

INTERFEROMETRY

DAISI-V3



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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 high resolution microscope and an interferometer** in order to control connectors after polishing in a very short time.

Daisi - V3 allows to measure all simplex connectors but also all Duplex connectors including the new VSFF duplex.

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

SPECIFICATIONS :

Field of view (mm) :	0.7 x 0.5
Scan mode :	Red light and Blue 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 3.0 and USB 2.0
Power source :	External 12V
Dimensions H x W x L (mm) :	133 x 171 x 244
Weight (kg) :	8.6

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

Controlled reference mirror for automatic Apex calibration

Robust Motor driven automated Flange locking Mechanism

Vibration insensitive

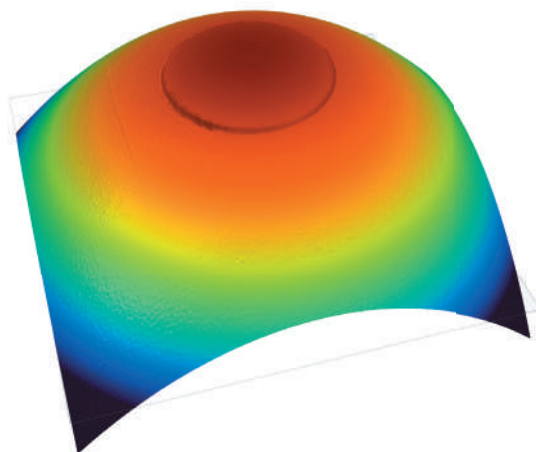
Easy and fast switching from PC to APC, no change of fiber holder required

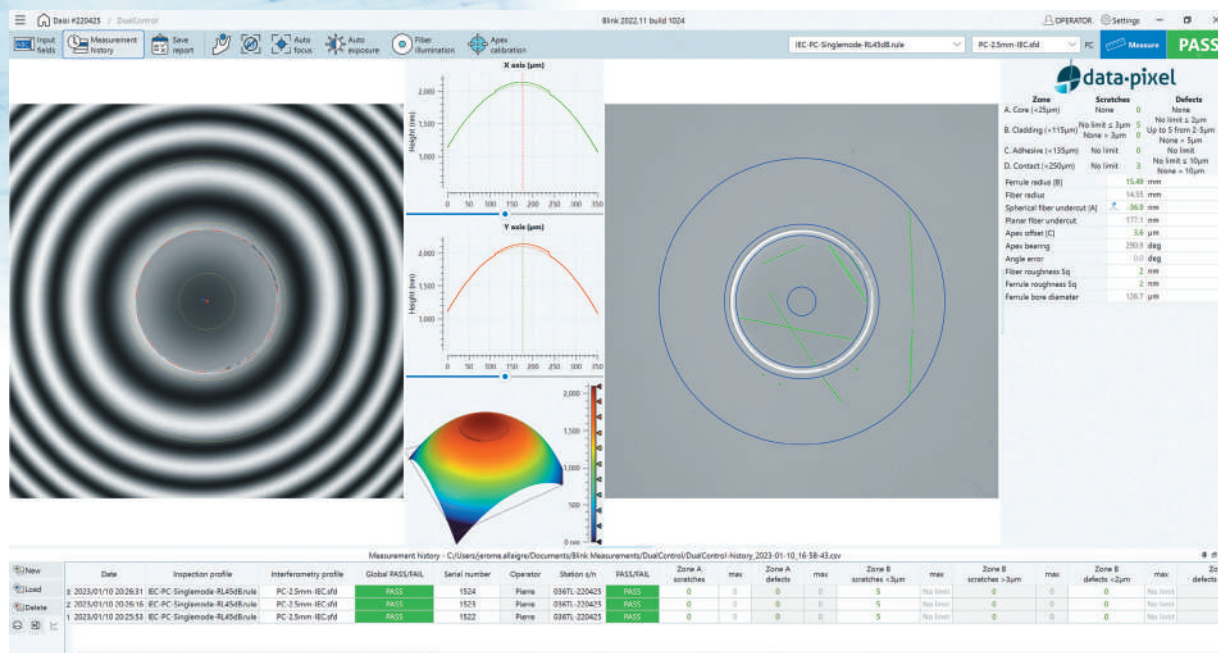
Compliance with Industry Standards for Interferometer Measurements

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, Daffi SF, Daffi MT and Daisi MT-FP. An Inspection plugin also supports the Daisi V3 which can operate in Dual Mode : Interferometry and Inspection simultaneously. 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	70-DASF-V3-A10-20
- Blink Inspection SF	
Flange 1.25mm	10-FL-001380
Flange 1.25mm LC DUPLEX (Uniboot, MDC, SN, standard LC	30-FL-003244
Flange 1.25mm LC DUPLEX (CS, URM P2)	30-FL-002603
Flange 1.60mm	30-FL-002382
Flange 2.00mm	30-FL-002395
Flange 2.50mm	30-FL-001396
Flange 3.17mm SMA	30-FL-003224
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