

The IS-5-M is an Optical Inspection and yield monitoring system used after die attach or wire bonding process. The system mainly consists of a highly reliable and fully programmable magazine handler mounted on manually operated XY Table, an inspection Microscope or CCTV with illuminator and color monitor displays. The Indexing system is 100% reliable with sensors to fully protect the devices during indexing. The system can be used for 100% or QC sampling inspection with user defined sampling modes, and provide statistical reports of inspection data.



Desktop model



Floor Standing model



## Main Feature:

- Fully programmable Indexing System with side Gripper
- 100% Indexing Reliability
- Capability to handle thin, wide & long strips
- User friendly Joystick to manipulate XY Table
- User programmable defects classifications
- User programmable inspection modes
- Data Collection for production and quality control
- Online Process Control and Yield Monitoring
- High quality & resolution zoom Microscope / CCTV
- Live display of image and Map
- Networking ready for factory and process automation
- Ergonomic design with small foot print

## Capabilities and Specifications:

### - Handling System

Strip / Frame Size	
Length	4.0" - 12.0" (100 - 300 mm)
Width	0.6" - 4.0" (15 - 100 mm)
Thickness	0.004" - 0.030" (0.10 - 0.80 mm) - Standard 0.030" - 0.080" (0.80 - 2.00 mm) - Optional

### Magazine

Length	4.0" - 12.4" (100 - 315 mm)
Width	0.8" - 4.2" (10 - 106 mm)

### Elevator

Z-Travel	0 - 6" (0 - 150 mm) Standard 0 - 8" (0 - 200 mm) Optional
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### Indexer

Indexing method	by programmable side gripper
Track Width	programmable
Indexing Accuracy	+/- 0.002" (50 um)

### - XY Table

XY Travels	3" x 4" (76 x 100 mm)
Accuracy	0.001" (25 um)

### - User Interface

Display Screen	19" Color LCD
Input Device	22-key Keypad F1-F4 Quick Access Keypad Joystick Manipulator, PC Trackball

### - Operating Platform

Windows-XP  
Graphical User Interface

### - Utility, Size and Weight

Power	220V/110V, 500 Watts
Compressed Air	70 PSI (5 Bar), 0.4 CFM
Dimension	970mm(W)x760mm(D)x1270mm(H) (Floor Standing) 970mm(W)x760mm(D)x650mm(H) (Desktop)
Weight	250 Kg (Floor Standing) 150Kg (Desktop)

## Accessories & Options:

### - Microscopes / CCTV

- Stereo Zoom Microscopes
- High resolution color CCTV
- 45 Degree Rotary Oblique View Attachment with LED Dome Lighting

### - Reject identification device

- Ink Marker
- Puncher / Scriber
- Wire Breaker



GUI Display of Menu and Map



Lead Puncher / Bottom Scriber



Rotary Oblique View Attachment

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