

GTK-OSI1

Passive Optical Component Inspection Machine

20_{pcs}

MT/MMC
Inspection

3 σ ≤ 0.1 μ m

Repeatability



Introduction

Ultra-Precision Optical Inspection

Automated inspection machine for multiple passive optical component types, delivering 3 σ ≤ 0.1 μ m repeatability for consistent measurement results.

Value Proposition

Scalable Optical Component Production

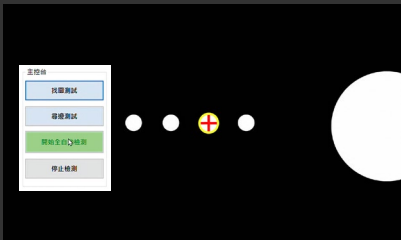
Supports FAU, FA, V-Groove, and MT/MMC Ferrule inspection across multiple channel configurations, with batch inspection and one-click automation to improve production efficiency and quality control.

[Request a Quote](#)

Product SPEC

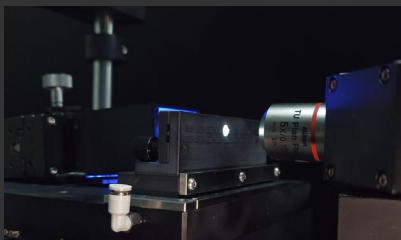
Demission (inch)	76.4 (L) x 33.5 (W) x 68.2(H)	CCD	4508 x 4098 Pixels
Weight	970 Lb	PC System	Windows 11
Measurement Subject	FAU, Fiber Array, V-Groove, MT/MMC	Measurement Time	1 – 2 sec/1 core, 1 groove
Image measurement repeatability	3 σ ≤ 0.1 μ m	Auto X,Y,Z stage	X-axis: 100mm, Y-axis : 12mm, Z-axis: 40mm

Core Capabilities



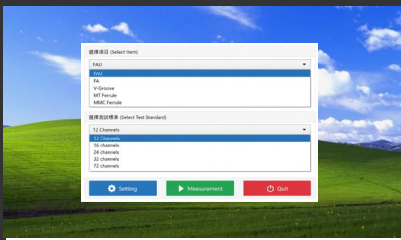
Auto-Focus & Measure

Fully automated operation from load to result, eliminating operator dependency.



Batch Loading Inspection

Supports batch loading of up to 20 MT/MMC Ferrules to improve inspection efficiency for mass production.



Selectable Items & Channels Menu

Selectable component types and channel configurations, with a max. inspection area of 100 x 8 mm.