

INTERFEROMETRY

DPX360



DPX360

Digital Automated Interferometer with true inspection capability for MT/MPO connectors

DPX360 is a unique piece of equipment that combines a **state-of-the-art interferometer** and a **high-resolution microscope** into one powerful instrument for Multi-Fiber and Single-Fiber connectors.

DPX360 can detect defects and measure the geometry of optical fiber connectors simultaneously, with unequalled performance.

The MPO connector is inserted only once, scanned in less than 15 seconds, and the DPX360 automatically provides pass/fail results for both inspection and interferometry.

The microscope of the DPX360 uses our Blink software platform integrating an AI based Deep Learning Algorithm. The benefit of this technology is to improve very significantly the quality of defect analysis. It also allows to teach the software to recognize new defect types based on the user's specific requirements. This process is unlimited and the software provides highly repeatable pass/fail results.

KEY FEATURES :

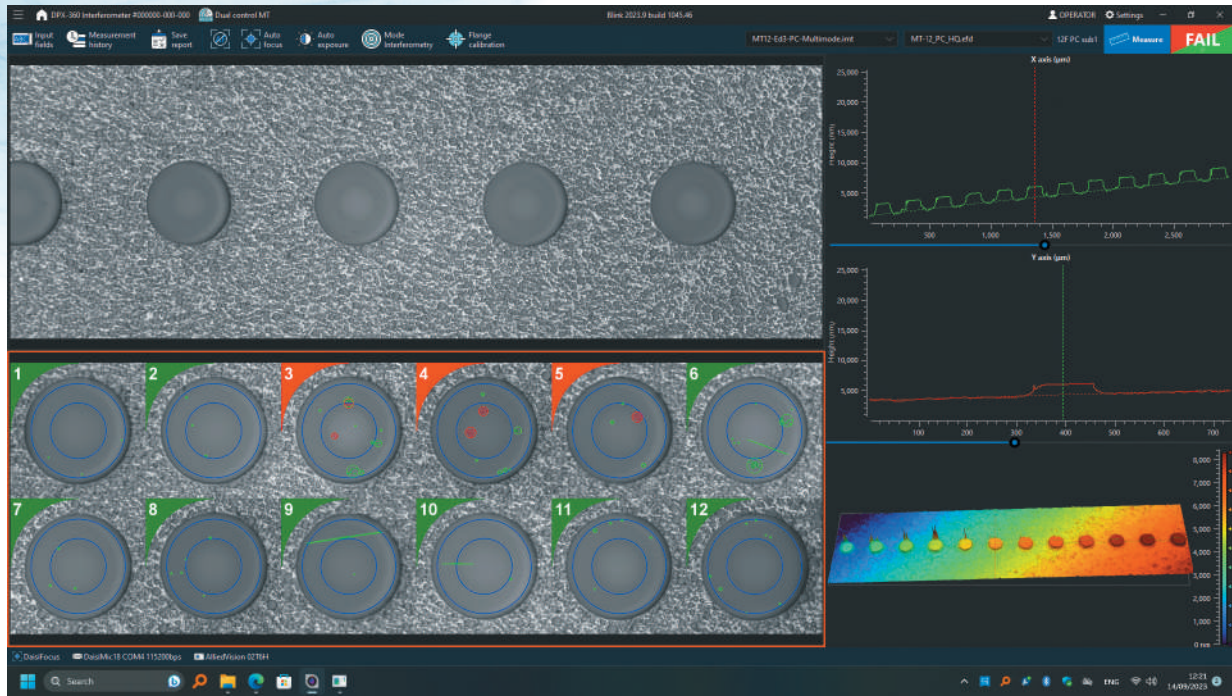
True phase shifting interferometer
High-resolution microscope
Dual mode: inspection and interferometry
Ultra-fast 2D and 3D cycle time < 15sec
Driven by Blink software with Deep Learning for defect analysis
Defect size detection < 0.5µm
Supports all MT/MPO, Single Fiber and VSFF connectors
Compliant with the latest industry standards (IEC by default)

DPX360 combines and even surpasses the performance of **Daisi MT** and **Dscope MT**, which have proven themselves in terms of precision, repeatability, and reliability in the most demanding production environments.

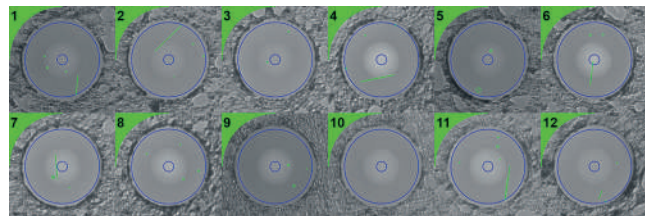
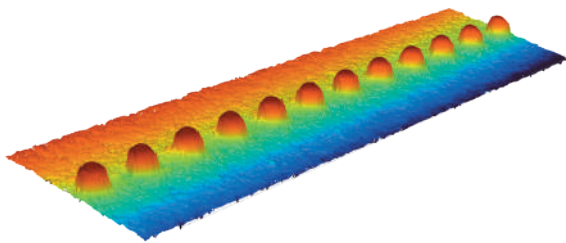
SPECIFICATIONS :

Field of view (mm):	5.1x1.1 (inspection) 4.5x4.5 (interferometry)
Scan modes:	Red light and White light
Measurement speed:	15 sec for MT12 Single Mode in dual mode
USB Outputs:	USB 3.0
Power source:	External 12V
Weight (kg):	9.8
Dimensions H x W x L (mm):	139 x 249 x 263

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, Daisy V3, Daffi MT, Daisy MT-FP and DPX360. An Inspection plugin also supports the Daisy V3 and the DPX360 which can both 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:

DPX360 unit with Blink Interferometry and Inspection	70-D360-V1-A10-00
Flange MT 12/24 Female	30-FL-004136
Flange MT 16/32 Female	30-FL-004137
Flange MT 12/24 Male	30-FL-004138
Flange MT 16/32 Male	30-FL-004139
Adapter MT ferrule 12/24 and 16/32	30-AD-004140
Adapter MPO 12/24 double key	30-AD-004141
Adapter MPO 16/32 double key	30-AD-004142
Adapters available for VSFF connectors (MDC, CS, SN, TMT, MMC, SN-MT)	