SUMIX

MAX-Quantum
interferometer

USB 3.0 SuperSpeed connection

Single fiber

1.4 sec — Fast measurement

Auto focus

Multi-fiber

7 sec — Fast measurement

White light, phase shift

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

SUMIX

MAX-Quantum

Weight 10.6 lbs

What makes it unique?

6×4.4 mm
Large field of view

+
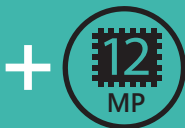
12 MP
Large imaging sensor

+

1.4 μm
High resolution

+

High contrast optics

=

Reliable scratch detection
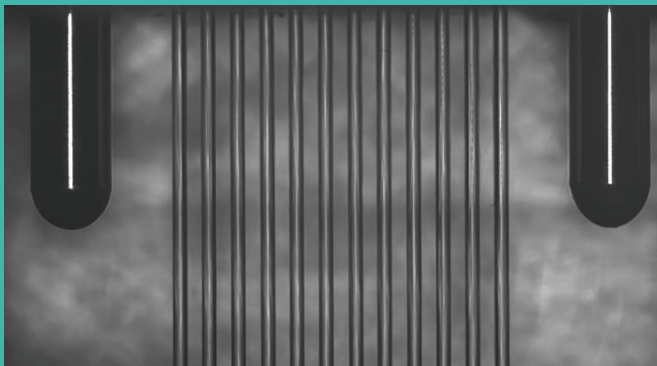
&

MT16/32 in one scan
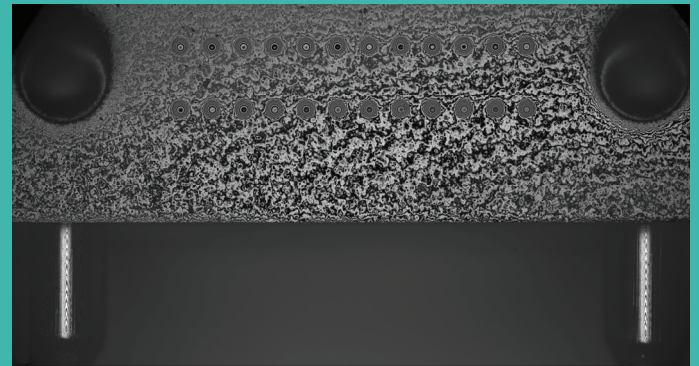
&

IEC
Additional parameters

Additional MT ferrule parameters required by IEC

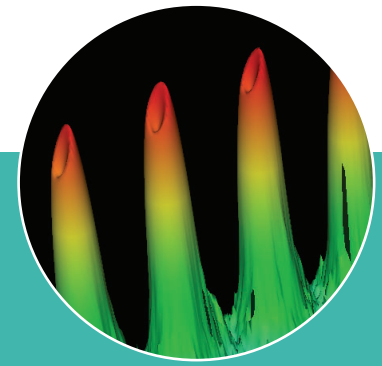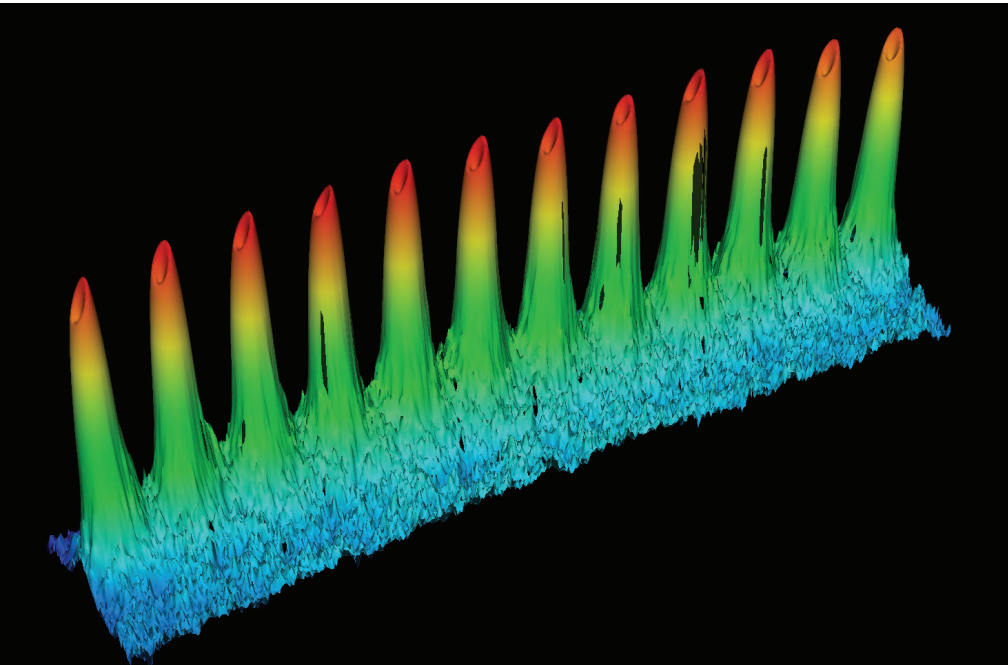- angles and offset of fiber holes
- angles and parallelism of guide holes

- angles and parallelism of guide holes

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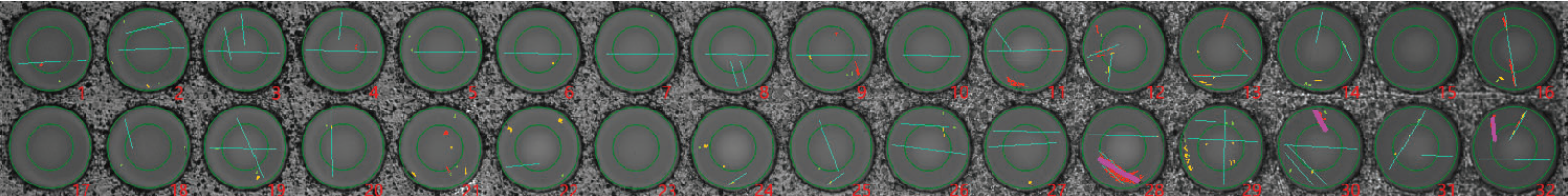

Side+front view of MT ferrule with pins obtained with MAX-SVF-series fixture

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

MaxInspect
software supplied with Sumix probes

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