

INTERFEROMETRY

DAISI-V3



DAISI-V3

Digital Automated Interferometer and Microscope for Surface Inspection

The ultimate production interferometer for **measuring end-face geometry on single fiber connectors**, equipped with a revolutionary « no-exterior-moving-parts » mechanical design.

The unit **combines a x400 microscope and an interferometer** in order to control connectors after polishing in a very short time.

With the Blink software, operators have the easiest way to produce customised control reports.

DAISI-V3 is fully **compatible with Industry measurement Standards**.

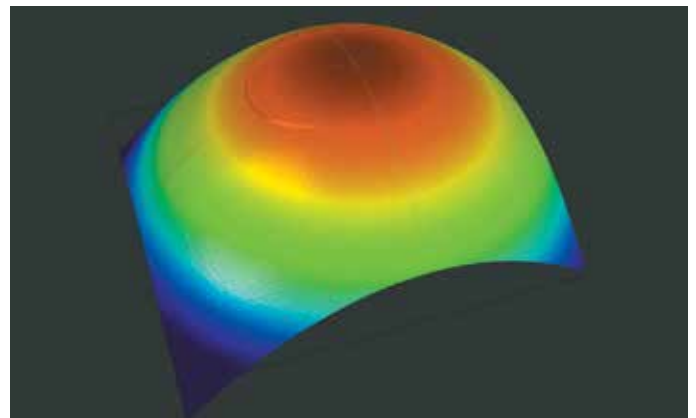
SPECIFICATIONS :

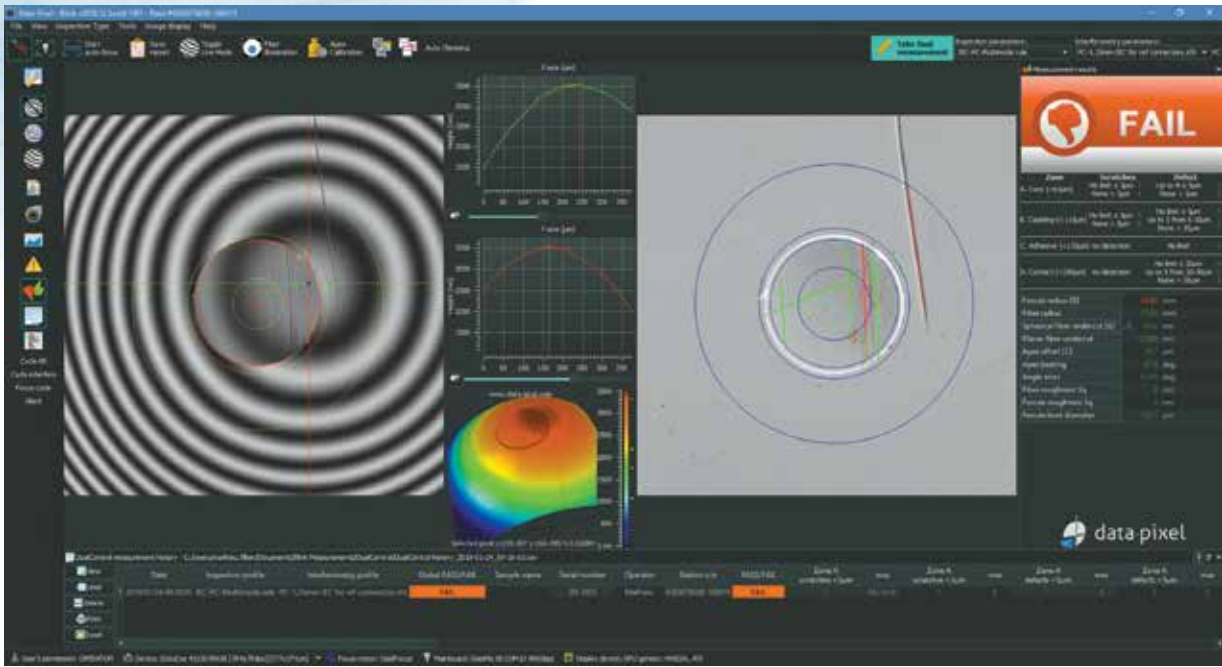
Field of view (mm) :	0.7 x 0.5
Scan mode :	Red light
Radius (mm) :	3 to flat
Apex Offset (µm) :	0 to 500
Fiber Height (nm) :	± 160
Fiber cleave angle (degrees) :	0 to 12
Measurement speed (sec.) :	1
Magnification :	X 400
Output :	USB 2.0
Power source :	External 12V
Dimensions H x W x L (mm) :	133 x 171 x 244
Weight (kg) :	6

KEY FEATURES :

- Measurement of PC and APC connectors, ferrules and bare fibers
- True phase-shifting interferometer
- Non-contact measurement
- Smart autofocus, focus only when required
- Servo-controlled reference mirror for automatic Apex calibration
- Robust Motor driven automated Flange locking Mechanism
- Vibration insensitive
- Easy and fast switching from PC to APC, no change of fiber holder required
- Compliance with Industry Standards for Interferometer Measurements
- Intuitive BLINK software, with data-base connectivity
- Compatible with desktop PC, laptop, tablet PC

DEEP LEARNING
INSIDE





Blink is a software platform common to all Data-Pixel products. Dedicated plugins support the Interferometry range of products : 3D Scope-V2, Daisi-V3 and Daisi MT-V3.

PDF, HTML and CSV reporting capability with extensive database support (SQL Server, MySQL, ODBC, ORACLE,...).

OLE automation support is available for dedicated application.

ORDER OPTIONS :

DAISI-V3 unit with :	
- Blink interferometry	
- Blink Automated Inspection	
- 2 flanges (1.25 mm, 2.50 mm)	
- 6 adapters (FC N, FC W, E2000, SC, LC, MU)	71-DASF-V3-A10-20
Flange 1.25mm	10-FL-001380
Flange 1.25mm LC DUPLEX (Uniboot, MDC, SN, standard LC)	30-FL-001782
Flange 1.25mm LC DUPLEX (CS, URM P2)	30-FL-002603
Flange 1.60mm	30-FL-001375
Flange 2.00mm	30-FL-001377
Flange 2.50mm	30-FL-001396
Flange 3.17mm SMA	30-FL-001971
Flange for bare fiber	40-FL-001660
Adapter 1.25mm LC	10-AD-001013
Adapter 1.25mm LC Duplex	Several references available
Adapter 1.25mm MU	10-AD-000555
Adapter 2.50mm SC	10-AD-000552
Adapter 2.50mm FC Narrow	10-AD-000554
Adapter 2.50mm FC Wide	10-AD-000553
Adapter 2.50mm E2000	10-AD-000408