SUMIX

02/22/2022

MAX-Quantum

interferometer

Single fiber

1.4 sec — Fast measurement

A — Auto focus

Multi-fiber

7 sec — Fast measurement

White light, phase shift

Fixtures for bare fiber, single and multi-fiber connectors, including MT16/32

USB 3.0 SuperSpeed connection



Weight 10.6 lbs

What makes it unique?

6×4.4 mm — Large field of view

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12 MP — Large imaging sensor

\+

1.4 µm — High resolution

\+

High contrast optics

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Reliable scratch detection

&

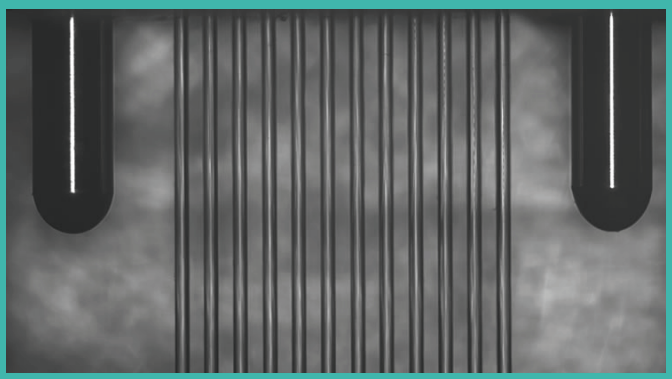
MT16/32 in one scan

&

IEC — Additional parameters

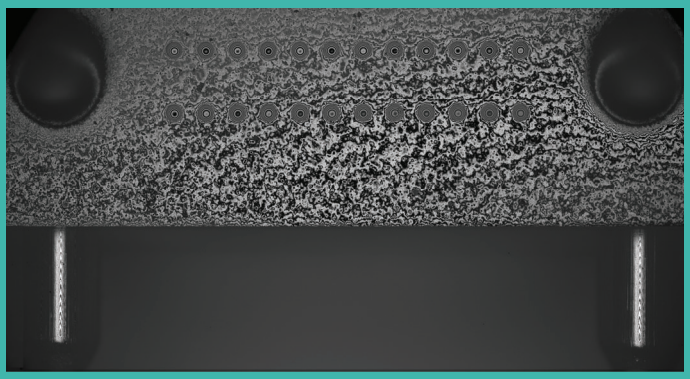
Additional MT ferrule parameters required by IEC

- angles and offset of fiber holes
- angles and parallelism of guide holes

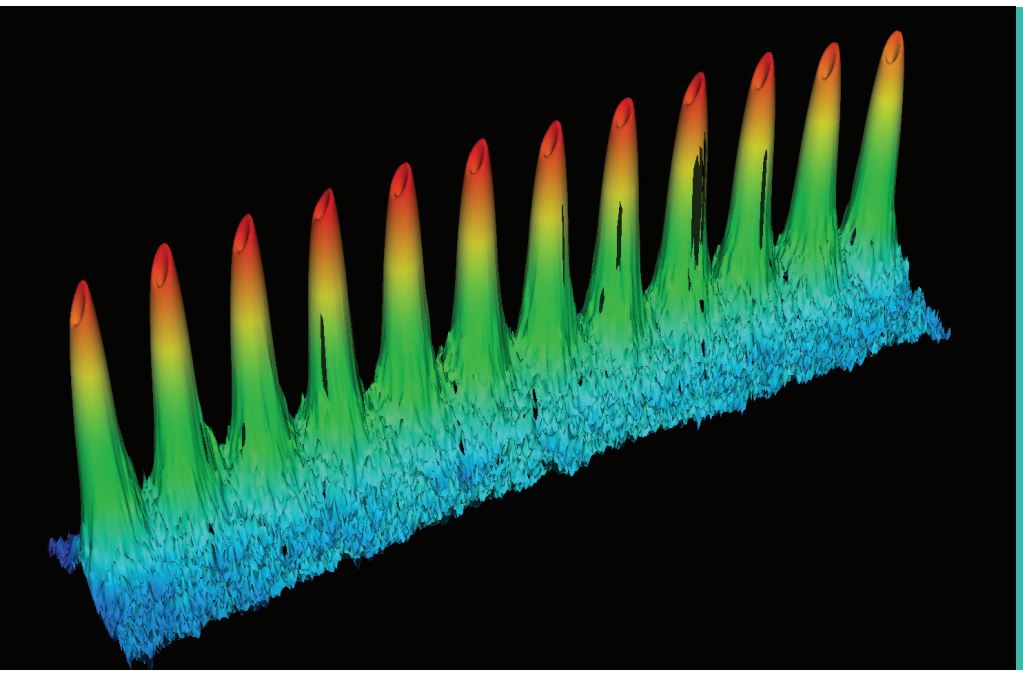


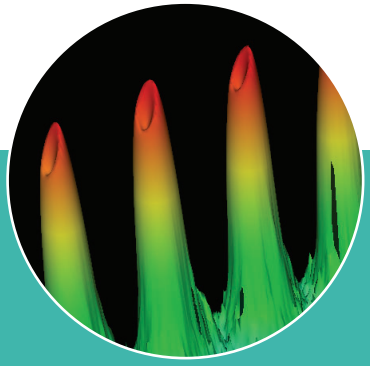
Side view of MT bare ferrule with inserted pins and fibers obtained with True Position™ fixture

- angles and parallelism of guide holes



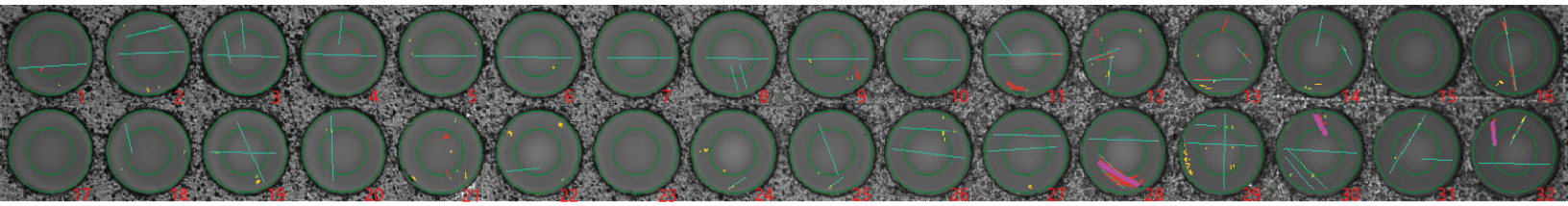
Side+front view of MT ferrule with pins obtained with MAX-SVF-series fixture





Applications

- Single and Multi-fiber Patchcords
- Mil Spec Termini
- Laser Cleaved Ribbons
- Cleaved Bare Fiber
- Bare Ferrule
- Large Diameter Fiber
- Flat Polish



Specification

Repeatability C.F.*:	ROC: 0.9% (MT12); 0.04% (SC/APC) Fiber Height: 0.8 nm (MT12); 0.1 nm (SC/APC) Angles: 0.005 deg (MT12); 0.0002 deg (SC/APC) Apex Offset: 0.04 µm (SC/APC)
Repeatability C.R.:**	ROC: 1.2% (MT12); 0.05% (SC/APC) Fiber Height: 1.1 nm (MT12); 0.4 nm (SC/APC) Angles: 0.01 deg (MT12); 0.006 deg (SC/APC) Apex Offset: 1.0 µm (SC/APC)

* Values were calculated from 30 consecutive measurements without interaction on connector between measurements (connector fixed) and represent one sigma value.
** Values were calculated from 30 consecutive measurements with removing and inserting connector between measurements (connector reloaded) and represent one sigma value.

Dimensions (H × W × L):	181 mm × 213 mm × 117 mm (7.13 in × 8.39 in × 4.61 inches)
Weight:	4.8 kg (10.6 lbs)
Power supply:	external, USB 3.0 cable, 12 V DC power adapter

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