

# MAX-Quantum

## interferometer



Single fiber



Fast measurement



Auto focus



Multi-fiber



Fast measurement

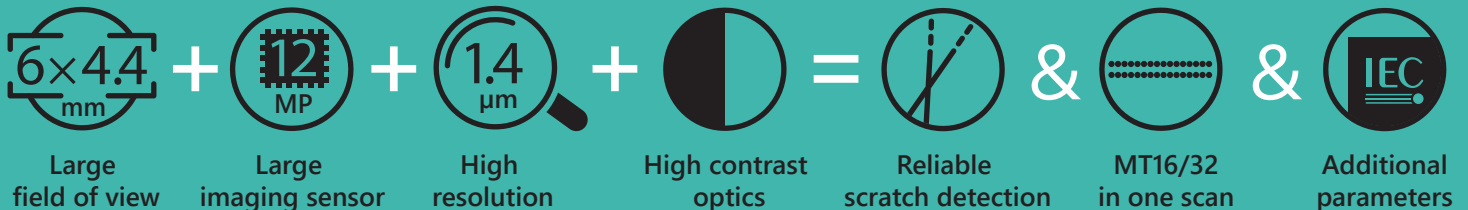


White light, phase shift

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

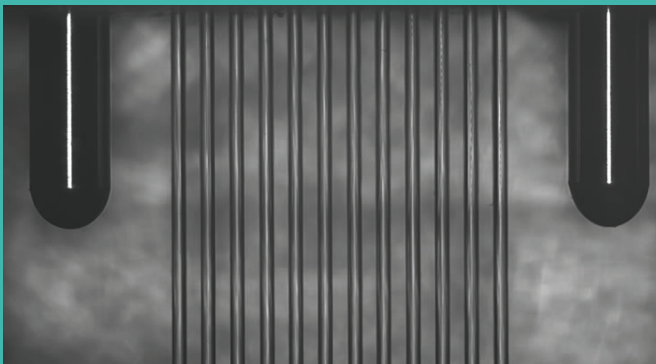


## What makes it unique?

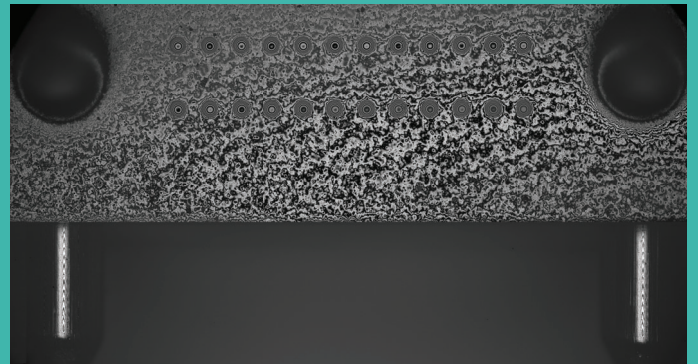


### Additional MT ferrule parameters required by IEC

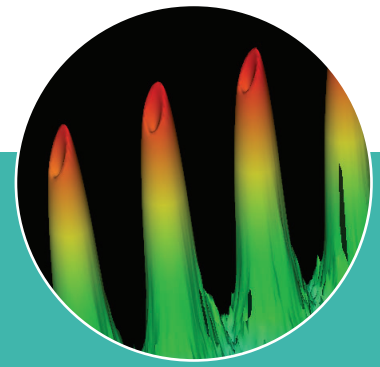
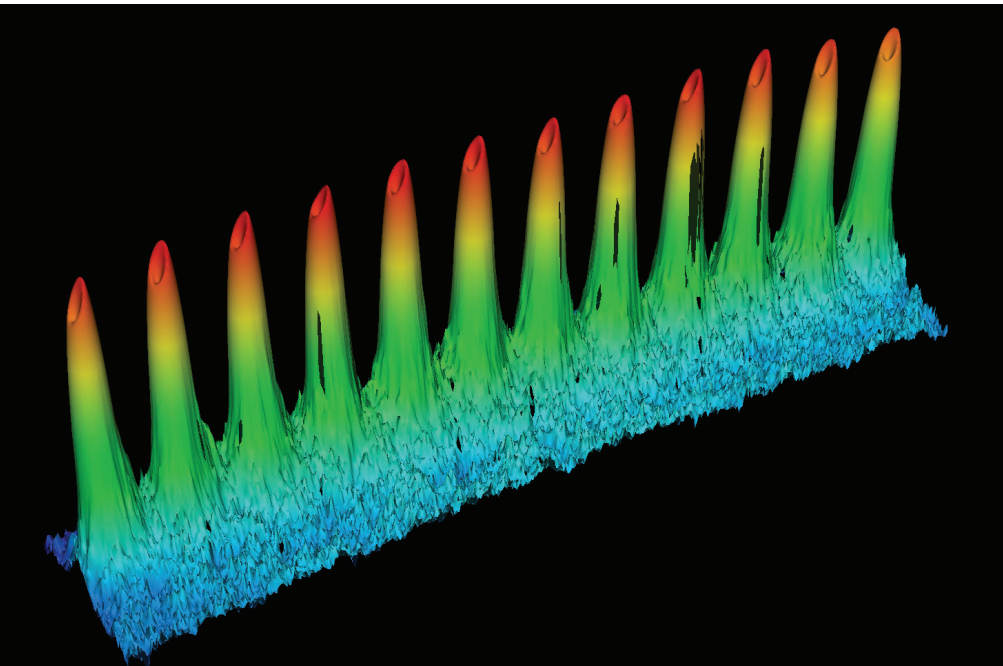
- angles and offset of fiber holes
- angles and parallelism of guide holes
- angles and parallelism of guide holes



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

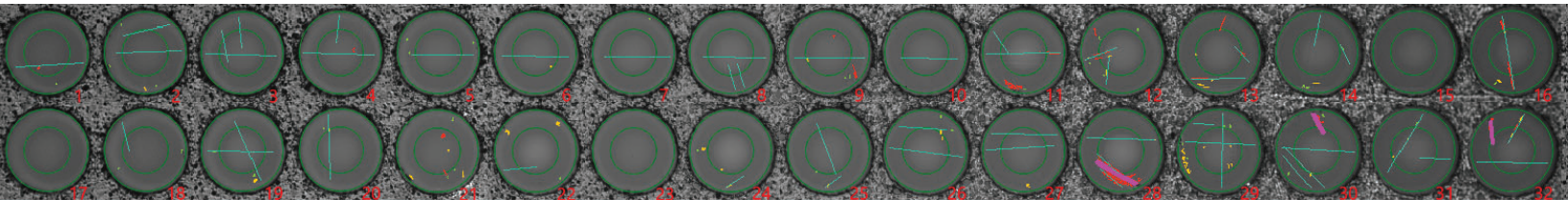


Side+front view of MT ferrule with pins obtained with MAX-SVF-series fixture



## 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  $\mu$ m (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  $\mu$ m (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 x W x L):** 181 mm x 213 mm x 117 mm (7.13 in x 8.39 in x 4.61 inches)

**Weight:** 4.8 kg (10.6 lbs)

**Power supply:** external, USB 3.0 cable, 12 V DC power adapter



software supplied with Sumix probes

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