DIMENSION
TECHNOLOGY

Multi Fiber Endface Interferometer
Single Fiber Endface Interferometer
Fiber Array Endface Interferometer
Intelligent Endface Inspector
Integrated Fiber Endface Inspector
Cleaning and Inspection Kit
Portable Fiber Endface Inspector
Fiber Endface Cleaning Machine

Fiber Endface Test Solution

2016-2017

DIMENSION

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Dimension Technology Co.,Ltd

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深圳市维度科技有限公司
Dimension Technology Co.,Ltd

Company Profile

Dimension Technology, funded in 2007, is a leading supplier of Fiber visual inspection instrument in the global market. In 2008, Dimension Technology released SANA interferometer, the first non-contact fiber end-face interferometer designed and made in China. SANA interferometer is fully self-developed and patented. In 2010, Dimension Technology released BINNA automatic non-contact fiber end-face interferometer. In 2012, Dimension Technology was granted the national high-tech enterprise by Shenzhen government at the first batch. The BINNA MT single and multi channel integrated fiber end-face interferometer was released at the same year. In 2015, Dimension Technology cooperated with Shenzhen graduate school of Beijing University on the key technology development for river flow monitoring, funded by Shenzhen Science and Technology Innovation Committee Environment Protection Industry Development Project. Leading Ceramic Ferrule Concentricity Tester was released and multi technologies were patented at the same year. The first automatic fiber end-face cleaning and inspection instrument was released in October, 2015.

We strive to innovate to meet the demanding from fiber communication industry. We provide intelligent and automatic fiber end-face interferometer, visual inspector to fulfill the demanding of the manufacturers; offer advanced and smart solutions for fiber communication industry; our products are certified as the industry standard by the international authorities. Based on China market, Dimension Technology established global marketing networks. Our products won the widely approvals from the customers in North America and Europe.

We believe in Imaging, Acting, Innovation and Leading. We commit to fulfill customer's demanding by precise, reliable, simple and practical products. We strive to innovation, leading the change by applying advanced technology.

Product Catalog

BINNA MT16/MTS Single/Multi Channel Integrated Interferometer

Features :

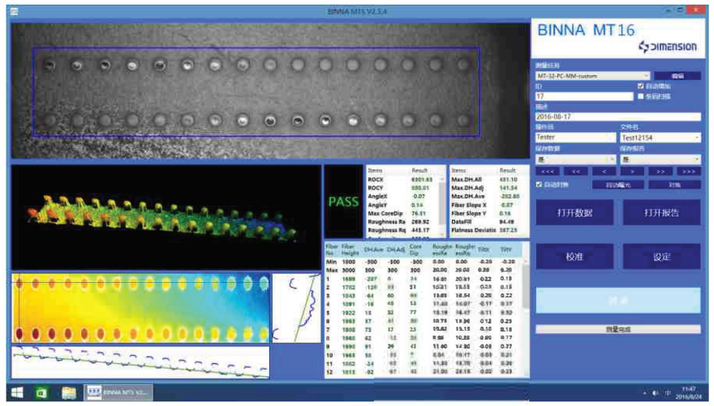
- Non-Contact White Light Interferometer,No Harm to Endface
- Fast Auto Focus,Easy to Operate
- One Click Measurement:Only One Click Needed for Entire Measurement
- Fast Measurement:Only 5s Needed for 12 Core MT Measurement
- Easy to Calibrate,No Need to Adjust Hardware
- Dual Language Software Interface,One Click Changing English & Chinese
- Customizable Measurement Standard,Software will Judge the Product According to the Standard Automatically
- Test Data and Report are Saved in Excel Format,Easy to Manage
- Anti-Vibration Design:Able to Used in Factory Environments

ORDER CODE **BINNA MT16/MTS**

BINNA MT16/MTS is an automatic and non contact fiber endface interferometer for both multi fiber and single fiber connectors.It can measure the geometery parameters of multi fiber connector such an fiber height,core dip,X and Y angle,radius of curvature with white light and measure geometry parameters of single fiber connector with red light.The software can display the surface of the connector in 3D image for a very short time,it needs only 5s to test 12-core MT connector.The BINNA-MTS is intelligent,efficient,stable and accurate and very helpful in improving the quality of the product.

Single and Multi Fiber Measurement

BINNA MT16/MTS is able to measure up to 72 core MT multi fiber connector such as MPO and MTP and single fiber connector such as SC, LC, FC, E2000 by only one machine. Measuring APC connector is as easy as PC connector. The advanced software design makes that the changing the single & multi measurement by clicking mouse twice.



Ultra Fast Test Speed

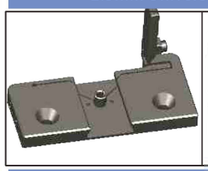
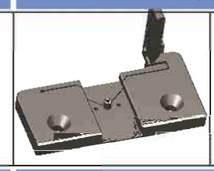
BINNA MT16/MTS has extremely good software and hardware that makes test speed ultra fast.Only 5s is needed to measure 12 core MT connector.The BINNA-MTS is one of the fastest fiber endface interferometer.

Auto Focus & Auto Calibration

BINNA MT16/MTS has equipped advanced test software and several automatic functions,such as auto focus,auto calibration and so on.The automatic function makes that the BINNA-MTS has no need to adjust the hardware to measure various types of connectors.

Precise Fixtures

BINNA-MTS has equipped with several high precisefixtures to measure types of connectors. MT fixtures use PIN guide structure to ensure the accuracy and precision of test result.
The software has several patents-protected algorithms that makes the measurement more accurate, such as the algorithm designed for calculating CoreDip makes the result more sensible and reliable. The software has newest IEC standards to judge the test result in default that makes the test easy and precise.

2.5mm Universal Fixture		1.25mm Universal Fixture		MT Female Ferrule Fixture	
	2.5mm universal fixture is able to measure 2.5mm connector and ferrule such as SC, FC, ST, E2000.		1.25mm universal fixture is able to measure 1.25mm connector and ferrule such as LC,MU.		MT ferrule fixture: is able to measure female type MT ferrules such as MTP, MPO

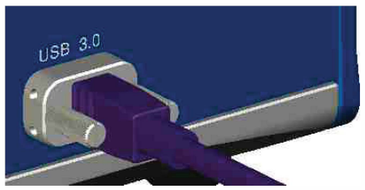
MT Female Connector Fixture		MT Male Connector Fixture(Optional)		MTRJ Female Connector Fixture(Optional)	
	MT female connector fixture is able to measure female type MT connector such as MTP, MPO.		MT male connector fixture is able to measure male type MT connector such as MTP, MPO		MTRJ female connector fixture is able to measure female type MTRJ connector.

Easy Operation

BINNA MT16/MTS is very easy to operate.Changing fixtures need only remove and install two screws by hand due to universal fixture design. Only a few clicks on the main interface is needed to change or customize measurement profiles. BINNA-MT can increase the test efficiency and save the time of training; it is the best friend in manufacturing.

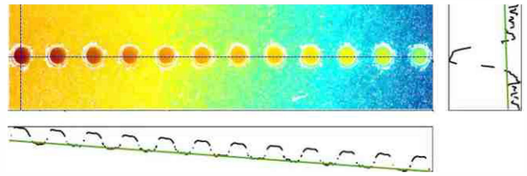
Stable Data Link

BINNA MT16/MTS has improved the data connection,it uses USB cables with lock structure and ensure the stable data link during the measurement。



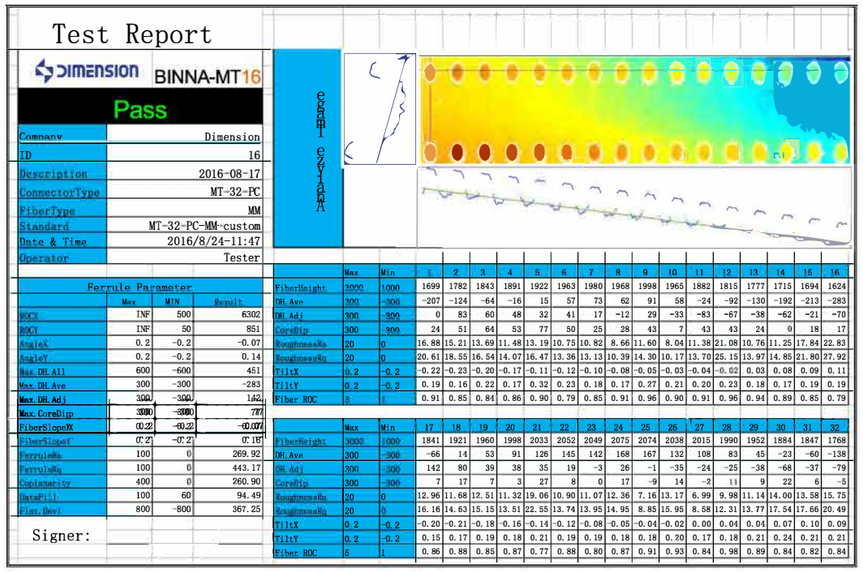
High Resolution 3D Image

The software can rebuild the surface with high resolution 3D image after each measurement.



Auto Generate Data and Report

The data and report is generated by the software automatically in each measurement. The data and report are generated in Excel format and has data processing functions that is very helpful in data analysis.



Test Report

DIMENSION BINNA-MT16

Pass

Company	Dimension
ID	16
Description	2016-08-17
ConnectorType	MT-32-PC
FiberType	MM
Standard	MT-32-PC-MM-custom
Date & Time	2016/8/24-11:47
Operator	Tester

Ferrule Parameter

	Max	MIN	Result
ROCX	INF	500	6302
ROCY	INF	50	851
AngleX	0.2	-0.2	-0.07
AngleY	0.2	-0.2	0.14
Max.DH.All	600	-600	451
Max.DH.Ave	300	-300	-283
Max.DH.Adj	300	-300	142
Max.CoreDip	300	-300	77
FiberSlopeX	0.2	-0.2	-0.07
FiberSlopeY	0.2	-0.2	0.15
FerruleRa	100	0	269.92
FerruleRq	100	0	443.17
Coplanarity	400	0	260.90
DataFill	100	60	94.49
Flat.Devi	800	-800	367.25

Signer:

CORE1 CONTACT

	Max	Min	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FiberHeight	3000	1000	1699	1782	1843	1891	1922	1963	1980	1968	1998	1965	1882	1815	1777	1715	1694	1624
DH.Ave	300	-300	-207	-124	-64	-16	15	57	73	62	91	58	-24	-92	-130	-192	-213	-283
DH.Adj	300	-300	0	83	60	48	32	41	17	-12	29	-33	-83	-67	-38	-62	-21	-70
CoreDip	300	-300	24	51	64	53	77	50	25	28	43	7	43	43	24	0	18	17
RoughnessRa	20	0	16.88	15.21	13.69	11.48	13.19	10.75	10.82	8.66	11.60	8.04	11.38	21.08	10.76	11.25	17.84	22.83
RoughnessRq	20	0	20.61	18.55	16.54	14.07	16.47	13.36	13.13	10.39	14.30	10.17	13.70	25.15	13.97	14.85	21.80	27.92
TiltX	0.2	-0.2	-0.22	-0.23	-0.20	-0.17	-0.11	-0.12	-0.10	-0.08	-0.05	-0.03	-0.04	-0.02	0.03	0.08	0.09	0.11
TiltY	0.2	-0.2	0.19	0.16	0.22	0.17	0.32	0.23	0.18	0.17	0.27	0.21	0.20	0.23	0.18	0.17	0.19	0.19
Fiber ROC	5	1	0.91	0.85	0.84	0.86	0.90	0.79	0.85	0.91	0.96	0.90	0.91	0.96	0.94	0.89	0.85	0.79

	Max	Min	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
FiberHeight	3000	1000	1841	1921	1960	1998	2033	2052	2049	2075	2074	2038	2015	1990	1952	1884	1847	1768
DH.Ave	300	-300	-66	14	53	91	126	145	142	168	167	132	108	83	45	-23	-60	-138
DH.Adj	300	-300	142	80	39	38	35	19	-3	26	-1	-35	-24	-25	-38	-68	-37	-79
CoreDip	300	-300	7	17	7	3	27	8	0	17	-9	14	-2	11	9	22	6	-5
RoughnessRa	20	0	12.96	11.68	12.51	11.32	19.06	10.90	11.07	12.36	7.16	13.17	6.99	9.98	11.14	14.00	13.58	15.75
RoughnessRq	20	0	16.16	14.63	15.15	13.51	22.55	13.74	13.95	14.95	8.85	15.95	8.58	12.31	13.77	17.54	17.66	20.49
TiltX	0.2	-0.2	-0.20	-0.21	-0.18	-0.16	-0.14	-0.12	-0.08	-0.05	-0.04	-0.02	0.00	0.04	0.04	0.07	0.10	0.09
TiltY	0.2	-0.2	0.15	0.17	0.19	0.18	0.21	0.19	0.19	0.18	0.18	0.20	0.17	0.18	0.21	0.24	0.21	0.21
Fiber ROC	5	1	0.86	0.88	0.85	0.87	0.77	0.88	0.80	0.87	0.91	0.93	0.84	0.98	0.89	0.84	0.82	0.84

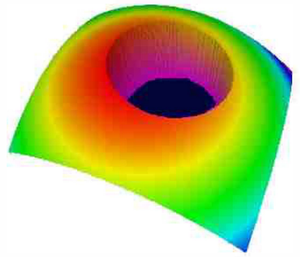
Dimension Technology

BINNA MT16

	sample		PASS	Ferrule surface	Fiberheight	DH.Ave	DH.Adj	CoreDip	Rq	Ra	TiltX	TiltY	Fiber ROC
ID	Name	Type	FAIL	ROC X	Fiber1	Fiber1	Fiber1	Fiber1	Fiber1	Fiber1	Fiber1	Fiber1	Fiber1
				(mm)	(nm)	(nm)	(nm)	(nm)	(nm)	(nm)	(nm)	(nm)	(nm)
Number of Samples:				17	17	17	17	17	17	17	17	17	17
Minimum:				4,980.00	1,677.00	-217.00	0.00	24.00	16.01	19.93	-0.23	0.16	0.89
Maximum:				6,353.00	1,831.00	-101.00	0.00	65.00	22.22	27.35	-0.21	0.21	0.93
MMD				1,373.00	154.00	116.00	0.00	41.00	6.21	7.42	0.02	0.05	0.04
Mean:				5,927.65	1,740.00	-171.53	0.00	46.24	17.72	22.09	-0.22	0.18	0.91
Standard Deviation:				519.05924	56.14379	44.34681	0	12.57244	1.830028	2.234262	0.005286	0.016179144	0.01088037
16	2016/8/17	MT-32-PC-MM-custom		6302	1699	-207	0	24	16.88	20.61	-0.22	0.19	0.91
17	2016/8/17	MT-32-PC-MM-custom		6100	1716	-191	0	55	18.37	22.93	-0.22	0.17	0.9
18	2016/8/17	MT-32-PC-MM-custom		6229	1691	-213	0	54	18.71	23.13	-0.22	0.2	0.92
19	2016/8/17	MT-32-PC-MM-custom		6190	1762	-146	0	49	16.01	20.1	-0.21	0.17	0.92
20	2016/8/17	MT-32-PC-MM-custom		6232	1716	-197	0	57	17.71	22.51	-0.22	0.2	0.89
21	2016/8/17	MT-32-PC-MM-custom		5107	1830	-101	0	35	16.7	21.16	-0.22	0.16	0.91
22	2016/8/17	MT-32-PC-MM-custom		6353	1677	-215	0	50	16.41	20.52	-0.22	0.16	0.9
23	2016/8/17	MT-32-PC-MM-custom		5064	1815	-112	0	33	18.26	22.76	-0.21	0.19	0.93
24	2016/8/17	MT-32-PC-MM-custom		4985	1831	-101	0	60	22.22	27.35	-0.22	0.21	0.92
25	2016/8/17	MT-32-PC-MM-custom		6096	1708	-199	0	32	16.33	20.71	-0.22	0.17	0.91
26	2016/8/17	MT-32-PC-MM-custom		6000	1770	-146	0	29	18.61	22.91	-0.21	0.19	0.91
27	2016/8/17	MT-32-PC-MM-custom		6272	1683	-217	0	42	16.45	20.08	-0.21	0.18	0.91
28	2016/8/17	MT-32-PC-MM-custom		6187	1723	-186	0	40	16.05	19.93	-0.22	0.19	0.91
29	2016/8/17	MT-32-PC-MM-custom		6280	1765	-158	0	49	16.25	20.13	-0.23	0.17	0.89
30	2016/8/17	MT-32-PC-MM-custom		6279	1693	-208	0	65	21.4	26.54	-0.22	0.21	0.91
31	2016/8/17	MT-32-PC-MM-custom		4980	1822	-105	0	47	16.35	20.4	-0.22	0.17	0.9
32	2016/8/17	MT-32-PC-MM-custom		6114	1679	-214	0	65	18.46	23.68	-0.22	0.19	0.92

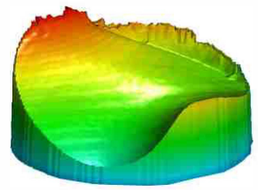
Bare Ferrule Measurement

BINNA-MTS is not only able to measure the geometry parameters of the connectors, but also can measure the geometry parameters of the bare ferrules.



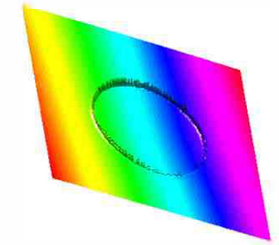
Cleave Angle Measurement

BINNA-MTS is able to measure the cleaving angle of bare fiber.



Flat Polish Measurement

BINNA-MTS is able to measure ROC(radius of curvature),Fiber Height and Angle of flat polishing connector.



Specification

Item	Range	Repeatability*	Reproducibility*
X/Y ROC(mm)	3~∞	0.3%	0.5%
X/Y Angle(°)	0 or 8	±0.01	±0.02
Flatness Deviation	0~200nm	±0.01	±0.02
Fiber Height(um)	0~8	±0.015	±0.025
Test Speed (s)	MT-RJ Test: 2s		
	12 core MT connector: 8s		
Auto Focus Speed (s)	2s		

*Sigma Values: Repeatability values are calculated from 50 continuous measurements without insertion and rotation of the connector between measurements.
Reproducibility values are calculated from 50 continuous measurement with insert and pull from fixtures between measurments.

FUTURE Automatic 5D Interfetometer

Features :

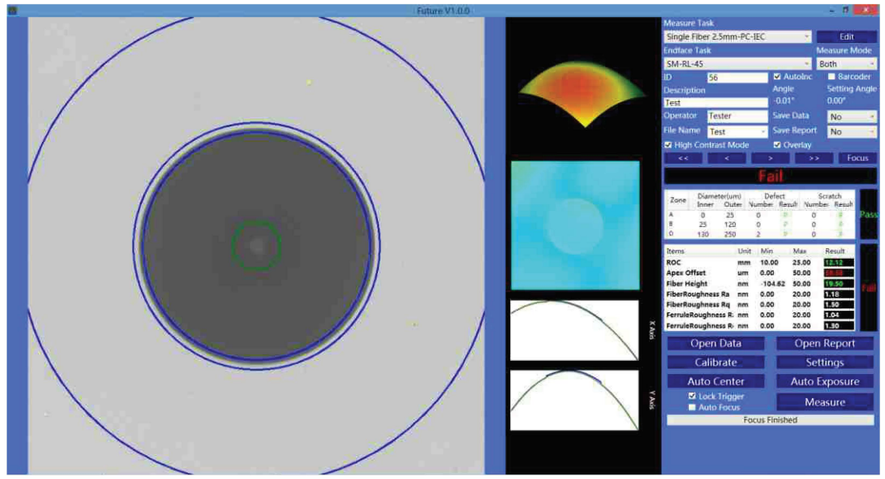
- Fiber End-face Visual Inspection and 3D profile
- 1.5 second for whole measurement
- Convenient testing, lock the fixture to trigger the testing
- 0~12°APC angle configurable
- Auto Focus and Auto Calibration
- Self-adapted locking strength by fixture design
- Quick Interferometer Testing, less than 0.5 second
- Front panel LED for Clear testing result indication
- Multi language user interface
- Auto reporting in Excel format

ORDER CODE **FUTURE**

FUTURE is the brand new Automatic Fiber End-face Interferometer developed by Dimension Technology, based on our know-how and experience on the fiber inspection instrument.
FUTURE provides the comprehensive fiber end-face measurement functions, including 3D profile, auto focusing, auto calibration, auto APC angle tuning and auto end-face judgment. All testing and reporting can be finished in 1.5 second.
New engineering on the structure design guarantees the anti-shocking capability and ultra long life of the fixture. FUTURE is the best choice in the market.

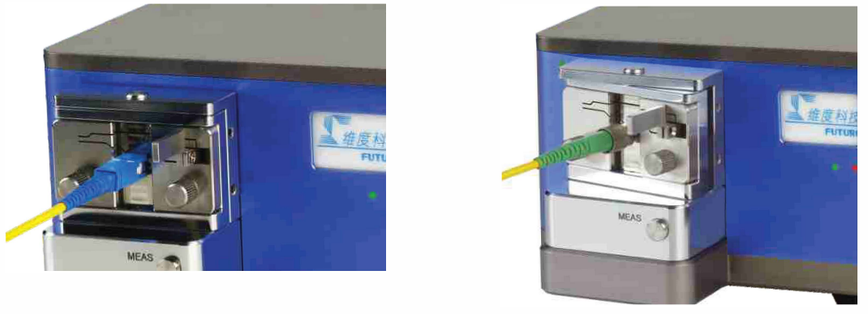
Synchronize 3D Profile Measurement and Visual Inspection

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.



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.



PC → APC

Self-adapted Locking Strength

Adopting self-adapting fixture structure, automatically fit the locking strength to ferrule, make sure each time the same locking strength to reduce fixture wearing and prolong the fixture life time.

Auto Focusing

With fast auto-focus speed, better accuracy and flexibility, Future can automatically find the interference fringe and generate accurate measurement result once clicking measurement button.
In order to fit the users' habit, Future adds manual focus button to fine adjust and rough adjust, which makes the operation more humanized and convenient.

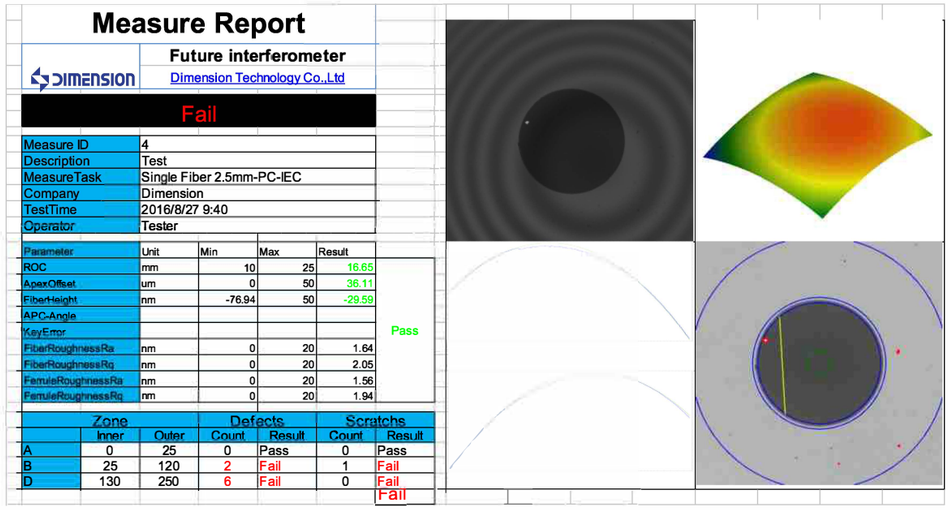
Auto Calibration

With auto calibration functions, the software and hardware of Future can compensate the calibration result automaticall y, no need to adjust the hardware.

Fast Testing

Future improves the measurment speed greatly, it makes each measurement only 0.5S.

Auto Reporting



Measure Report

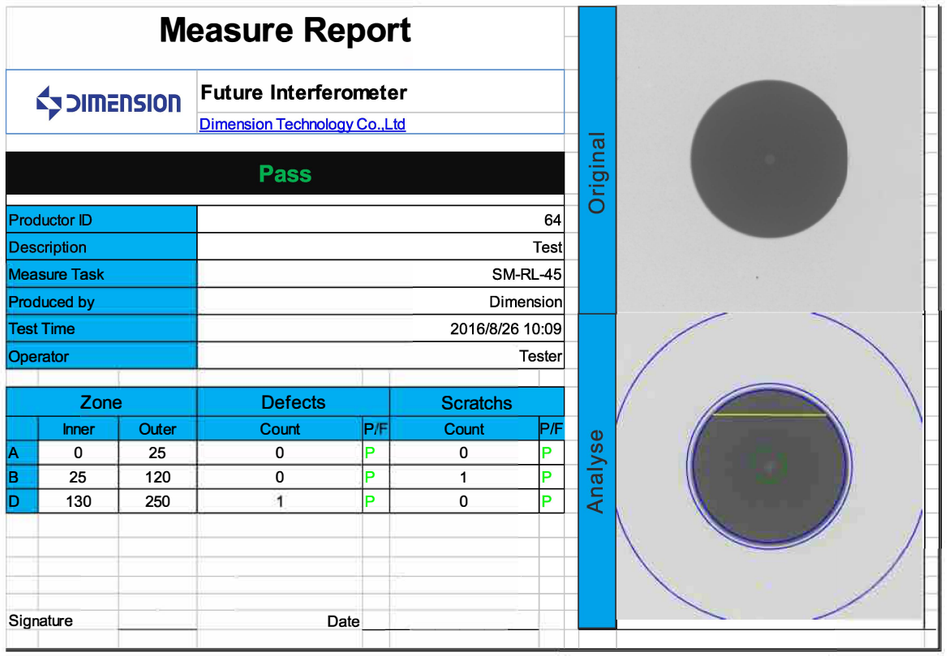
DIMENSION — Future interferometer — Dimension Technology Co.,Ltd

Fail

Measure ID	4
Description	Test
MeasureTask	Single Fiber 2.5mm-PC-IEC
Company	Dimension
TestTime	2016/8/27 9:40
Operator	Tester

Parameter	Unit	Min	Max	Result	
ROC	mm	10	25	16.65	
ApexOffset	um	0	50	36.11	
FiberHeight	nm	-76.94	50	-29.59	
APC-Angle					
KeyError					Pass
FiberRoughnessRa	nm	0	20	1.64	
FiberRoughnessRq	nm	0	20	2.05	
FerruleRoughnessRa	nm	0	20	1.56	
FerruleRoughnessRq	nm	0	20	1.94	

	Zone		Defects		Scratchs		
	Inner	Outer	Count	Result	Count	Result	
A	0	25	0	Pass	0	Pass	
B	25	120	2	Fail	1	Fail	
D	130	250	6	Fail	0	Fail	Fail



Measure Report

DIMENSION — Future Interferometer — Dimension Technology Co.,Ltd

Pass

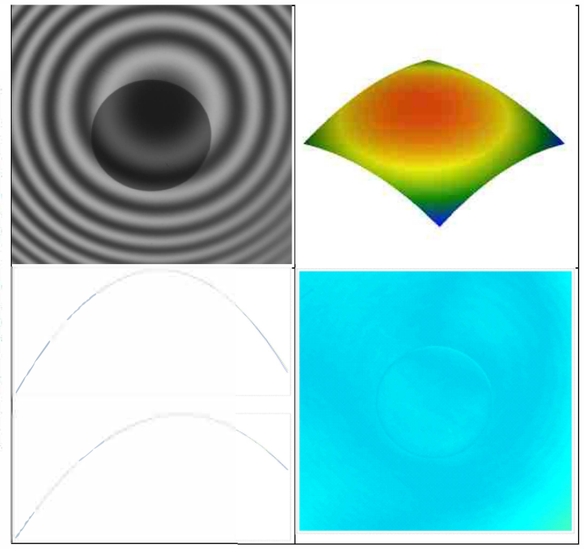
Productor ID	64
Description	Test
Measure Task	SM-RL-45
Produced by	Dimension
Test Time	2016/8/26 10:09
Operator	Tester

	Zone		Defects		Scratchs	
	Inner	Outer	Count	P/F	Count	P/F
A	0	25	0	P	0	P
B	25	120	0	P	1	P
D	130	250	1	P	0	P

Signature _____ Date _____

Original

Analyse



Measure Report

DIMENSION — Future Interferometer — Dimension Technology Co.,Ltd

Pass

Measure ID	2
Description	Test
MeasureTask	Single Fiber 2.5mm-PC-IEC
Company	Dimension
TestTime	2016-08-29 13:19:30
Operator	Tester

Parameter	Unit	Min	Max	Result
ROC	mm	10	25	13.91
ApexOffset	um	0	50	31.46
FiberHeight	nm	-91.48	50	-6.4
Angle				
KeyError				
FiberRoughnessRa	nm	0	20	0.63
FiberRoughnessRq	nm	0	20	0.79
FerruleRoughnessRa	nm	0	20	0.8
FerruleRoughnessRq	nm	0	20	0.97

Sign _____

Specification

Item	Range	Repeatability*	Reproducibility*
ROC(mm)	3~∞	±0.1%	±0.2%
Apex Offset(um)	0~250	±0.5	±1.5
Fiber Height(nm)	-160~160	±1	±2
APC Angle (°)	0~12	±0.01	±0.015
Magnification	20X		
Test Speed	0.5s(Exclude Auto Focus)		
Size	283mm * 150mm * 108mm (L*W*H)		
Power Supply	DC 24V		
Data Link	USB 3.0		

Repeatability values are calculated from 50 continuous measurements without insertion and rotation of the conector between measurements.
Stability values are calculated from 50 times continuous measurements with insert and pull from fixtures between measurements.

SANA2 Fiber End-face Interferometer

Test by Telcordia.

Features :

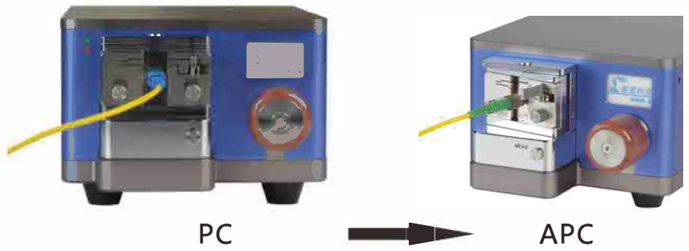
- Quick, Accurate, Excellent Repeatability and Reproducibility
- High Cost-Performance-Ratio
- Auto Image Centering
- Universal Fixture Design for Various
- Connectors, Easy to Switch
- Quick and Convenient Calibration
- User-Friendly Multi Language Interface
- Auto Reporting with Data and 3D Profile

ORDER CODE **SANA2**

SANA2 is the brand new Manual Focus Fiber End-face Interferometer, inheriting Dimension Technology's know-how and experiences on Interferometer design. Based on classic SANA series, SANA2 is the first model to integrate auto APC angle tuning, auto measurement and auto reporting functions. The new software design significantly improves the accuracy. The whole testing can be completed in 0.5 second. The brand new structure design ensures the anti-shock capability, as well as the ultra long fixture life time and testing stability.

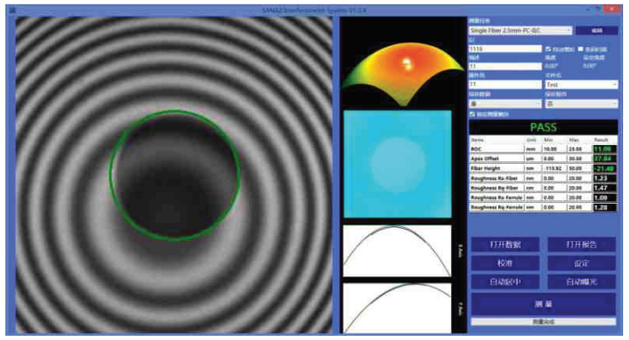
0~12° APC Angle Auto Tuning

Benefit with the unique fixture design, SANA2 can tune the APC angle precisely from 0°to 12°automatically, meeting any special requirement on APC angle setting.



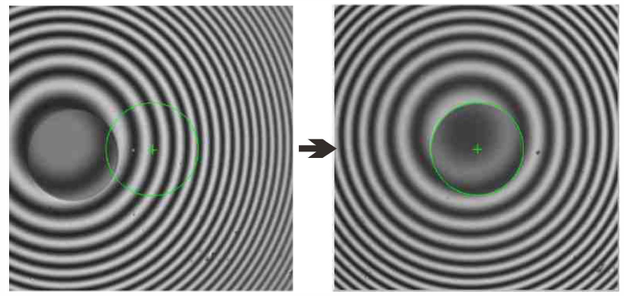
Automatic Measurement

SANA2 is equipped with the locking handle sensing unit to monitor the device locking status. To further simplify the testing process, the instrument can start the measurement once the device to be tested is fully locked. Operator can also click the button aside the locking handle to trigger the measurement.



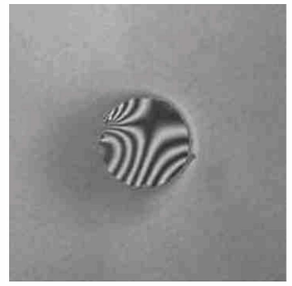
Auto Centering Images

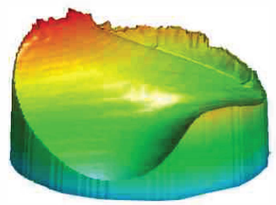
SANA 2 has auto centering image function that can find the fiber and makes it to center automatically within one click. No mouse drag or hardware adjustment is needed.



Cleave Angle Measurement

SANA 2 is able to test cleave angle and many other products.





Specification

Item	Range	Repeatability*	Reproducibility*
ROC (mm)	3～Flat	±0.1%	±0.2%
Fiber Height (Um)	0～250	±0.5	±1.5
Apex Offset (nm)	-160～160	±1	±2
APC Angle (°)	0～12	±0.01	±0.015
Test Speed	0.5s		
Power Supply	DC24V		
Size	283mm*150mm*108mm(L*M*H)		

Repeatability values are calculated from 50 continuous measurements without insertion and rotation of the conector between measurements.
Stability values are calculated from 50 times continuous measurements with insert and pull from fixtures between measurements.

SANA MINI Fiber End-face Interferometer

Test by Telcordia

Features:

- Small Size and Light Weight.
- Easy to Portable.
- Only One USB needed, No Additional Power Supply.
- Auto Centering Image.
- Universal Fixture Design, Easy to Change.
- Very Easy PC & APC Changing.
- Elegant Design.
- Dual Language Interface.
- Auto Generate Data and Report, Easy to Manage and Print.

ORDER CODE **SANA MINI**

SANA MINI is a portable, non contact fiber endface interferometer developed by Dimension Technology for single fiber connector. Despite its incredible size, it can test geometry parameters of single fiber connector as well as bare fiber and bare ferrules. The performance of SANA MINI is as good as SANA. SANA MINI is the pioneer of portable interferometer and suitable for field usage and other situation that is very sensitive to the size of the interferometer.

Extremely Portable and Light Weight

Small Size: 12*5*8.9(cm)
Light Weight: Only 1kg
Compact design
USB Data Link and Power Supply

Powerful Testing Function

SANA MINI offers two type fixtures (2.5mm universal & 1.25mm universal) for testing most kinds of connectors.

2.5mm universal fixture is used to measure FC/PC, SC/PC, ST/PC, E2000/PC, DIN, FC/APC, SC/APC type connectors. 1.25mm universal is used to measure LC/PC, MU/PC, LC/APC type connectors.

You only need press the fixture to transfer between APC and PC connector, no fixture change and calibration needed. The software has most recent IEC standard that makes measurement more accurate.

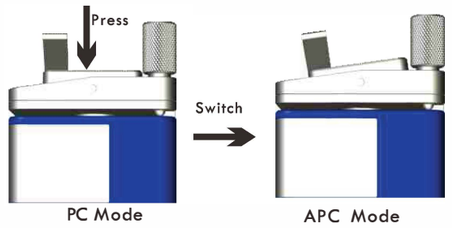
SANA Interferometer in Small Size

SANA MINI has the same testing functions as SANA in very small size due to its advanced design.

- Auto Centering Image Function: SANA MINI also has auto centering image functions.
- Simple Calibration: SANA MINI has the same calibration process as SANA. There is no need to adjust the hardware in most conditions.
- Various Product Measurement: SANA MINI is also able to test bare ferrule, cleave angle and flat polishing surface.

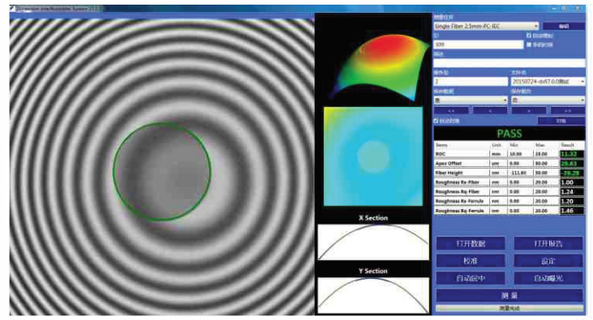
Easy to Operate

The focus handle and product is at the same side and very easy to operate. SANA MINI has the same interface as SANA. No need to change operation habit.
SANA MINI needs only a press to change between PC & APC measurement.



Stable Data Link

SANA MINI has locked USB cable and ensures stable data link.



Specification

Item	Range	Repeatability*	Reproducibility*
ROC(mm)	3~∞	±0.1%	±0.2%
Fiber Height(nm)	-160 ~ +160	±1	±2
Apex Offset(um)	0~200	±0.5	±1.5
APC Angle(°)	0 or 8	±0.02	±0.03
Power Supply	USB Only		
Weight	1kg(Main Frame)		
Size	L12*W5*H8.9(cm)		

*Sigma Values: Repeatability values are calculated from 50 continuous measurements without insertion and rotation of the connector between measurements.
Reproducibility values are calculated from 50 continuous measurement with insert and pull from fixtures between measurments.

CORE Tuner S Fiber Connector Core Tuner

Features:

- High accuracy
- High repeatability
- Auto Exposure
- Auto focus
- Durability
- Vibration resistance
- Can test APC connector
- Auto mark KEY

Easy to use

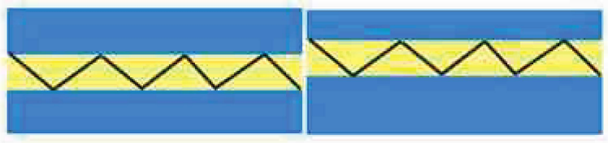
ORDER CODE

Auto Core Tuner　　Manual Core Tuner

Core Tuner is fiber optic connector concentricity testing and adjusting equipment developed by Dimension Technology based on many years of experience in instrument development.We developed two types of equipment— Core Tuner S (automatic) and Core Tuner (manual) to meet different requirements from customers. The instruments define new standards of concentricity machines. Superior image processing capabilities gives Core Tuner excellent performance---high numerical accuracy, repeatability. The systems are automatic, intelligent, easy to use with strong vibration resistance and durability.

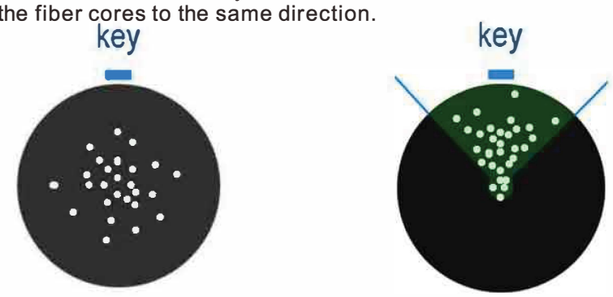
Function Introduction

Fiber connector has loss in data-link due to many causes, such as horizontal mismatch, vertical mismatch and axial mismatch.The main cause of insert loss is horizontal mismatch. The mismatch between two fiber cores will cause large insert loss .

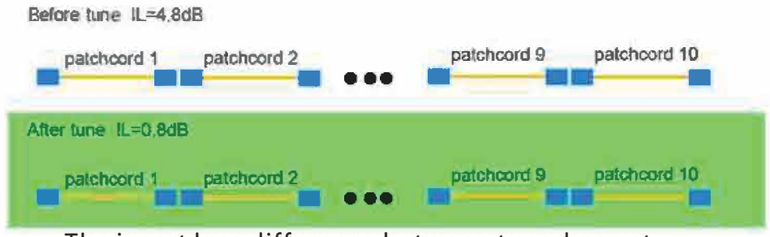


Large mismatch cases large insert loss

It is obvious to lower horizontal mismatch to decrease insert loss.
There are two ways to lower horizontal mismatch:
1.Use fiber connectors with lower concentricity.
2.Tune the direction of the fiber cores to the same direction.



Before tune　　After tune

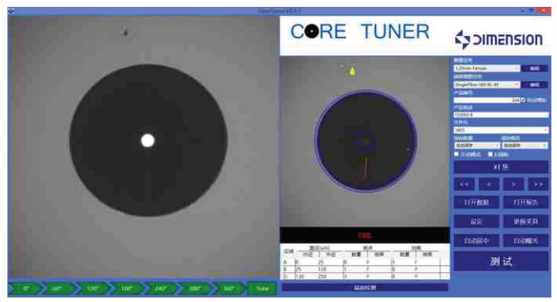


The insert loss difference between tuned or not

Powerful Testing Function

Core Tuner not only can measure the optical fiber connector after assembly concentricity, can also test of optical fiber connector assembly concentricity, and adjust the fiber Core of deviation Angle, labeled assembly position, so as to reduce the wastage of the optical fiber connector, the connector of the overall quality improved greatly.
Core Tuner tuning right at the same time can also detect naked insert Core concentricity, as well as the single Core insert Core, connectors, face detection.

Bear Ferrule Measurement

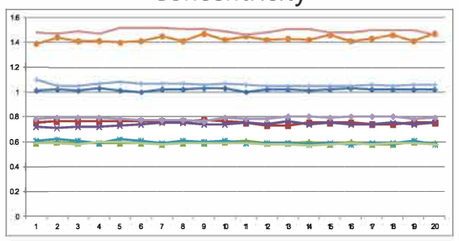


Endface test

High Accuracy,High Repeatability

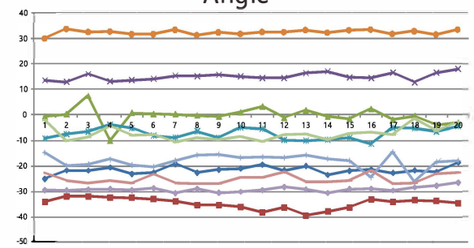
Here are 10 PCS tested pieces of charts and data, using 100000 times fixture repeat test after aging 20 times of the test data.

Concentricity



	1	2	3	4	5	6	7	8	9	10
Average	1.018	0.752	0.5915	0.739	0.598	1.4285	1.0615	1.493	0.5865	0.7855
Range	0.03	0.04	0.03	0.05	0.04	0.08	0.05	0.06	0.03	0.04
Stdev	0.009	0.010	0.008	0.013	0.013	0.024	0.013	0.019	0.007	0.012

Angle



Average	-21.605	-34.625	-0.365	14.975	-7.295	32.445	-18.12	-25.105	0.5865	-25.14
Range	6.4	7.6	17.6	5.3	7.4	3.6	11.7	5.3	9.1	4.2
Stdev	1.495	2.088	3.245	1.424	2.124	0.877	2.901	1.784	2.575	0.967

Easy to use

Core Tuner is equipped with the function of automatic focus, simply click on the software interface button, you can get a clear picture of insert Core.In order to meet the user's habits, but also increase the manual focus button, coarse and fine tune the focal length can be performed.
The Core Tuner also equipped with automatic exposure, center, and other functions, make the equipment operation more easy and convenient.

Auto Mark KEY

Core Tuner S at 2.5 mm / 1.25 mm Ferrule measurement mode, the single test task is completed, the hardware automatic adjust the Angle of Bearing to the required range, at the same time the software Interface indicates KEY position, convenient for the subsequent assembly work.

Can Test APC Connector

Core Tuner not only can detect PC connectors, but also can detect APC connectors without replacing fixture.

Specifications

Model	Core Tuner	Core Tuner S
Rotation	Manual	Auto
Test speed (s)	8S	4S
Concentricity Repeatability	±0.1um	±0.08um
Bearing angle Repeatability	±10°	±5°
Focus	Auto	
Image Brightness	Auto	
Applications	PC & APC 1.25mm ferrule & connector	
	PC & APC 2.5mm ferrule & connector	
Power Supply	DC 24V	
Size	270mm(L) * 150mm(W) * 112(H)	

FERRULE MASTER LC/SC Concentricity Tester

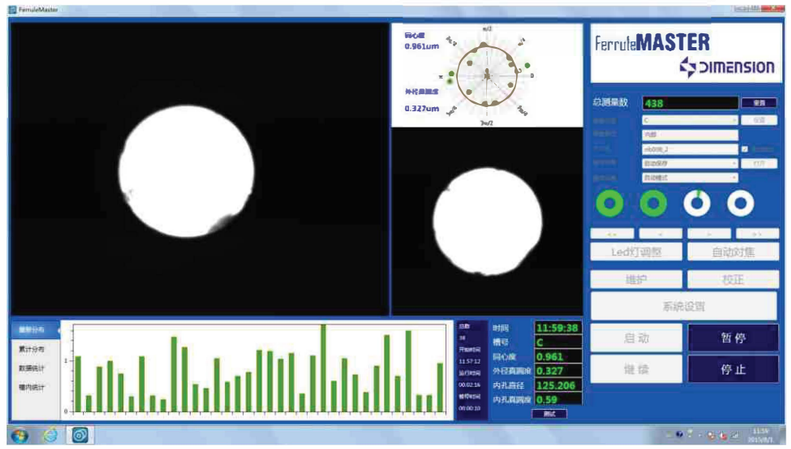
- Powerful detection function
- Accurate and high repeatablility
- High efficient
- Intelligent
- Prefect data analysis capability
- Automated and easy to operate
- Durable
- High resistance of vibration

ORDER CODE **FERRULE MASTER**

Ferrule Master is designed by Dimension Co. Ltd based on experience in development of precision instruments for many years and industry characteristics.
Ferrule Master could feed, focus, measure and classify automatically. It could test over 1000 PCS ferrules in one hour, no laborer required.
Ferrule Master has the high performance and accuracy and high repeatablility with the superior image processing. It is intelligent and easy to operate and maintain.
Clear user interface, easy to operate, stable performance and powerful analysis capability make the Ferrule Master is the best instrument in material inspection and mass production.

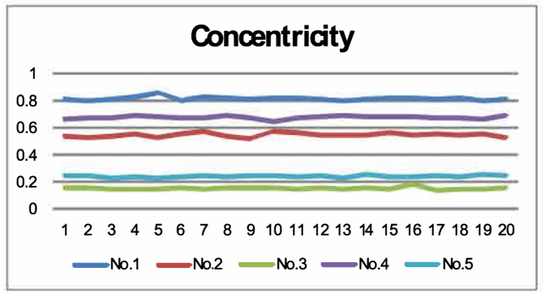
High performance

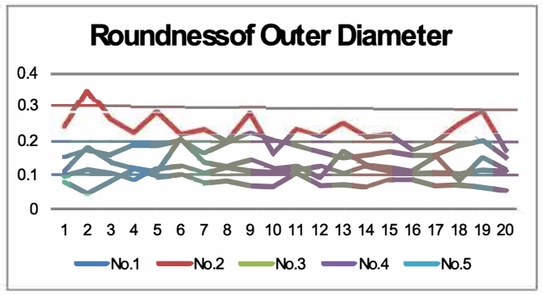
Ferrule Master could measure ferrules' concentricity, roundness of outer diameter, inner diameter, roundness of inner diameter and do the classification in one procedure with the efficient algorithm developed by Dimension Co. Ltd .

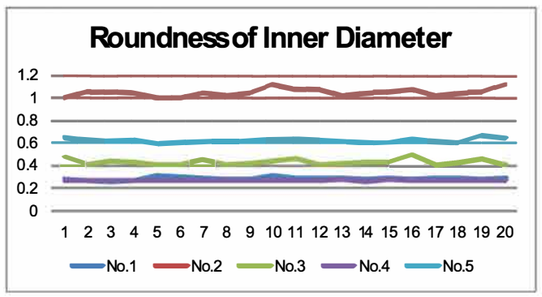


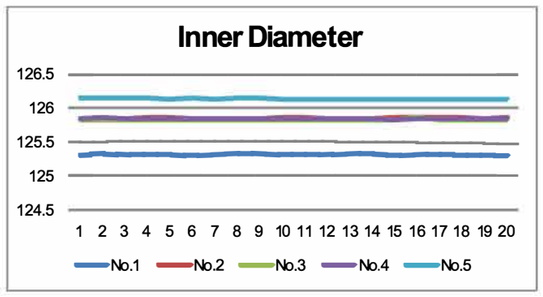
Accurate and high repeatability

The following charts and data are the test results of 5 PCS 2.5MM ferrules from the Ferrule Master .
UNIT：um.









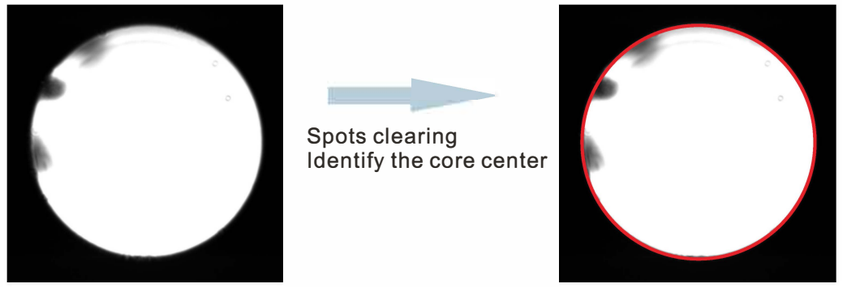
	Concentricity			Roundness of Outer Diameter			Inner Diameter			Roundness of Inner Diameter		
	Avg	Range	Stdev	Avg	Range	Stdev	Avg	Range	Stdev	Avg	Range	Stdev
No.1	0.814	0.057	0.012	0.132	0.120	0.030	125.315	0.050	0.011	0.286	0.048	0.012
No.2	0.548	0.053	0.015	0.234	0.185	0.045	125.857	0.024	0.007	1.049	0.122	0.034
No.3	0.152	0.044	0.009	0.112	0.043	0.010	125.827	0.042	0.009	0.433	0.087	0.024
No.4	0.679	0.044	0.011	0.178	0.071	0.021	125.848	0.020	0.005	0.270	0.012	0.003
No.5	0.243	0.028	0.007	0.078	0.073	0.017	126.140	0.024	0.007	0.620	0.081	0.019

High efficiency

Ferrule Master is the fully antomated instrument with the excellent UI and very easy to operate.It could check and classify over 1000 PCS one hour.

Intelligent

Ferrule Master could work well even if there are dirty spots on the ferrules.



Automated

Ferrule Master could feed,measure,check and classify automatically.It could test 1000 PCS ferrules in one hour,no laborer required.

Stable

Ferrule Master could get stable results even in the vibration of the environment with the locked-in usb cable and excellent internal mechanical design.

Specifications

Type	Ferrule Master
Measure Time	3.5S
Repeatability of Concentricity	±0.04um
Repeatability of O.R	±0.04um
Repeatability of I.D	±0.04um
Repeatability of I.R	±0.04um
Focus	Automatic
Applications	2.5mm ferrule 1.25mm ferrule
Power supply	DC 24V
Volume	42cm * 30cm * 40cm (L*W*H)

FERRULE FACE Ferrule End-face Auto Inspector

Features :

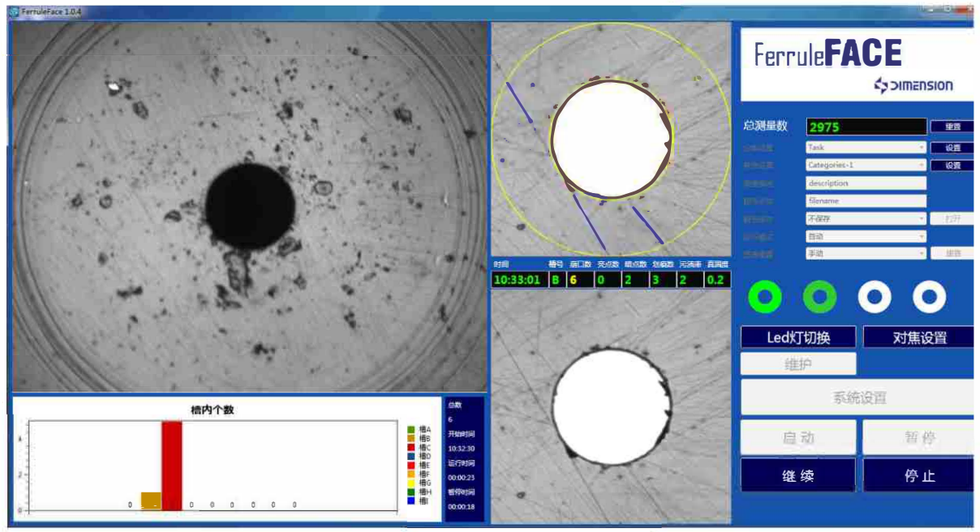
- Fully Inspection for Ferrule End-face
- Efficient Ferrule Testing
- Ferrule End-face Visual Inspection
- Comprehensive Data Analysis
- Automatic classify
- Robust and Endurable
- Excellent Anti-vibration Capability
- Quick Measurement

ORDER CODE **FERRULE FACE**

FERRULE FACE supports fully automatic and high efficient Ferrule end-face inspection. With the help of auto feeding, auto inspection and auto classifying functions, FERRULE FACE can easily test more than 3000 pieces of ferrule per hour, minimal human intervention is needed. FERRULE FACE is a must-have instrument for ferrule manufacturer; it's the guarantee for high quality and efficiency.

Comprehensive Testing Capability

The intelligent ferrule end-face analysis program can identify any physical defects on ferrule end-face like edge, scratch and blocking. The testing result is highly accurate and repeatable.



High efficiency

Ferrule Face is the fully antomated instrument with the excellent UI and very easy to operate.It could check and classify over 3000 PCS one hour.

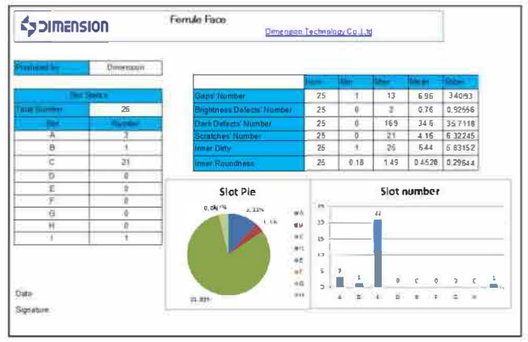
Automated

Ferrule Face could feed,measure,check and classify automatically.

Stable

Ferrule Face could get stable results even in the vibration of the environment with the Locked-in usb cable and excellent internal mechanical design.

Accurate and high repeatability



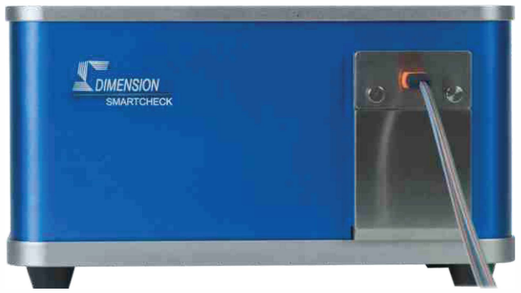
Categories	Task								
ExceptionLine	I								
Slot	A	B	C	D	E	F	G	H	I
Gap Grade	G	P	F	G	G	P	P	N	N
Brightness Defects Grade	N	N	N	P	P	P	N	N	N
Dark Defects Grade	N	N	N	P	N	P	N	N	N
Scratches Grade	N	N	N	P	P	N	N	N	N
Inner Dirty Grade	N	N	N	N	N	N	N	N	N
Inner Roundness Grade	N	N	N	N	N	N	N	N	N
Lastest Start Time	24/08/2016 10:35:56								
Lastest End Time	24/08/2016 10:36:38								

Grade Standard	Categories-1			
	excellent		qualified	
	Range	Number	Range	Number
Gap Standard	[3,15)	30	[15,25)	5
Brightness Defects standard	[3,10)	5	[10,30)	2
Dark Defects standard	[5,10)	10	[10,30)	10
Scratches standard	[3,5)	2	[3,10)	6
Inner Dirty standard	[0,10)		[0,15)	
Inner Roundness standard	[0,0.6)		[0,1)	

Specifications

Type	Ferrule Face
Measure Time	0.8s
Focus	Automatic
Applications	2.5mm ferrule 1.25mm ferrule
Power supply	DC 24V
Volume	42cm 30cm 40cm

SMARTCHECK Intelligent fiber End-face Visual Inspector



ORDER CODE **SMARTCHECK**

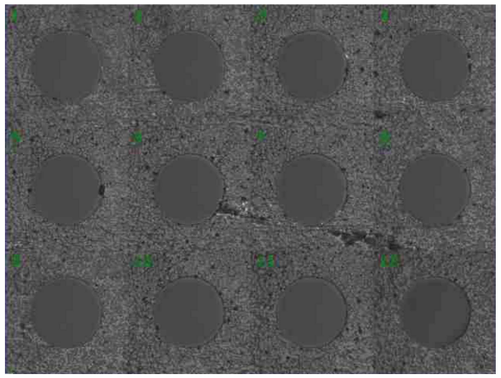
Features :

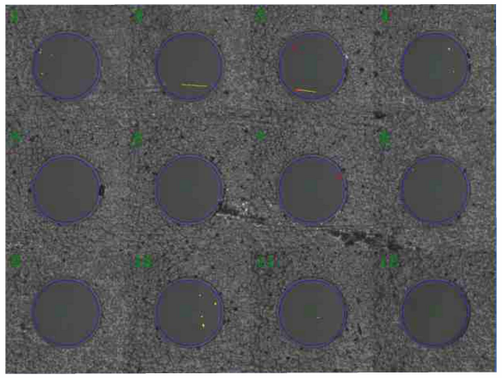
- Auto Analysis
- Auto Focus
- Auto Change Fiber
- One Click Measurement
- Ultimate Test Speed:5s needed for 12 Core MT Connector
- Fixtures for Most Types of Connectors
- Easy to Chang between PC & APC,No
- Additional Fixture Needed
- Dual Language Interface
- High Quality Images

SmartCheck is the first intelligent endface inspector developed by Dimension Technology. It has many automatic intelligent functions such as auto analyze, auto focus and auto change fiber functions. The automatic function and excellent image quality makes inspection smart and efficient.

Auto Analysis

SmartCheck can find the slightest defects and scratches on the endfaces due to its advanced software algorithms. It can judge the endfaces by software without human interference and eliminated human factors. Only less than 5 second needed for analyzing a 12 core fiber endface, which is much faster than operators and increase the efficiency and accuracy.





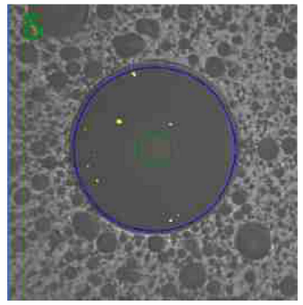
Analyze

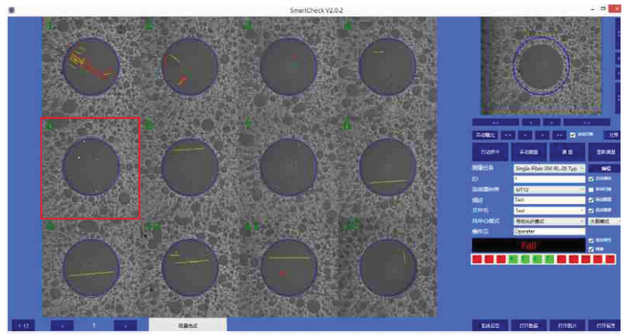
Ultimate Speed

SmartCheck has well designed optical system and automatic platforms. It provides clear image and automatic functions. SmartCheck needs only 5s to test 12 core multifiber connectors.

One Click Measurement

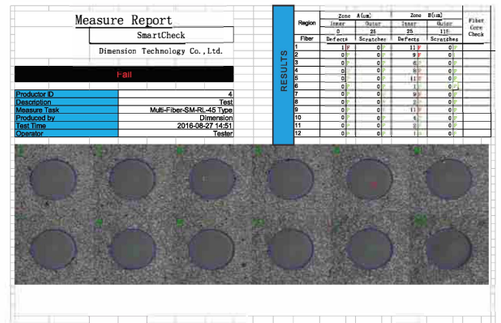
The operator only needs clicking once to test 72 core connector within 1 minute due to well designed software and hardware.





Auto Generate Data and Report

SmartCheck can generate data and report in each measurement.The reports are generated in EXCEL format containing detail of tests which can improve quality and management and make every endface traceable.



Customizable Standards

SmartCheck has set many standard of endfaces in defaults.The engineer can also customize the standard to fulfill the demands of the customers.You can set the range of the zone,quantity,length and width of the scratches,quantity and size of defects easily.So the workers no more need training about the endface. SmartCheck will increase the efficiency a lot.

Specifications

Item	Parameters
Magnification	20X
Resolution	0.27um
Test Connectors	Single Fiber Connector, MTRJ, MPO, MTP (1-72 core)
Test Speed	5s (12core MT connector, exclude auto focus)
Scan Range	6mm*15mm
Data Link	USB2.0
Power Supply	24V
Size	L26.5*W18.8*H14.7 cm

AUTOCHECK Intelligent Integrated Fiber End-face Visual Inspector

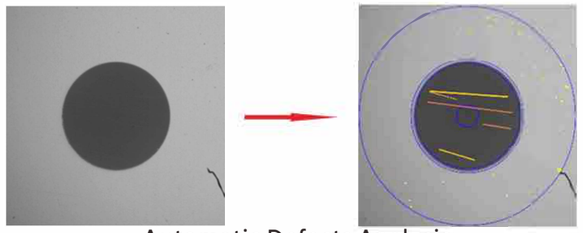
Features：

- Automatic Analysis
- Android Embedded System
- Build-in IEC criteria
- Automatic Reporting in Multi formats
- Data Statistic
- Multi Hardware Interfaces
- WIFI and Ethernet Accessible

ORDER CODE ： AUTOCHECK

AutoCheck is the first intelligent integrated fiber end-face inspector developed by Dimension Technology. With the advantages of Dimension image analysis software and high performance embedded system, AutoCheck can identify the tiny defects accurately, conveniently and simply. The fiber end-face inspection complies with IEC standard and customized criteria.

Automatic Defects Analysis



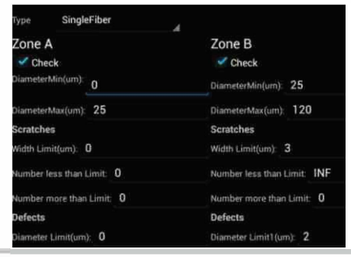
Automatic Defects Analysis

Android Embedded System

AutoCheck is a stand-alone Android embedded system. No extra parts are required to perform inspection and reporting. System monitoring and upgrading are convenient and simple.

Pre-set IEC Criteria for inspection

AutoCheck uses customized criteria for fiber end-face inspection. The latest IEC standard is configured as the default criteria. The fiber end-face inspection is simplified to select criteria then click the Measure button. The testing accuracy, reliability and repeatability are guaranteed.

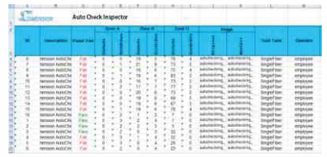


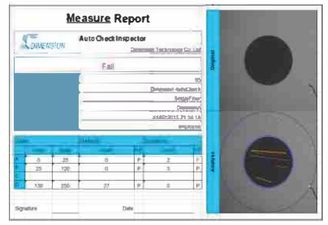
Multi accesses to testing result

The testing reports will be saved on SD card or server through WIFI or Ethernet. It's convenient to document the testing results for reference in the future.

Automatic Reporting

AutoCheck stores the testing report to SD card after each inspection. The comprehensive testing report helps manage and review the testing results.





Intelligent Inspection

AutoCheck can be configured to start the inspection automatically. After the position of fiber end-face locked, AutoCheck will focus and center the image automatically, then start the measurement.

Models

Based on 200x or 400x magnification, adjustable or fixed sight and suitable products, AutoCheck is offered in different models, shown in the bellowing table.

Model	Ac200	Ac400
Magnification	200X	400X
XY Adjustable	O	O
Video Output Mode	Digital	
CCD Resolution	2M pixels	
Focusing	Manual	
Image Analysis	Auto	
Power Consumption	3W	
Operational Temperature	0℃ ~ +50℃	
Storage Temperature	-10℃ ~ +55℃	
Interface	2*USB、1*PS/2、1*SD、1*Ethernet	
Display	8" TFT 800*600 PIX	
Power Supply	DC 12V	
Size	270mm*245mm*155mm	
Weight	1.6kg	

FASTCHECK Intelligent Integrated Endface Inspector

Features :

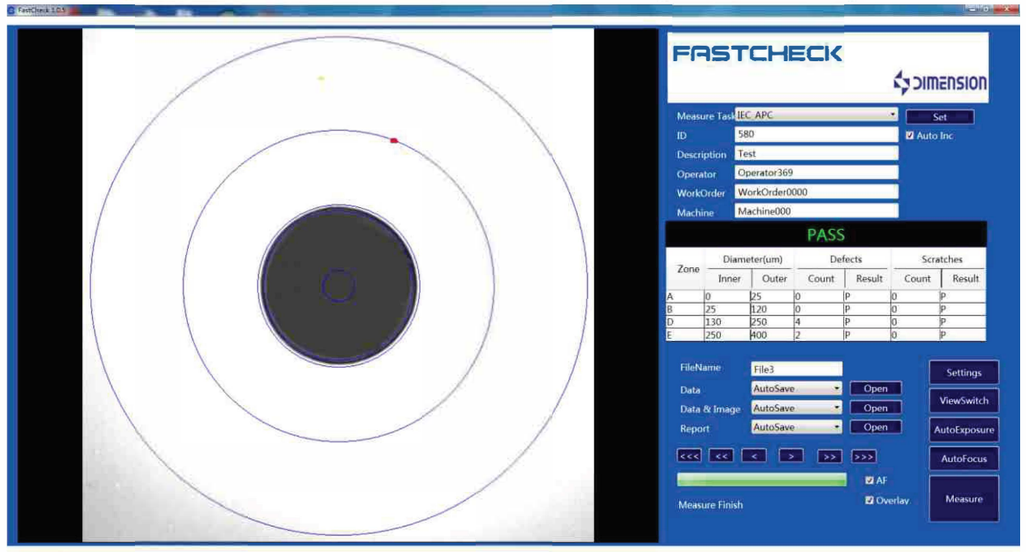
- Auto Inspection systems
- Small volume design
- auto focus
- automatic exposure
- Can be used with cleaning machine
- Auto generate report
- Three color lamp indicating working status

ORDER CODE **FastCheck**

FastCheck is an intelligent face detector dimension new technology research and development, mainly for the components and modules for face detection; automatic centering, automatic focusing, automatic exposure function is introduced, which can automatically detect the FastGet assembly module.
FastCheck is also equipped with an extension of the IO interface, to be able to cooperate with the use of a variety of our company; and even to build a dedicated end face detection, cleaning system.

Automatic Defects Analysis

FastCheck with automatic center, automatic focus, automatic exposure and other functions, can automatically detect the end of the component and module.



Perfect IO interface

Check IO has an independent Fast interface, can achieve remote trigger measurement and transfer measurement results and other functions, to achieve linkage with other devices.

Capable for Automation Development

FastCheck equipped with side support, the Mark III Offsoon can be combined with the cleaning handle and face detector, the formation of end face detection equipment.

Auto Generate Data and Report

Measure Report

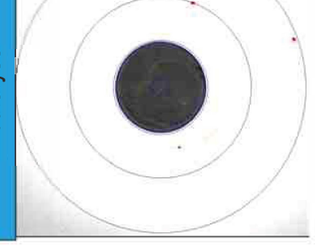
DIMENSION **FastCheck Inspector**
Dimension Technology Co.,Ltd

PASS

Productor ID	580
Description	Test
Measure Task	IEC_APC
Produced by	Dimension000
Test Time	29/08/2016 09:45:48
Operator	Operator369
WorkOrder	WorkOrder0000
Machine	Machine000

Zone			Defects		Scratchs	
	Inner	Outer	Count	P/F	Count	P/F
1	0	25	0	P	0	P
2	25	120	0	P	0	P
3	130	250	4	P	0	P
4	250	400	2	P	0	P
5						
6						

Original



Analyse

Specifications

Item	Specifications
Magnification	10X
Focus	Auto focus
Operating Temperature	-10℃~50℃
Storage Temperature	-40℃~70℃
Power Consumption	24V
Size	286*101*86MM
Weight	3.3Kg

EASYGET Portable Fiber End-face Visual Inspector

Features:

- Easy to Operate, High Image Quality.
- Small Size, Light Weight, Portable.
- Optional 200X, 400X Magnification.
- Series of tips for Types of Connectors.
- Rechargeable Battery Inside, 8hrs Working Time after Charge.
- Able to Connect to Desktop Monitors
- Better Data Connectors
- New Data Acquisition Card, Better Image Quality.

ORDER CODE **EASYGET**

Easyget is a portable type of fiber endface inspector developed by Dimension Technology. By magnifying 200~400 time of the objects, you can identity defects and scratches on the endface of connectors. It is your the best choice for endface inspection.
Easyget comes along with portable 3.5 inch high resolution LCD monitor, it can work over 8 hours after recharge. There are also all kinds of tips which make Easyget to meet different requirements on inspecting.

Stable and Durable Connection

Easyget uses aviation electrical plugs instead of USB connector compared to the previous version. The image of easyget will stay clean and stable even in the harsh environment.

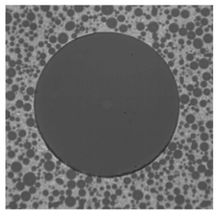
Durable Data Adaptor

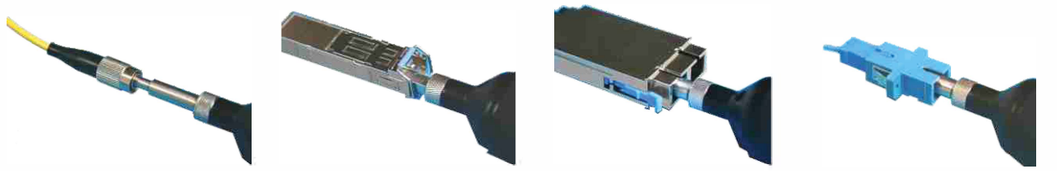
New Data Acquisition Card and Software

The new acquisition card is compatible for more operation system and has higher image quality. The image capture software has more functions such as auto brightness, auto analysis (optional). Easyget is able to connect to desktop monitor as well (optional conversion cable needed).

All Connector Inspection including MT

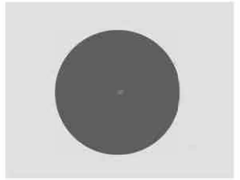
Easyget has equipped kinds of tips that is able to inspect connector, transceivers modules (SFP, QSFP) and optical components(TOSA, ROSA). We have designed new MT adaptors that is able to inspect MPO and MTP products such as MPO, MTP connectors in adaptors, 40G, 100G modules and so on. Easyget is suitable for maintaining high density data center of next generation.





Curved Easyget

Curved Easyget portable fiber endface inspector is applied for checking ADSL Modem products.



Specification&Resolution

Item	Parameters
Magnification	400X or 200X
Video Format	PAL
Monitor	3.5" TFT 220k pixel LCD
Power Consumption	3W
Operating Temperature	-10℃-+50℃
Storage Temperature	-20℃-+50℃
Power Supply	12V Rechargeable Battery or DC 12V
Life Time of Battery	>8h
Size	Monitor: 205mm*94mm*25mm Microscope: Φ23mm*160mm

Model	8" display 125um fiber core size	8" display Observation range	3.5" display 125um fiber core	3.5" display Observation range size	3.5" display Resolution
Easyget 200	Φ44 mm	340.9~454.5um	Φ20 mm	312.5~425um	2.5um
Easyget 400	Φ58 mm	258.6~344.8um	Φ26 mm	240~327um	1.5um

AUTOGET Portable Fiber End-face Visual Inspector/Auto Focus + Analyze

Features:

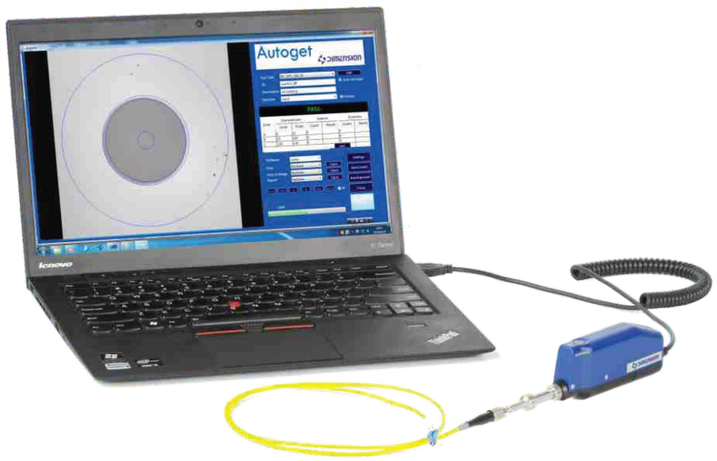
- Auto focus
- Auto exposure
- Auto analysis
- Auto generate report
- Auto transfer and save image
- Zoom in/out the image
- Wireless applications to output report/data
- Working hours > 6hrs
- Led indicator shows working states
- Small volume,light weight,easy to carry
- Full adaptors options

ORDER CODE **Autoget**

Autoget is an intelligent portable fiber enface inspector developed by Dimension Technology. It is equipped with newest hardware and software, and with functions of auto focus, auto exposure, auto analysis, auto generate report, auto image transmission, etc. 400X Autoget can detect the defects such dirts, scratches clearly by its software.

Outstanding software algorithm

Autoget have outstanding software algorithm,can auto analyze spot and scratch.



Led indicator shows working states

Full adaptors

Autoget full adaptors options can meet different test requirement.

1.25mm-APC	1.25mm-PC	2.5mm-APC	2.5mm-PC	E2000-APC-M	E2000-PC-F
					
E2000-PC-M	**FC-APC**	**FC-PC**	**MTP-PC**	**MTP-APC**	**SC-PC**
					

Specification

Item	Parameters
Magnification	400X
Resolution	1.0um
Focus	Automatic
System	7.5" MFP（Multi Function Platform）
	PC
	Smart Phone
Power	2W
Operation Temperature	-10℃ ~ +50℃
Storage Temperature	-40℃ ~ +70℃
Power Supply	USB
Size	182mm * 48mm * 25mm
Weight	152g

EASYCHECK Integrated Fiber End-face Visual Inspector

Features:

- Integrated Design
- Encircle Focus Ring
- Dust Proof Design
- Centered Fiber Core
- Image Capturing Function
- Image Output & Input Function
- Ergonomics Design

ORDER CODE **EASYCHECK**

Easycheck is an integrated endface inspector developed by Dimension Technology, it combines the microscope and monitors in one body. Due to its compact design, the instrument is easy to operate and saves the working space.
Equipped with high resolution sensor and monitor, the Easycheck can detect even slightest defects and scratches on endface. It improves testing speed and protect operator's eyesight in long term usage.

Integrated Design

Easycheck has a compact size due to its integrated design and saves working space, It is a great breakthrough compared with traditional endface inspector of separate structure and remove the annoying cables between monitor and microscope.

High Image Quality

With coaxial illumination optical magnify system, Easycheck can easily find the slight defects on fiber endface. High resolution image sensor and 8″ pure black-and-white digital TFT LCD can show the most truly details of fiber endface.

Unique Structure

Compared with the traditional fiber endface inspector, Easycheck has so many unique features, including the encircle focus design, dust-proof design, image centered design. These features make the inspection more convenient and faster, and greatly extend the working life of the device.

Image Output & Input and Capture Function

Easycheck provides video input and output functions to fulfil the various demand of customers. The Easycheck is able to connect to Easyget portable inspector and make it very easy to test various female types of connectors.
Easycheck also has image capture function, it can capture image of the endface and save it in SD card provided with Easycheck. The image capture function offers a great help in manufacturing and quality controlling.

Connect to Easyget

Image Storage Function

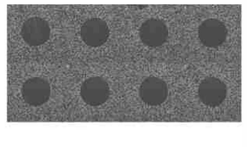
Designed for All Products Inspection

Eas d it is k all kind ctors(including
MPC anscei luding 40 dule) , TOSA &
ROS

MPO Connector Inspection

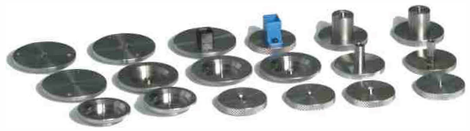
TOSA & ROSA Inspection

LC transceiver Inspection



40G & 100G Transceiver Module

Embedded Ceramic Sleeves



Series of Adaptors

Adjustable Sight for Multi-Fiber Products

Easycheck has models with adjustable sight designed for multi fiber connectors. The range of the adjustable sight is 4mm*4mm and able to cover 72 core MT ferrules and connectors. We have improved the adjustment handle to make the operator more comfortable.

Model Definition

ECXXX Y Z

- Z — Product Detection
- Y — Adjustable or Fixed Sight
- XXX — Magnification

Specifications

Easycheck has several models for different applications such as 80X, 200X, 400X magnifications, adjustable or fixed sight and adaptors for different products.

Model		EC080B	EC200B	EC400B	EC080K	EC200K	EC400K
Magnification		80X	200X	400X	80X	200X	400X
X , Y Axis Adjustable or Fixed Sight*		Fixed	Fixed	Fixed	Adjustable	Adjustable	Adjustable
CCD Resolution		1/3" 520 Line CCD					
CCD Mode		PAL					
Monitor		8" TFT 800*600 LCD					
Output		1*RCA , 1*SD card reader					
Input		1*RCA , 1*USB only for Easyget					
Product Detection	C	O	O	O	O	O	O
	Z	O	O	O	O	O	O
	M	O	O	X	O	O	X
Operating Temperature		0 ~ 50 ℃					
Storage Temperature		-10 ~ 55 ℃					
Power Supply		12V DC					
Size		270mm*245mm*155mm					
Weight		1.6kg					

*Adjustable Sight model is used for testing multi-fiber connectors such as MPO、MTRJ、MTP.

Product Detection Introduction

Product Detection	Introduction
C	C Type has adaptors for connectors and ferrules, you can also use it to test TOSA & ROSA (optional adaptors needed)
Z	Z Type has adaptors for optical components such as TOSA, ROSA, you can also use it to test connectors and ferrules (optional adaptors needed)
M	M Type has adaptors for optical components such as TOSA, ROSA and transceivers such as SFP, QSFP, you can also use it to test connectors and ferrules (optional adaptors needed)

FA-1 Fiber Array End-face Visual Inspector

ORDER CODE **FA-1**

Features:

- Easy to Operate
- High Image Quality
- Fixture with Angle Suitable fot 8 or 45 Degree
- Suitable for 4,8,16,32,64,72,128 Core Fiber Arrary
- 3D Platform,Long Life Term

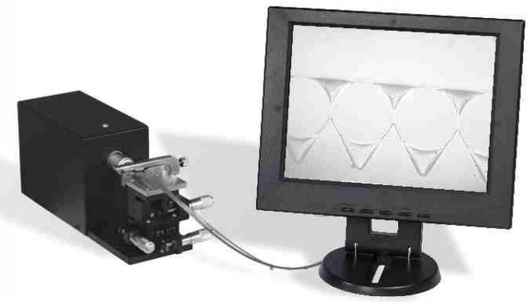
The FA-1 Fiber Array endface inspector is developed for Fiber Array endface inspection. FA-1 can detect spots such as dropping tank, collapse, scratch, stains and guarantees a high-quality coupling with PLC chips.

Patent-Protected Fixtures

New patent protected FA fixture makes it convenient to replace products. It promotes the efficiency of fiber array endface inspecting and PLC coupling greatly. FA-1 is a necessary device in fiber array manufacturing as well as PLC coupling.

3D Platform, Longer Life Term

FA- 1 uses 3D platform to adjust the position of the fiber array and provide high accuracy and much longer life time. You don't need to refocus during the measurement in one fiber array. The microhead is very comfortable can increase the efficiency of measurement.



High Image Quality

FA-1 has the same grade optical system as Easycheck and has 300X magnification. FA-1 is the fiber array inspector with best image quality.

Specification

Item	Parameters
Magnification	300X
Video Format	PAL
Power Consumption	3W
Fiber Array Compatibility	128 core
Fiber Array Angle (°)	6 , 8 , 10 , 45 (Optional)
Power Supply	12V DC
Size	300mm*100mm*120mm
Weight	1.8kg

VIEW-SCOPE Multi Fiber Visual Inspector/ Cross Tester

ORDER CODE **VIEW-SCOPE**

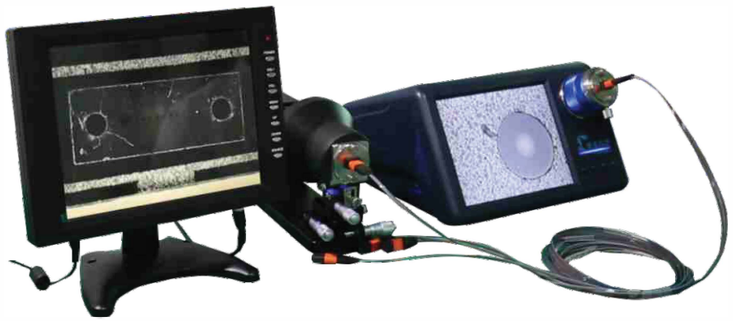
Features:

- Excellent compatibility, applicable for
- various connectors, including T1, MPO, MT, etc.
- Non-contact inspection and cross testing 1~5X Magnification, cover the whole end-face and the 7um level details
- High power circular LED light source in special designed angle for multi channel connector
- Professional 3D stage, easy for tuning Simple and clear user interface, one click to catch and save the screen

VIEW-SCOPE is designed to inspect the multi channel fiber connectors. 1-5X variable objective lens is creatively equipped to cover the whole end-face of the multi channel connector as well as the 7um level details. With the help of EASYCHECK, VIEW-SCOPE can be used practically as cross tester for multi channel jumper.

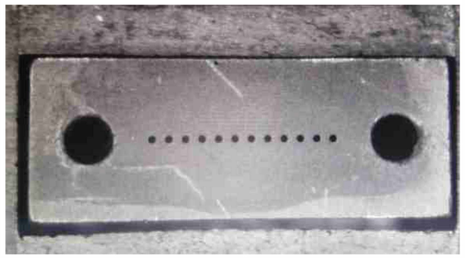
Non-Contact Cross Testing

Using the light source of EASYCHECK, VIEW-SCOPE can perform the cross testing for multi channel jumper, to ensure the fiber channels are in the right order.



Compatibility

It can be compatible with all the adaptors of Easycheck.



Concise software interface

The application is compatible with multi operation system, including Windows 8 and higher. The user interface is simple and clear. Click one button to catch and save the screen.

Wide Variety of Adaptors

Compatible to various adaptors for different multi channel connectors, including T1, MTP, MT and etc.

T1

MPO

MT

1~5X Variable Objective Lens

1~5X variable objective lens is creatively introduced to cover the whole end-face and the 7um level details.

Easy Operation

Special designed circular LED light source helps to inspect the multi channel end-face more clearly. Professional 3D stage ensures the easy and consistent position tuning.

Specification

Item	Parameters
Magnification times	1-5X variable objective lens
Power Consumption	8W
Width applicable	>7mm
Angle applicable	0 or 8°
Power Supply	DC 12V
Size	350 * 70 * 130 mm
Weight	2KG

OFFSOON MARK III Fiber End-face Cleaner

Features:

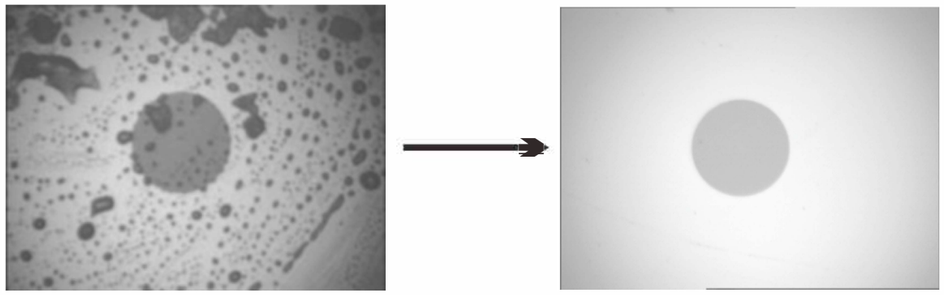
- Capable for Automation, Can be integrated to Auto Feeding, Auto Cleaning, Auto Inspection systems.
- High cleaning efficiency, >98% cleaning rate
- Preset cleaning program
- Preset air pressure
- Endurable and long life time

ORDER CODE **OFFSOON MARK III**

OFFSOON MARK III integrated fiber end-face cleaner is the latest fiber cleaner developed by Dimension Technology. The remarkable improvement is the high efficiency to clean female ceramic connector. OFFSOON MARK III cleaner ensures the low Insertion Loss and high Reflection Loss for fiber coupling.
OFFSOON MARK III is capable to Automation development. It can be easily integrated to Auto Feeding, Auto Cleaning, Auto Inspection systems for high efficiency and low work loading.

Capable for Automation Development

With the open interface and protocol, OFFSOON MARK III can be easily integrated to Auto Feeding, Auto Cleaning, Auto Inspection systems. The internal protection mechanism ensures the safe and reliable operation.



>98% Cleaning Rate

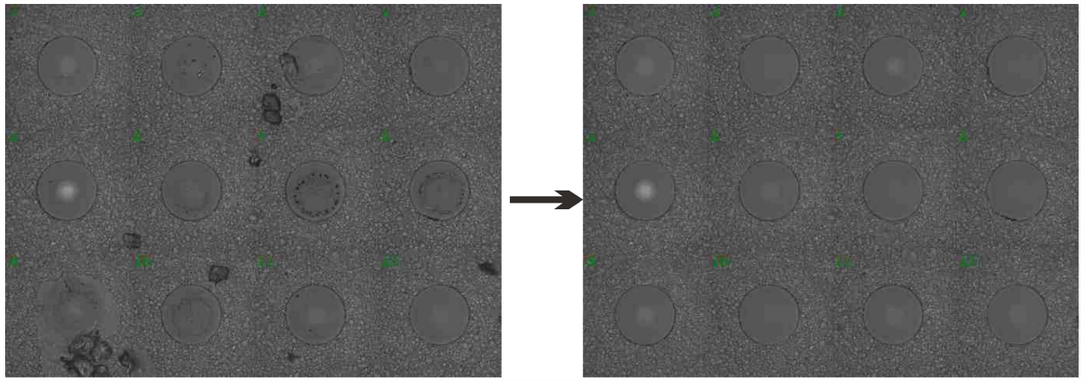
OFFSOON MARK III applies new hardware and improved air/liquid design. Using the new generation cleaning liquid, the cleaning rate is higher than 98%.

Cleaning program optional

Offsoon Mark III contains several cleaning programs in default for user to select according to specific demand.

Capable for MT Module Cleaning

New MT adaptor is designed for MT module cleaning.



Gas Pressure adjustable,Easy to operate

OFFSOON MART III is with external gas pressure adjustable ring and external gas meter, which makes operation easier and more flexible.

External gas meter

External gas pressure adjustable ring

Durability

Offsoon Mark III adopts a new generation cleaning machine, 15000 times/500ml, meets the requirement for mass production.

Specifications

Item	Parameter
Gas Source	Clean air or N_2
Air Pressure	4Kg ~ 6Kg
Speed(auto feed, auto clean, autocheck)	8s
Power Supply	DC 24V
Size (Mark III mainframe)	265mm*205mm*92.5mm (L*W*H)
Weight (Mark III mainframe)	5kg

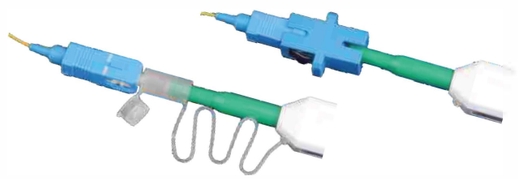
EASYCLEANER-2 Fiber End-face Cleaner

ORDER CODE **EASYCLEANER**

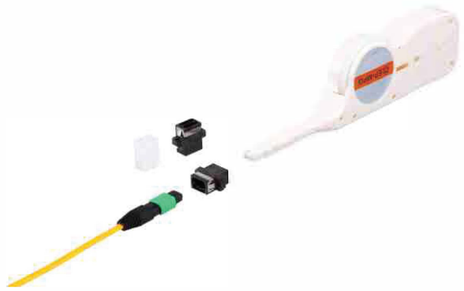
Features :

- Able to Clean 1.25mm Ferrules, such as LC, MU
- Able to Clean 2.5mm Ferrules, such as FC, SC, ST
- Over 800 times Cleaning
- Antistatic, no Secondary Pollution
- Easy to Operate
- High Clean Efficiency

Easycleaner-2 is a new type fiber endface cleaner, it is designed to clean both male and female optical connectors especially in optical distribution frames. The Easycleaner is very effective, you just need one “click” to make endfaces clean in one time .



MPO Fiber End-face Cleaner



ORDER CODE **MPO**

The MPO Cleaner is a high-performance device designed for cleaning the ferrule end-faces of MPO & MTP connectors. Cost effective tool for cleaning fiber end-faces without the use of alcohol. It saves time by effectively cleaning all 12 fibers at once. The MPO connector cleaner is designed to clean both exposed jumper ends and connectors in Adapters.

Features:

- Effective on a variety of contaminates including dust and oils
- Intermateability with FOCIS-5 (MPO) Capable of cleaning ferrules with or without guide pins
- Capable of cleaning MPO ferrules inside or outside an MPO adapter
- Narrow design reaches tightly spaced MPO adapters
- Easy one-handed operation
- Up to 500 cleanings