

# INTERFEROMETRY

## DAFFI MT



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*Digital Automated Fiber & Ferrule Interferometer for Multi-Fiber connectors*

Data-Pixel has developed a **cost effective interferometer** line for high volumes production without compromising accuracy or performance.

Based on our extensive interferometer manufacturing experience we designed the DAFFI MT to be **robust, fast and accurate** in order to meet all manufacturing or laboratory environments.

With the Blink software platform, DAFFI is able to measure the end face geometry on multi-fiber connectors and ferrules.

The Daffi MT interferometer accessories (flanges and adapters) are fully compatible with the Daisi range, allowing the user to limit the costs of the 3D geometry measurement units.

### SPECIFICATIONS :

Field of view (mm) :	3.3 x 2.7 (MT12) 5.6 x 3.0 (MT16)
Scan mode :	Red light and White light
X and Y angles (degrees) :	± 1 deviation from 0 (PC) to 8 (APC)
Fiber Height (µm) :	Up to 20
Measurement speed (sec.) :	< 5 scan + calcul.
Lateral resolution (µm) :	2.5 max.
Outputs :	USB 2.0 + USB 3.0
Power source :	External 12V
Dimensions H x W x L (mm) :	133 x 171 x 244
Weight (kg) :	6.2

### KEY FEATURES :

Measurement of PC + APC connectors and ferrules, Single-Fiber and Multi-Fiber

True phase-shifting interferometer

Non-contact measurement

Smart autofocus, focus only when required

Automatic calibration of reference mirror

Supports MT-12 and MT-16 (DAFFI MT12 or DAFFI MT16), up to 6 rows

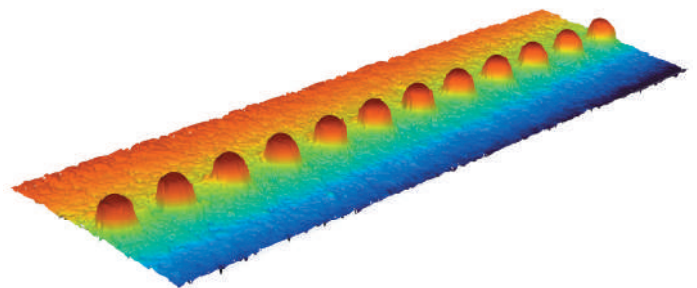
Vibration insensitive

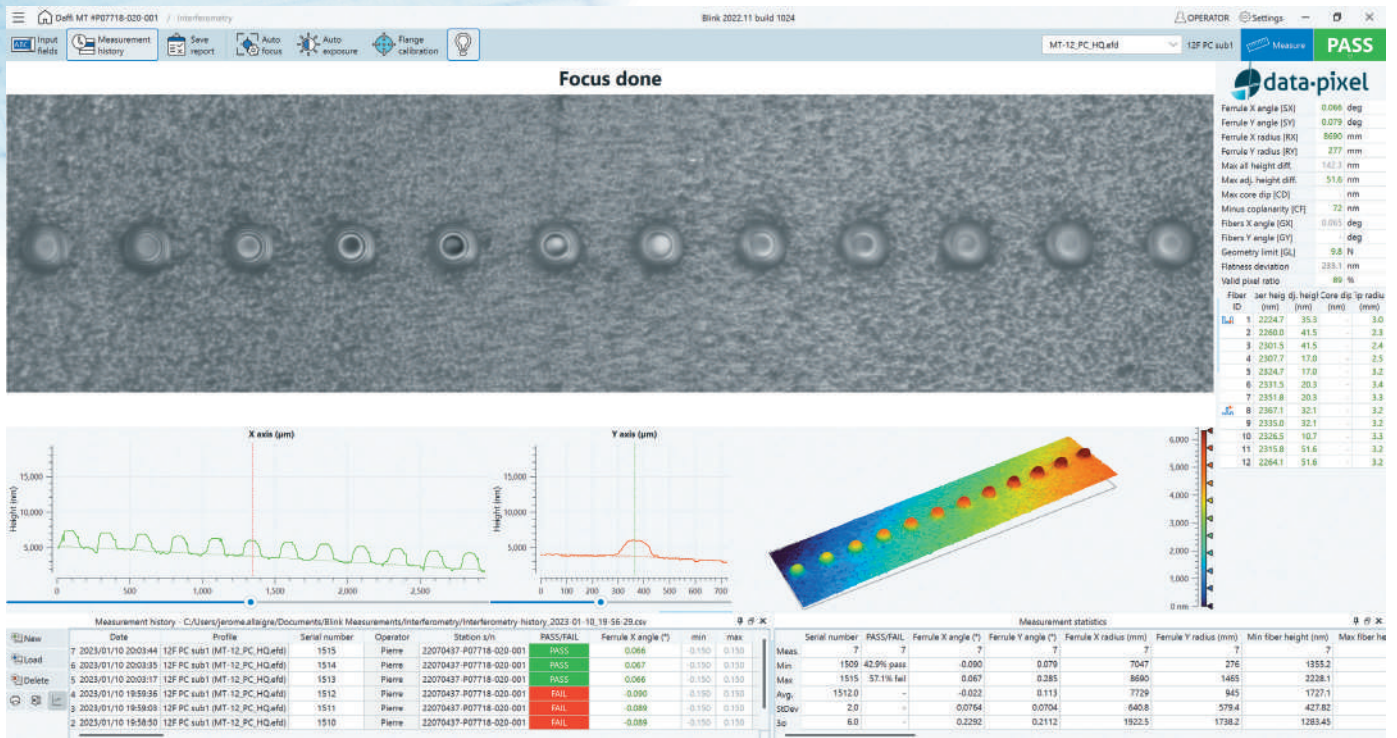
Easy and fast switching from PC to APC, no change of fiber holder required

Compliance with Industry Standards for Interferometer Measurements

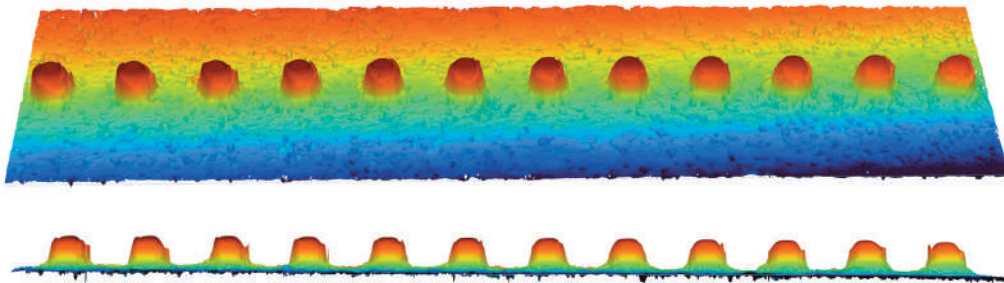
Intuitive BLINK software, with data-base connectivity

Compatible with desktop PC, laptop, tablet PC





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

DAFFI MT 12 unit with Blink Interferometry	70-DFMT-V1-A02-12
DAFFI MT 16 unit with Blink Interferometry	70-DFMT-V1-A02-16
Flange MT 12/24 Male	10-FL-001354
Flange MT 16/32 Male	30-FL-001729
Flange MT 12/24 Female	30-FL-001355
Flange MT 16/32 Female	30-FL-001357
Adapter MT ferrule 12/24 and 16/32	30-AD-001020
Adapter MPO 12/24	30-AD-002930
Adapter MPO 16/32	30-AD-001776