

# MAX and WIZ interferometers



Single fiber



Multi-fiber



Phase shift, white light



Scratch detection



Auto focus



Industry standards



PASS/FAIL verdict

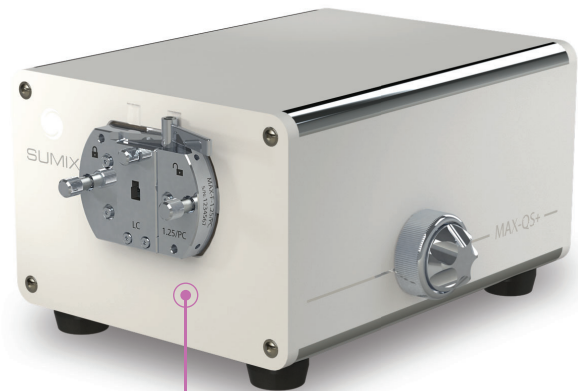
## WIZ-QS-110

for single fiber connectors



## MAX-QS+

for single fiber connectors



## MAX-QM+

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



## MAX-Quantum

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



	Inspection of Single Fiber		Inspection of Single and Multi-Fiber	
	WIZ-QS-110	MAX-QS+	MAX-QM+	MAX-Quantum
<b>Inspection objects:</b>				
Single Fiber Patchcords	●	●	●	●
MIL Spec Termini	●	●	●	●
Cleaved bare fiber	●	●	○	●
SMA	○	○	●	●
MT, MPO 12/16, Cleaved ribbon			●	●
<b>Application:</b>				
Production, QA & Field Laboratories	●	●	●	●
<b>Features and Specifications:</b>				
Anomalies detection		●		●
Whitelight mode	●	●	●	●
Optical resolution, μm	2.5	1.1	2.2	1.47
Field of view, mm	1.2 × 0.9	1.1 × 0.9	5.6 × 3.5	6.0 × 4.4
Measurement time	1.3 sec	2 sec	3 sec (MT12), 1 sec (SF)	7 sec (MT12), 1.4 sec (SF)
Scan range for fiber height, μm	100	100	100	100
Compact size	●	●	●	●
Calibration-free upon fixture change	●	●	●	●
Auto-focus	●	●	●	●
Data-base connectivity	●	●	●	●
Side+Front View compatibility			●	●
<b>Price</b>	★	★★	★★★	★★★★



### Industry-leading MaxInspect™ software

The software is provided with predefined Pass/Fail criteria per IEC standards or you can set your own parameters for specific applications (e.g. when launching a new product).

MaxInspect™ software provides the following **tools for integration** into customer's manufacturing systems:

- Export of results to Excel/CSV files;
- Direct connection to customer's SQL database;
- MaxInspect™ WebSocket API;
- Centralized MaxInspect™ database.

**Inspection** MT12-PC **Result**

Result2604

Name: Result2604  
 Date & Time: 3/14/2016 4:40:12 PM  
 Task name: MT12-PC  
 Device SN, Fixture SN: MAX-QM 37003, 324007  
 Customer:  
 Technician: Admin  
 Company: Sumix  
 Core dip algorithm: Parabolic  
 Fitting regions: L=2900μm; H=675μm; E=140μm; F=50μm; CumA=20%; Top=3%  
 Pass/Fail standard: IEC 61755-3-32 (based on)  
 Calculation standard: IEC 61300-3-30 Ed2

**FERRULE**

Measurement Parameter	Units	Pass/Fail Limits		Measured Value	Verdict
		Min	Max		
Ferrule Radius of Curvature X	mm	-10000.00*	2000.00*	-12909.73	PASS
Ferrule Radius of Curvature Y	mm	5.00		124.01	PASS
Tilt Angle X	°	-0.1500	0.1500	0.0372	PASS
Tilt Angle Y	°	-0.2000	0.2000	0.0121	PASS
Dome Height	mm			360.65	N/A
Geometry Limit		10.50		N/A	N/A

\* - Pass value must be less than Min and greater than Max

**FIBER HEIGHT LIMITS**

Measurement Parameter	Units	Pass/Fail Limits		Measured Value	Verdict
		Min	Max		
Max-Min	nm			195.37	N/A
Max Adj Diff	nm	0.00	500.00	75.65	PASS
Minus Coplanarity	nm	0.00	300.00	92.73	PASS
Coplanarity Plane Angle X	°			0.0004	N/A

**FIBERS**

Measurement Parameter	Units	Pass/Fail Limits		Fiber Number / Measured Value / Verdict											
		Min	Max	1	2	3	4	5	6	7	8	9	10	11	12
Height	nm	1000	3500	2517.97	2519.43	2484.31	2432.01	2388.91	2464.56	2468.24	2444.93	2476.63	2551.22	2584.10	2584.28
ROC	mm	1		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Core Dip	nm			31	42	38	34	60	16	62	42	50	71	34	40

3D Surface | Live View Snapshot | 3D Subtracted Surface | 2D Substructure

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