Fiber Auto Inspection System
FAIS

Partnership with |=|•| **HM SOLUTION CO.,LTD**

FAIS (Fiber Auto Inspection System)

This is an automated inspection system that can perform the inspection by the polishing holders after polished passive elements such as ferrules, and optical connectors/cables. It's providing innovative efficiency for the manufacturers and their production of optical passive components/devices.

KEY FEATURES

- Providing 4 types of automation
  (Auto-Position, Auto-Center, Auto-Focus, Auto-Inspection)
- Fast and constant inspection by IEC standards
- End face inspection of connectors while mounted on polishing holder
- Rotator mount for MT ferrule polishing holder (Future development)
- Intuitive distinguish pass/fail result (Graphic indicator)
- Enables data management (Reporting, Statistics)
- Barcode scanning for automation (Action on Scan option) inspection
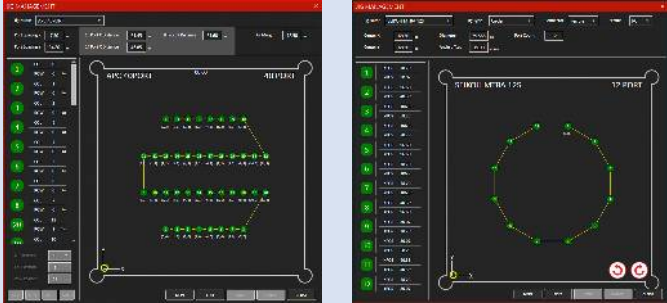- Support central data collection

APPLICATIONS

- Pre-inspection after polished connectors at the manufacturer
- Final inspection of Passive components & assembly
- Detecting Scratch, Pit, Contamination on connector end face
- Management of polishing holders quality

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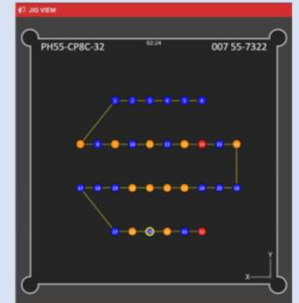
FAIS data sheet

POLISHING HOLDER MANAGEMENT

- Support all types of polishing holders layout
- Store data with S/N of each polishing holder
- Easy import/export polishing holder profiles

PERFORMANCE

- Less than 6sec per port for Inspection (Positioning, Auto Focusing and Save a result)
- Inspection Profile according to IEC (Create/Edit/Delete)
- Allow Full inspection and Single inspection

■ GENERAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Dimension (mm)	320 x 320 x 300
Weight (kg)	Approx. 15.00
Operational Temp (°C) / Hum (%)	-10 to 50 / 5% to 95%, relative, non-condensing
Storage Temp (°C) / Hum (%)	-15 to 65 / 5% to 95%, relative, non-condensing
Power Input	24VDC via AC/DC Adaptor, (AC Input: 100 to 240VAC)

■ TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Inspection Area (X, Y)	130mm x 130mm (depending on the type of mount)
Method of Focus	Liquid Lens
Max Focusable Distance	< 1.00 mm
Inspection Duration	Min. 3 minutes @ 40 ports (depending on the type of products)
FOV (Field of View)	Depending on Objectives
Min. Resolution	7.94um@X/Y Axis, 3.18um@Z Axis
Focusing Time	Typically, <2sec
Holder (Products) Profiles	Acceptable all types of polishing Holder

■ ORDERING INFORMATION

PART NO	DESCRIPTIONS
FAIS-01-00 [1]	Fiber Auto Inspection System with Inspection only Included Square shape mount, 24VDC AC/DC Adaptor, USB3.0 Cable, Installation USB memory stick

(1) Requires, External PC or Laptop for operation (Windows Based)

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Ver. E1.0