		
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
BLINK-INSPECTION for single fiber connectors measurement plugin	60-SW-000102
Flange Single fiber 1.25 mm PC/APC	30-FL-002314
Flange Single fiber 2.50 mm PC/APC	30-FL-002315

NB: In order to measure single fiber connectors on Dscope MT, the license for Blink Inspection plugin (60-SW-000102) is required.

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