

# 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.

It allows to verify the compliance of the optical fiber surface conditions individually and in the same measurement cycle to also control the cleanliness of the connector endface and guide holes.

The fully automatic D-SCOPE MT is the ideal instrument for checking the conformity of connectors to IEC standards.

With a 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

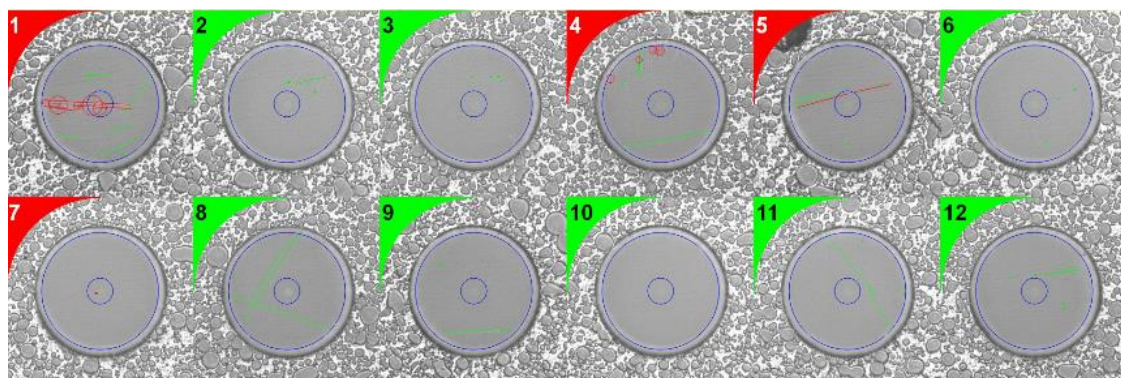
High resolution optics with a defect size detection of 0.5  $\mu\text{m}$

Compliance with IEC standards 61300-3-35

Real time full connector endface view

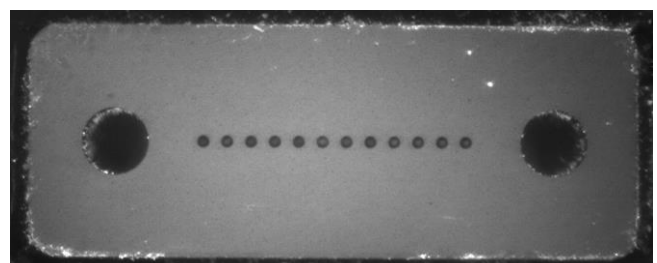
Intuitive Blink software

Compatible with desktop PC, laptop, tablet PC



### Measurement times :

Connector type	Fiber screening only	with Endface view
MT12	2 sec.	< 5 sec.
MT48	5 sec.	5 sec.



## Typical Report (for MT12) :

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

## Specifications :

Magnification (fiber screening) :	x 400
Defect size detection :	0.5 µm
Outputs :	USB 3.0 + USB 2.0
Power source :	12V
Dimensions (HxWxL) :	105 x 230 x 265 mm
Weight :	6,6 kg

## Order options :

Unit	P/N
D-Scope MT unit with	
- <i>Blink automated visual inspection</i>	71-DSMT-V1-A10-00
- <i>2 flanges</i>	
MT flange M/F, PC/APC, 12/16/24/32 fibers	30-FL-002181
MPO flange M/F, PC, APC, 12/24 fibers	30-FL-002182
MPO flange M/F, PC/APC, 16/32 fibers	30-FL-002183
Single fiber 1.25 mm flange PC/APC	30-FL-002314
Single fiber 2.5 mm flange PC/APC	30-FL-002315