The Daisi MT FP combines the Daisi MT-V3 with the new Floating Pastille fixture technology from DATA-PIXEL (patent pending).

This major technological breakthrough for multi-fiber connector fixtures is perfectly suited for highly accurate X/Y endface angle measurements.

With the Floating Pastille fixtures, measurement results are completely independent from the influence of the fiber optic cables and the operator. Floating Pastille is perfectly suitable for the inspection of connectors mounted with heavy cables. With the help of the Floating Pastille, the Daisi MT-V3 is now easier to operate, without compromising any of its existing features: accuracy of measurements, reproducibility, speed, robustness. No calibration is now required, as it is factory set, per fixture, by DATA-PIXEL.

**DAISI MT FP**

*Automated interferometer with Floating Pastille Technology*

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**KEY FEATURES:**

- Combined White-Light and Red-Light phase-shifting interferometer for precise tip radius and core-dip measurement
- Fast Autofocus that simplifies operator’s handling
- Very high accuracy and reproducibility for small X/Y angles measurements
- Suitable for field heavy cables, standard small cables MTP/MPO connectors and pigtails with MT ferrules
- No calibration required
- Floating Pastille Flange is compatible with existing DAISI MT units*
- Closed-loop high precision 30 microns Z-scan
- Vibration insensitive
- High resolution optics and camera for a better resolution
- Large field of view able to scan up to 96 fibers

* existing units may need to be upgraded, depending on their configuration/version

**SPECIFICATIONS:**

- **Measurement Method:** Phase shifting + Z scanning
- **Connector Type (PC/APC):** MT12/24 & MT16/32
- **Illumination:** White light + Red light
- **Measurement speed (sec.):** 6 (MT12)
- **Lateral resolution (µm):** 2.5
- **Field of view (mm):** 5.6 x 5.6
- **Power source:** 12V
- **USB outputs:** USB 3.0 + USB 2.0
- **Weight (kg):** 6.3
- **Dimensions H x W x L (mm):** 133 x 171 x 244

**X/Y ANGLES MEASUREMENTS:**

Without Floating Pastille fixture  
With Floating Pastille fixture
**ORDER OPTIONS:**

- DAISI MT FP unit with Blink Interferometry
  
- Flange Floating Pastille Female MT 12/24
  - 30-FL-002323

- Flange Floating Pastille Female MT 16/32
  - 30-FL-002325

- Adapter MPO for MT12/24 ferrules
  - 10-AD-001017

- Adapter MPO for MT16/32 ferrules
  - 30-AD-001776

- Flange Male MT 12/24
  - 10-FL-001354

- Flange Male MT 16/32
  - 10-FL-001729

- Flange Female MT 12/24
  - 30-FL-001355

- Flange Female MT 16/32
  - 30-FL-001357

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**PERFORMANCE:**

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Repeatability *</th>
<th>Reproducibility **</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>X/Y angles (°)</td>
<td>0.001</td>
<td>&lt; 0.01</td>
<td>± 1 (PC or APC)</td>
</tr>
<tr>
<td>Fiber height (µm)</td>
<td>0.003</td>
<td>0.01</td>
<td>Up to 20</td>
</tr>
</tbody>
</table>

* values calculated from 50 measurements without interaction on connector between measurements

** values calculated from 50 measurements while removing and inserting connector in ferrule holder between measurements