

# AutoGet MT Fiber Endface Inspector



CPO (Co-Packaged Optics) Technology Breaks Through Bandwidth Limits Against the backdrop of its accelerated adoption, the deep integration of optical engines and chips has imposed stricter requirements on fiber end-face quality. Dimension Technologies' Autoget MT fiber endface inspector is designed precisely to address this challenge. Tailored for silicon photonics, 1.6T/800G optical modules, and next-gen high-density connectors, this device delivers an intelligent inspection solution. Its large-field-of-view (FOV) design ensures full-core coverage in a single scan, while ultra-high-resolution optics accurately detect micron-level defects. Powered by AI-driven algorithms, it automatically analyzes end-face imperfections, making it a critical tool for ensuring the reliability of CPO systems—supporting efficient data center operations and smarter future network infrastructure.

## Key Features

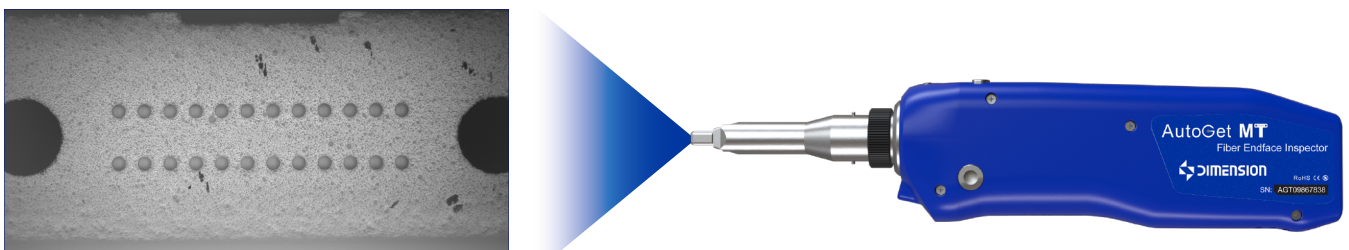
- High-Speed Inspection – Full end-face focusing and detection in <5 seconds.
- Fully Automated – Auto-focus, auto-measurement, and AI-powered defect analysis.
- Ultra-High Resolution – Micron-level defects are fully captured with zero omission

## Applications

- Data centers
- 5G optical network construction and maintenance
- University Research Laboratory...

## Large field of view, full fiber core inspection in one scan

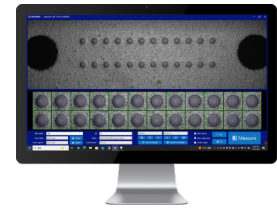
With a large field of view of 4.6 mm × 1.6 mm, AutoGet MT ensures all fiber cores are inspected in a single scan, providing clear detection of fiber end-face defects and surrounding conditions.



## Fast inspection, multi-core autofocus detection time <5s

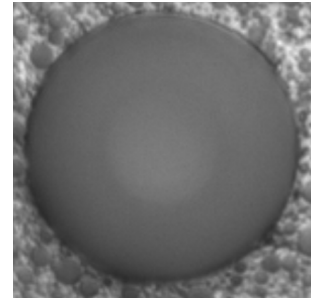
Equipped with an outstanding software algorithm, AutoGet MT enables rapid measurement while detecting even the smallest scratches and contaminants on the fiber end-face.

The analysis time for 12-core products is just 5 seconds, significantly improving inspection efficiency without compromising accuracy.



## Crystal-clear resolution - No defect escapes detection

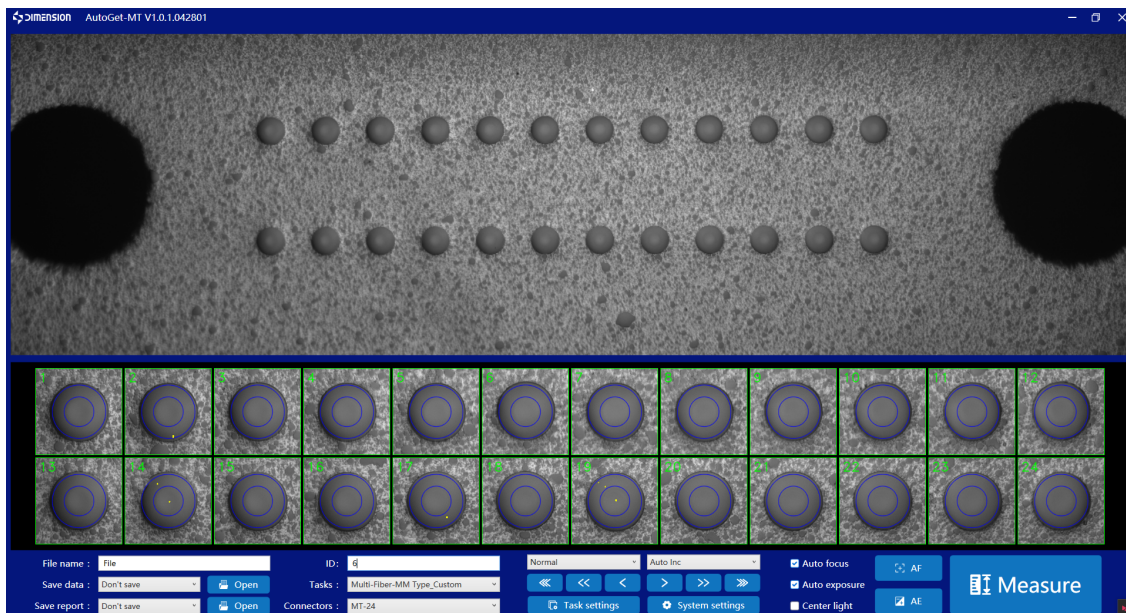
With a single-pixel resolution of 0.96μm and high-precision optical lenses, the system clearly captures micron-level defects on fiber end-faces—including scratches, particle contamination, and pits—ensuring reliable quality inspection for CPO, 800G optical modules, and other high-precision applications. No flaw can escape detection.



## Intelligent Software , One-Click Auto Inspection

AutoGet MT is equipped with Dimension Tech's proprietary intelligent software, featuring automatic analysis, autofocus, fiber switching, and fiber end-face evaluation.

With an intuitive interface and simple operation, a single click enables seamless measurement, providing a comprehensive view of fiber end-face defects.



## Lightweight & Portable – Ergonomic Grip

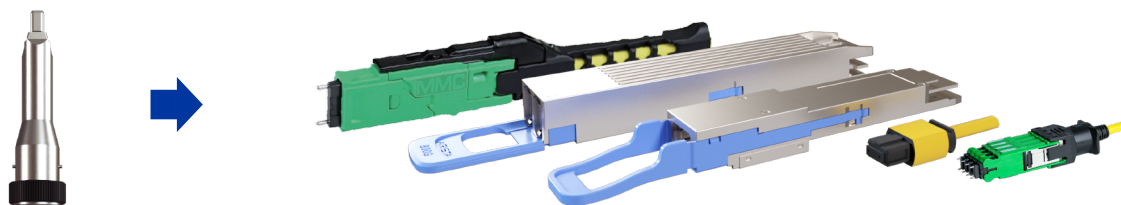
Designed with ergonomics in mind, the AutoGet MT is lightweight and easy to carry, allowing for one-handed operation and a comfortable user experience.

Dedicated autofocus and capture buttons enable effortless image acquisition of fiber end-faces.



## Versatile Interface Accessories

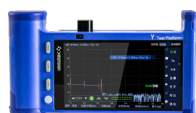
AutoGet MT offers a variety of interface adapters, providing extensive application options. It supports 800G/1.6T optical modules as well as new-generation connectors such as MMC and SN-MT.



## Specifications

| Project                        | Parameters                                            |
|--------------------------------|-------------------------------------------------------|
| Pixel Size                     | 0.96μm                                                |
| Image Sensor                   | 1" CMOS                                               |
| Optical Magnification          | x2.44 ~ x2.6                                          |
| Power Consumption              | 6W                                                    |
| Power Supply Method            | USB Type-C Power Supply / DC 5V                       |
| Auxiliary Functions            | White LED Ambient Lighting                            |
| Operating Temperature          | -5°C ~ 40°C                                           |
| Storage Temperature            | -20°C ~ 55°C                                          |
| Weight                         | 450g                                                  |
| Dimensions                     | (L) 230mm × (W) 34mm × (H) 55mm                       |
| Display Field of View          | 4.6mm × 1.6mm                                         |
| Video Signal Format            | RAW8                                                  |
| Focusing Method                | Auto                                                  |
| Signal Output Method           | USB 3.0                                               |
| Software Version Compatibility | 64-bit System                                         |
| Recommended PC configuration   | CPU i5 12th generation and above, Main frequency 2Ghz |

## Related Products



OT-200 Multifiber MPO  
Optical Time Domain Reflectometer



Bert 800  
800G Bit Error Rate Tester



Fast Check MT  
Fully Fiber Endface Inspector



AutoGet Wifi Intelligent  
Fiber Endface Microscope

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