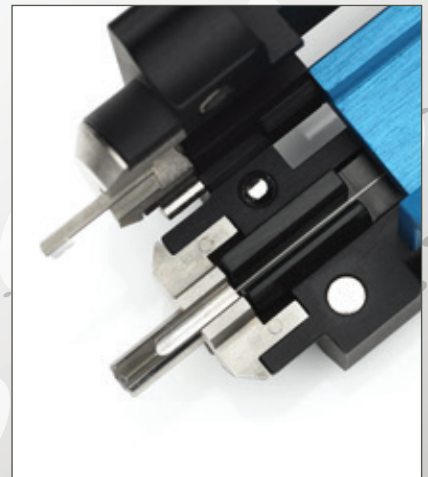
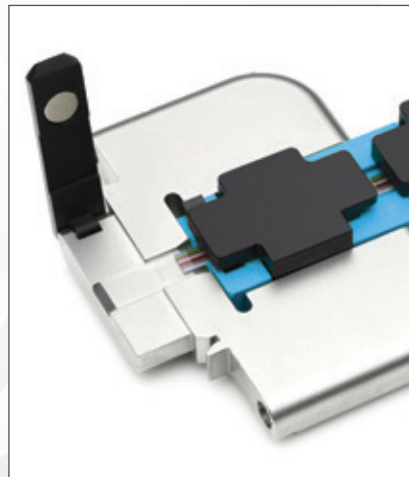
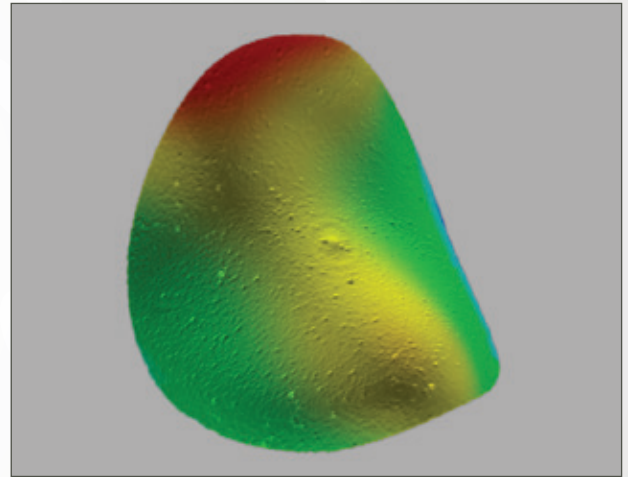
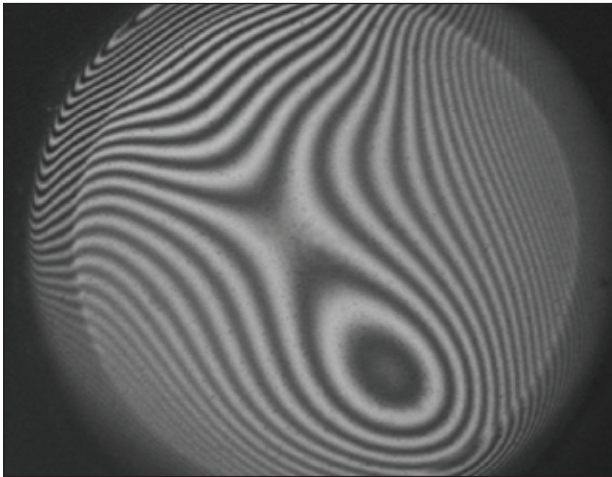




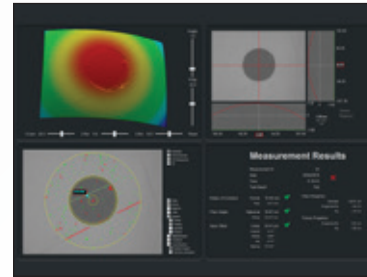
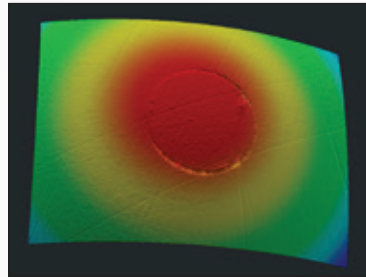
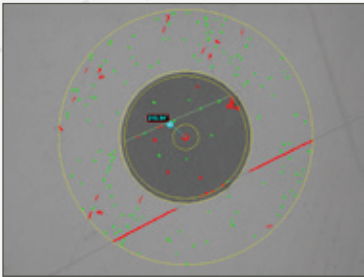
SPECIALIZED FIBER OPTIC ENDFACE TESTING



PRODUCTS // ACCESSORIES

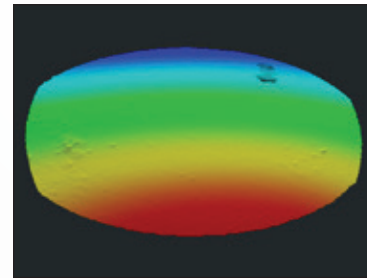
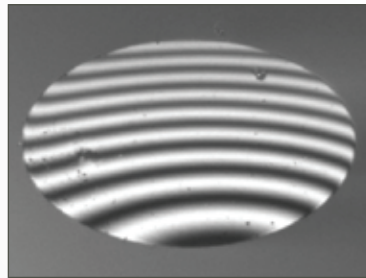
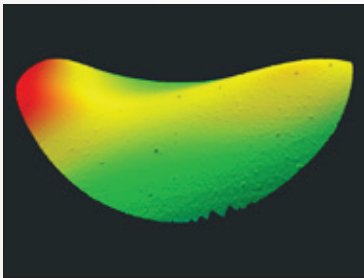
Fiber Optic Connector and Termini Testing

- Aerospace & military vehicles on location inspection
- NIST/ISO traceable testing
- Fiber patch cable manufacturing and R&D
- Data Center and telecom field locations
- All single fiber standard connectors and termini including duplex LC and SC
- Endface geometry and defect detection
- QA inspection and vendor qualification



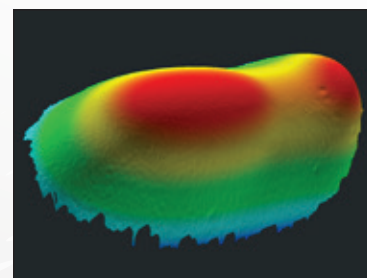
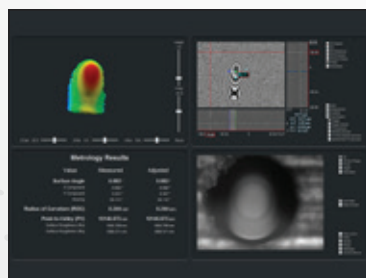
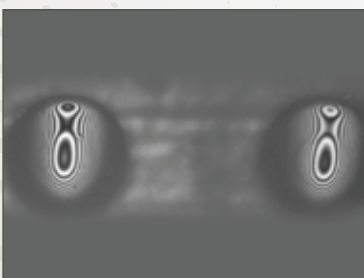
Bare Fiber Measurement

- Laser and mechanical cleave
- Cleave/polish angle and X-Y components
- 2D and 3D geometric analysis
- Bare fiber production and R&D
- Angle polish and specialty fiber endfaces
- Micro optics and ball lenses



Cleaved Fiber Ribbon Evaluation

- Laser/mechanical cleave, polish ribbon fibers
- Individual fiber inspection
- Specialty EO interconnects
- MT ferrule, 12, 24, 36, 48 fiber
- Custom interconnects



FiBO® 250 // ADVANCED FIBER TESTING

Accurately evaluate fiber optic connectors and termini on-site

FiBO® 250 interferometer is a fully automated solution for fast and accurate fiber optic connector endface testing. 3D surface metrology and advanced defect detection capabilities are combined in one compact and portable system.

Applications

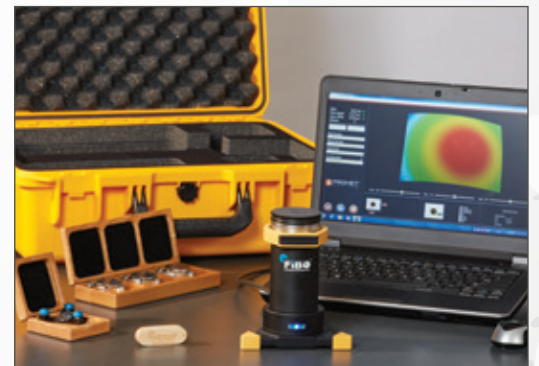
- Fiber production
- Supplier qualification
- Platform testing
- QA inspection and documentation
- Go/No-go evaluation
- Aerospace/military vehicle field service

System Features

- Automatic radius of curvature, fiber height and apex offset measurements
- Patented PhaseLock™ defect detection technology
- High resolution imaging for accurate results
- Auto-focus optics with dedicated scope mode
- Patented kinematic adapters for exact fiber positioning
- Change adapters without calibration
- Vibration-insensitive, compact design
- User-friendly FiBO Code™ software
- Compliance with IEC/TIA measurement standards
- Quick and easy ISO/NIST traceable calibration

Specifications

Size	Height 6.5" (165mm) Diameter 2.5" (64mm)
Weight	2.2 lbs (1.0 kg)
Optical source	458nm LED
Optical magnification	10x
On-screen magnification	480x
Height resolution	2nm
High resolution	0.22 µm/px
Standard resolution	0.45 µm/px
FOV diagonal	450 µm
Connector adapters	FC/PC, FC/APC, LC/PC, LC/APC, LSH/PC, LSH/APC, MU/PC, SC/PC, SC/APC, ST, 1.25mm, 1.6mm, 2.0mm, 2.5mm, 3.2mm Ferrules (custom adapters also available)
Accessories	BFC, FST
Measurement technique	Non-contact, phase-shifting Michelson interferometer
Computer interface	USB 3.0 (cable included)
Power supply	Power supplied through USB 3.0 port
Software	FiBO Code™ (Windows® 7, 8, 10)
Radius of curvature (mm)	0.1 / 0.25% mm
Apex offset	0.5 / 1 µm
Fiber height (nm)	1 / 1.5nm



The FiBO® 250 Package Includes:

- | | |
|--------------------------|---------------------|
| FiBO® 250 Interferometer | FiBO Code™ software |
| Laptop computer | 1 connector adapter |
| Calibration targets | Rugged case |
| USB 3.0 cable | |

Specifications are subject to change without notice.

FiBO® 200 // BASIC CONNECTOR TESTING

Inspect fiber optic connectors on-site

FiBO® 200 Interferometer is an economical solution for complete and accurate fiber optic connector endface testing. High resolution 3D surface metrology and automated defect detection are combined in one robust, compact system for quick and easy inspection on the production floor or in the field.

Applications

- Duplex SC, LC
- Specialty OE interconnects
- Ribbon fibers
- Supplier qualification
- Telecom field service

System Features

- Comprehensive testing of PC and APC connectors and ferrules
- Radius of curvature, fiber height and apex offset measurements
- Automatic pass/fail defect analysis
- Quick, manual focus adjustment
- High resolution imaging optics for accurate results
- Patented kinematic adapters for exact fiber positioning
- User-friendly FiBO Code™ software
- Compliance with IEC/TIA measurement standards
- Quick and easy ISO/NIST traceable calibration
- Accepts Fiber Ribbon Stage for ribbon fiber analysis

Specifications

Size	Height 5.1" (130mm) Diameter 3.35" (85mm)
Weight	3.0 lbs (1.4 kg)
Optical source	458nm LED
Optical magnification	10x
On-screen magnification	480x
Height resolution	2nm
High resolution	0.22 µm/px
Standard resolution	0.45 µm/px
FOV diagonal	450 µm
Connector adapters	FC/PC, FC/APC, LC/PC, LC/APC, LSH/PC, LSH/APC, MU/PC, SC/PC, SC/APC, ST, 1.25mm, 1.6mm, 2.0mm, 2.5mm, 3.2mm Ferrules (custom adapters also available)
Accessories	FRS, VATS, BFC
Measurement technique	Non-contact, phase-shifting Michelson interferometer
Computer interface	USB 3.0 (cable included)
Power supply	Power supplied through USB 3.0 port
Software	FiBO Code™ (Windows® 7, 8, 10)
Radius of curvature (mm)	0.1 / 0.25% mm
Apex offset	0.5 / 1 µm
Fiber height (nm)	1 / 1.5nm



The FiBO® 200 Package Includes:

- FiBO® 200 Interferometer
- FiBO Code™ software
- Calibration targets
- Rugged case
- USB 3.0 cable

Specifications are subject to change without notice.

FiBO® 300 // SPECIALTY FIBER TESTING

Investigate specialty fibers with our most versatile FiBO

FiBO® 300 is a versatile phase-shifting interferometer for the analysis of fiber optic endface geometry. Measure non-standard, angle-polished and cleaved bare optical fiber with just one click. FiBO makes sophisticated interferometry easy and affordable.

Applications

- Bare fiber measurement up to 1500 microns in diameter
- Specialty fiber endface analysis
- High power laser components
- Ribbon fibers
- Single- and multi-mode optical connector testing
- Cleaved fiber inspection
- Angle-polished fiber up to 50 degrees
- Micro-optic components

System Features

- High resolution 3D surface profiling
- 3.4x, 10x and 20x selectable optical magnification
- Kinematic Adapters for fiber optic connector endface defect and geometry testing
- Accepts VATS™ (Variable Angle Tilt Stage) and BFC™ (Bare Fiber Chuck)
- Powerful, easy-to-use FiBO Code™ software
- Optional NIST/ISO-traceable 2D/3D calibration targets
- Vibration insensitive and compact design
- Accepts Fiber Ribbon Stage for ribbon fiber analysis

Specifications

Size	Height 6.5" (165mm) Diameter 3.15" (80mm)		
Weight	3.0 lbs (1.4 kg)		
Optical source	458nm LED		
Optical magnification	3.4x	10x	20x
On-screen magnification	160x	480x	960x
Height resolution	2nm	2nm	2nm
High resolution	0.64 µm/px	0.22 µm/px	0.11 µm/px
Standard resolution	1.34 µm/px	0.45 µm/px	0.24 µm/px
FOV diagonal	1300 µm	450 µm	225 µm
Connector adapters	FC/PC, FC/APC, LC/PC, LC/APC, LSH/PC, LSH/APC, MU/PC, SC/PC, SC/APC, ST, 1.25mm, 1.6mm, 2.0mm, 2.5mm, 3.2mm Ferrules (custom adapters also available)		
Accessories	VATS, BFC, FRS		
Measurement technique	Non-contact, phase-shifting Michelson interferometer		
Computer interface	USB 3.0 (cable included)		
Power supply	Power supplied through USB 3.0 port		
Software	FiBO Code™ (Windows® 7, 8, 10)		
Radius of curvature (mm)	0.1 / 0.25% mm		
Apex offset	0.5 / 1 µm		
Fiber height (nm)	1 / 1.5nm		



The FiBO® 300 Package Includes:

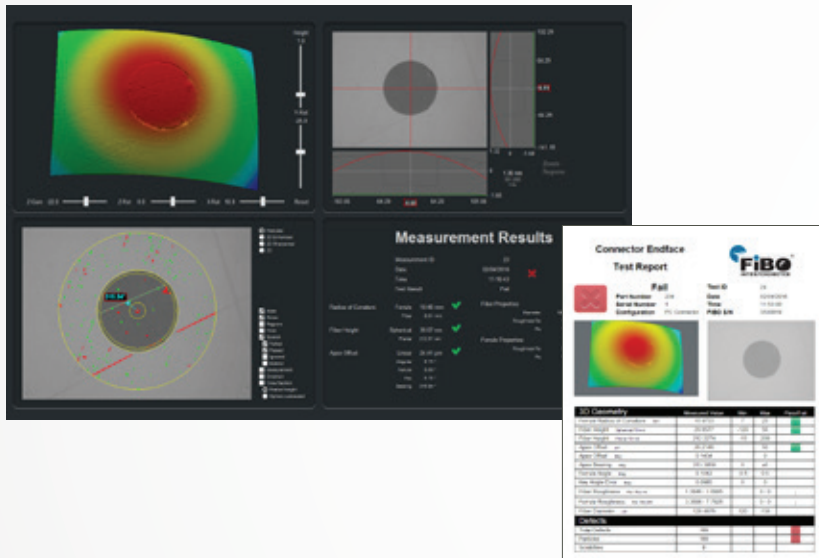
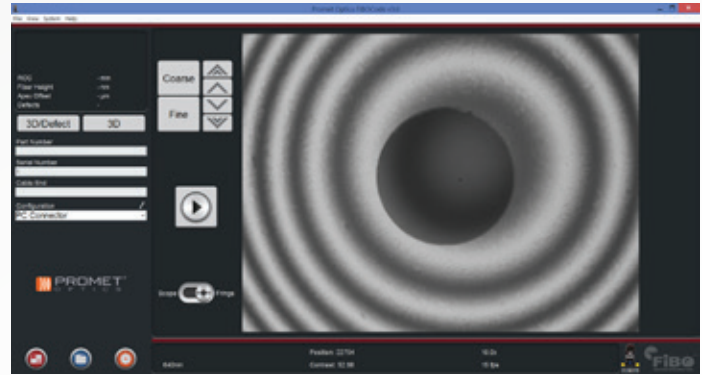
- | | |
|--------------------------|---------------------|
| FiBO® 300 Interferometer | FiBO Code™ software |
| Laptop computer | 1 connector adapter |
| Calibration targets | Rugged case |
| USB 3.0 cable | |

Specifications are subject to change without notice.

FiBO CODE™ SOFTWARE

FiBO Code™ Features

- Go/No-go connector/termini testing
- 3D endface analysis of bare fiber
- NIST/ISO traceable calibration
- New configurable user interface
- Powerful new data processing engine



Connector Testing

- PC and APC connectors
- Configurable testing standards
- Auto-accept measurement
- Auto-increment serial numbers
- Exportable measurement history
- Customizable defect pass/fail criteria by zone
- Measurement reports

General Metrology

- Bare fiber, micro optics, ball lenses
- Polish/cleave angle
- Cleave angle X-Y components
- Masking for local area of interest measurements
- 2D X-Y profile
- Manual ΔX - ΔY - ΔZ and angle measurements
- Measurement history database
- Exportable 3D surface profile
- Measurement reports with editable notes



FiBO® ACCESSORIES

Fiber Ribbon Stage (FiBO 200 & 300)

The Fiber Ribbon Stage enables 3D endface analysis of cleaved ribbon fibers.

- Smoothly adjustable X-Y
- High-precision kinematic interface
- Compatible with custom, application specific Fiber Ribbon Holder*
- Supported by FiBO Code™ software



Fiber Ribbon Holder (FiBO 200 & 300)

The Fiber Ribbon Holder facilitates individual endface geometry measurement of cleaved and polished ribbon optical fiber. The Fiber Ribbon Holder interfaces with the Fiber Ribbon Stage* for cleaved ribbon fiber endface metrology.

- 8 degree MT ferrule
- Standard MT ferrule
- Can be used with ribbon cleaving fixtures for immediate post-cleave inspection
- Custom designed for each ribbon application, 0-12 degrees



VATS™ - Variable Angle Tilt Stage (FiBO 200 & 300)

The VATS™ enables 3D endface measurement of angled ferrules, bare optical fiber and other fiber optic components.

- Smoothly adjustable tilt angle
- Gimbal tilt design for easy alignment
- Vernier degree scale
- Magnifying lens for legible readout
- Quick-release mechanism
- High-precision kinematic interface
- Fully compatible with BFC*
- Supported by FiBO Code™ software



BFC™ - Bare Fiber Chuck

The BFC™ facilitates endface geometry measurement of cleaved and polished bare optical fiber.

- Easy endface measurement of optical fiber from 70 to 1500 micron diameter
- Convenient dual-clamp V-groove mount
- Precision-machined aluminum construction
- Optional Loading Station* assists preparation
- Compatible with 3.2mm Ferrule Adapter* for flat endface measurement
- Interfaces with VATS™* for angled endface measurement



Fiber Stub Tool

The Fiber Stub Tool is an accessory for endface geometry measurement of polished fiber stubs. This convenient tool makes it easy to measure the radius of curvature, fiber height, apex offset, angle and cleanliness of small fiber stub components.

- Enables measurement of all endface polish types
- Quick action plunger controls stub release
- Compatible with 3.2mm Ferrule Adapter*
- Balanced ergonomic design
- Precision spring-loaded tip



*sold separately

FiBO® // PRODUCT SELECTION GUIDE



Applications	FiBO 200	FiBO 250	FiBO 300
MIL Spec Termini	✓	✓	✓
Fiber Patchcords	✓	✓	✓
Flat Polish	✓	✓	✓
Laser Cleaved Ribbons	✓		✓
Large Diameter Fiber			✓
Cleaved Bare Fiber			✓
Non-Contact Surface Profile			✓
Use Environments			
Production	✓	✓	✓
Quality Control	✓	✓	✓
Field Service	✓	✓	
R&D			✓
Features			
Price	\$	\$\$	\$\$\$
Portability	✓	✓	✓
Traceable Calibration	✓	✓	✓
Auto-Focus		✓	✓
Variable Field of View			✓

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