data·pixel
pixels at work

LASER COMPONENTS®

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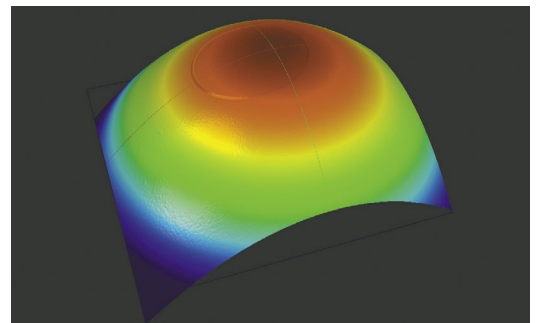
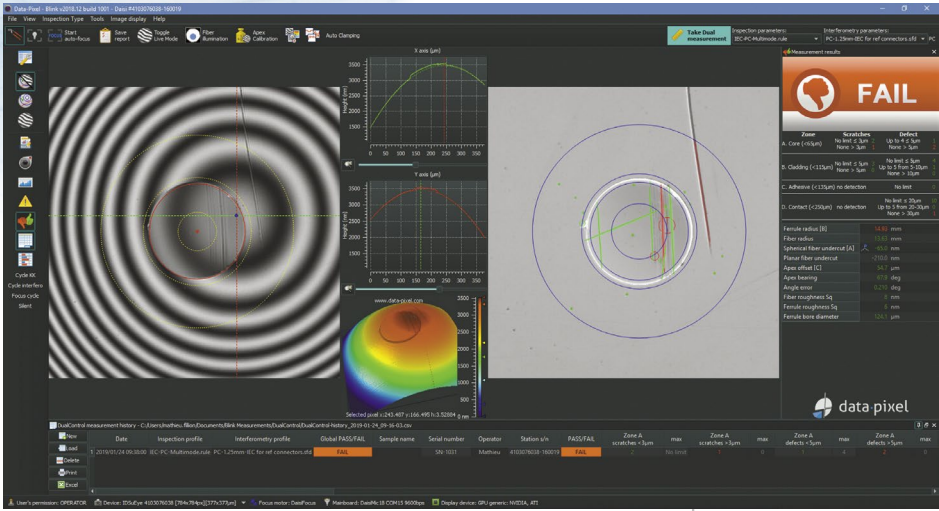DAISI-V3 is fully **compatible with Industry measurement Standards.**

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

SPECIFICATIONS:

Field of view (mm) :	1.1 x 0.9
Scan mode :	Red light (white light optional)
Radius (mm) :	3 to flat
Apex Offset (µm) :	0 to 500
Fiber Height (nm) :	± 160 (± 15 000 with White light)
Fiber cleave angle (degrees) :	0 to 12
Measurement speed (sec.) :	1
Magnification :	X 300
Output :	USB 2.0
Power source :	External 12V
Dimensions H x W x L (mm) :	133 x 171 x 244
Weight (kg) :	6

DAISI-V3 | INTERFEROMETRY

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, 2.5 mm)
    - 6 adapters (FC N, FC W, E2000, SC, LC, MU)
	71-DASF-V3-A10-20

Flange for bare fiber	40-FL-001660
Flange 1.25mm	10-FL-001380
Flange, PC, 1.25mm LC Duplex	30-FL-001392
Flange 1.60mm	30-FL-001375
Flange 2.00mm	30-FL-001377
Flange 2.50mm	30-FL-001381
Flange 3.17mm SMA	30-FL-001971
Adapter 1.25mm LC	10-AD-001013
Adapter 1.25mm LC Duplex	30-AD-001701
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