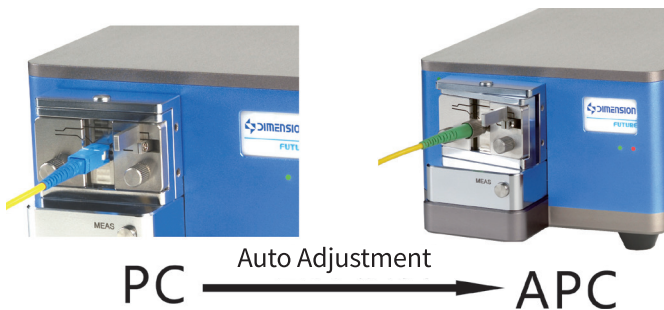


FUTURE Automatic 5D Fiber Endface Interferometer

FEATURES:

- Capable for both 3D profile and visual inspection
- Auto focus and Auto calibration
- 0~12° APC angle auto tuning
- Self-adapted locking fixture
- Quick measurement
- Reliable data transmission



0~12° APC Angle Auto Tuning

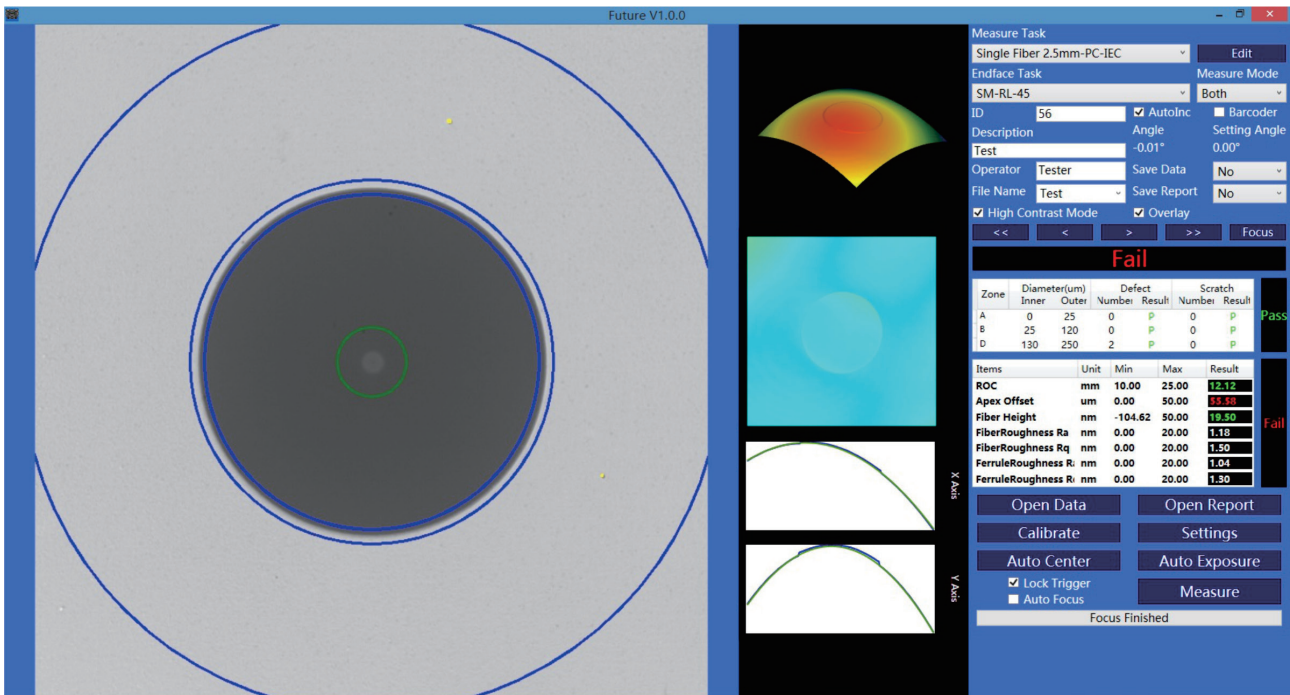
Benefited with the unique fixture design, FUTURE can tune the APC angle precisely from 0 ° to 12 ° automatically, meeting any special requirement on APC angle setting.

Self-adapted Locking Strength

With the special designed self-adapted locking fixture, the strength to lock the ferrule is consistent. The fixture abrasion is limited and the life cycle of fixture is longer than ever before.

Reliable Data Transmission

USB 3.0 connection and new hardware design ensure the high speed and reliable data transmission for FUTURE interferometer, even in the complicated field environment. Individual interference testing can be completed in 1 second.



Synchronize 3D Profile Measurement and Visual Inspection

The elaborate designed structure enables FUTURE to complete 3D profile and visual inspection at the same moment. The functions like auto focusing, auto trigger and auto calibration simplify the operation of interferometer than ever before. Just lock the connector, FUTURE will complete the rest.

Auto Focusing

FUTURE can focus automatically and quickly. In Auto Focus mode, the high accuracy is guaranteed. To be more user-friendly and ensure the flexibility to various users, manual focusing is also designed as an option. The user can tune and fine tune the focus for special applications.

Auto Calibration

The calibration for FUTURE is fully automatic. After each calibration, FUTURE will compensate on the software and hardware setting automatically.

Specifications

Item	Range	Repeatability*	Reproducibility*
ROC(mm)	3~Flat	±0.3%	±0.5%
Apex Offset(um)	0~250	±0.5	±1.5
Fiber Height(nm)	-1000~1000	±1	±2
APC Angle(°)	0~12	±0.01	±0.015
Measure Speed (Do not contain focus)	Endface	1s	
	Interferometry	1.5s	
	Both	2s	
Endface Resolution	0.29um		
Data Link	USB 3.0		
Power Supply	DC 24V		
Size (H*W*D)	283mm*150mm*108mm		

Repeatability: Sigma value obtained after 50 times repeated measurement.
 Reproducibility: Sigma values obtained after 50 times of repeated plug in and out measurement.