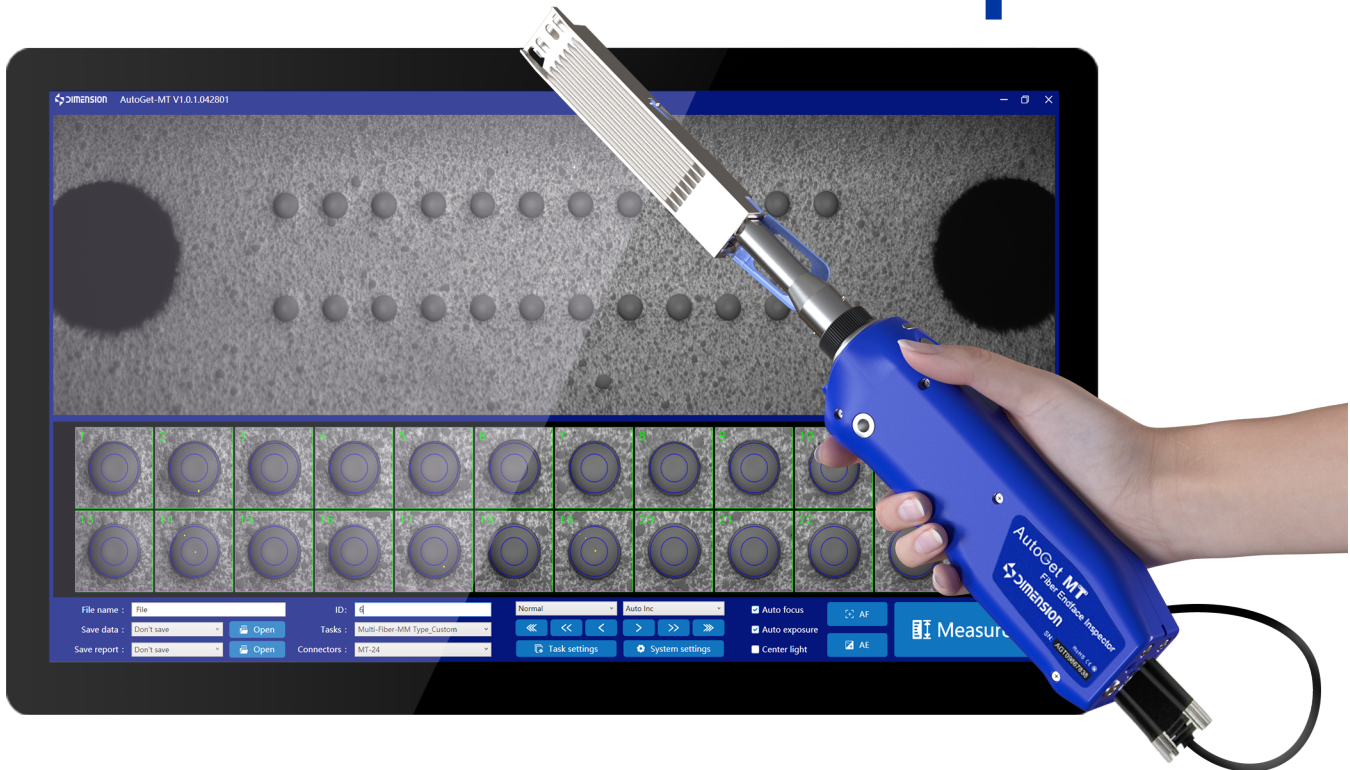# AutoGet MT
Fiber Endface Inspector

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 4.5 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.
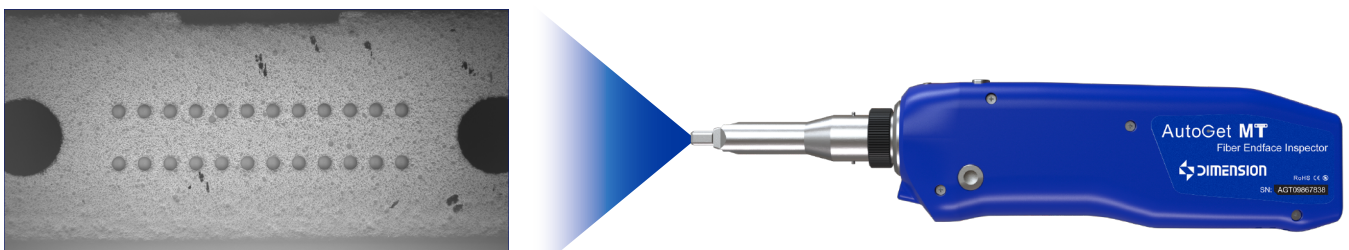
AutoGet MT

## 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.
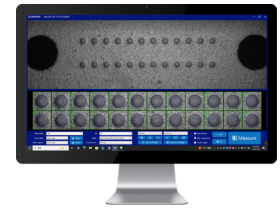
## Crystal-clear resolution - No defect escapes detection

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.
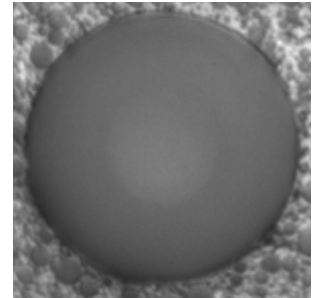
Intelligent Software , One-Click Auto Inspection

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.
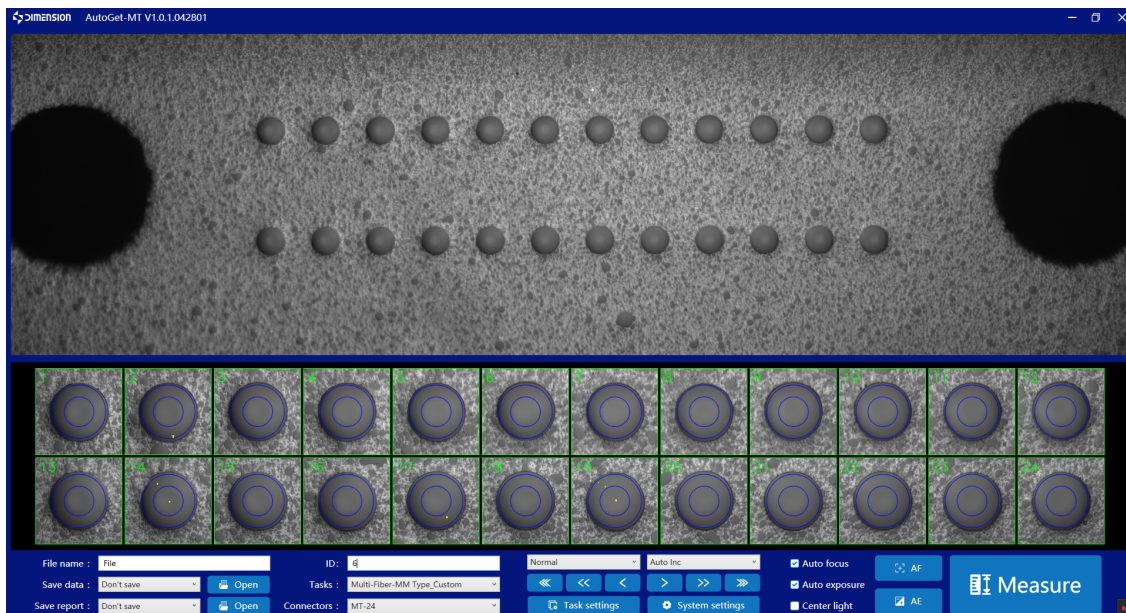

Lightweight & Portable – Ergonomic Grip

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.
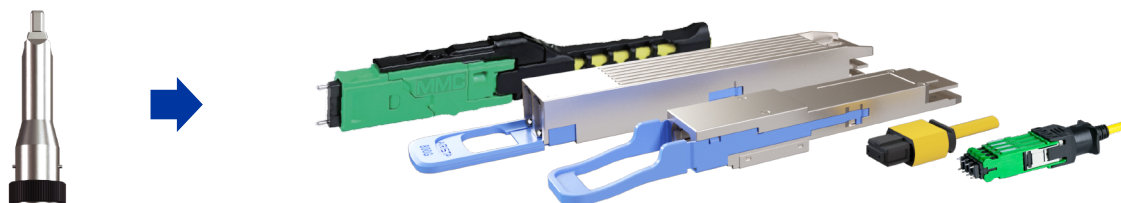
Specifications

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	4.5kg
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

Related Products
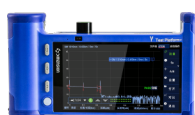
OT-200 Multifiber MPO
Optical Time Domain Reflectometer

Bert 800
800G Bit Error Rate Tester

Fast Check MT
Fully Fiber Endface Inspector

AutoGet Wifi Intelligent
Fiber Endface Microscope