

3rd Optical Inspection

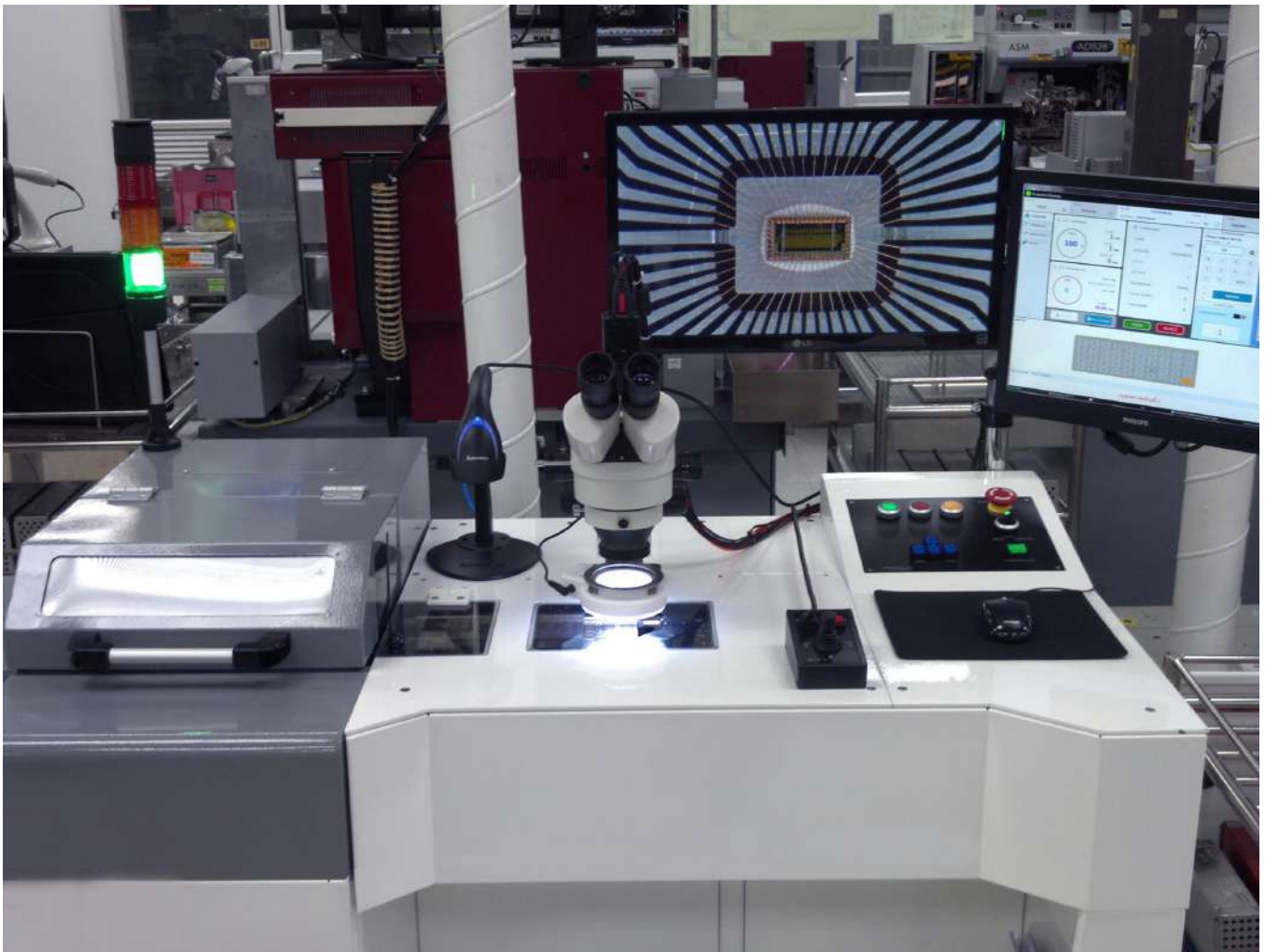
3rd Optical Inspection

The 3rd Optical Inspection System is an Automatic lead frame and Substrate Handling system for inspection purposes. The system consists of a magazine loader, Programmable track width and programmable gripper track on a Y-table.

Software Simple Mode interface allows quick setup and operation while Advanced Mode Interface provides advanced parameters that allow complicated inspection path pattern setup.

The material transfer flow is designed in such to minimize handling time and ensuring delicate handling of Lead frame and Substrate. Ergonomic design offers great to operator.

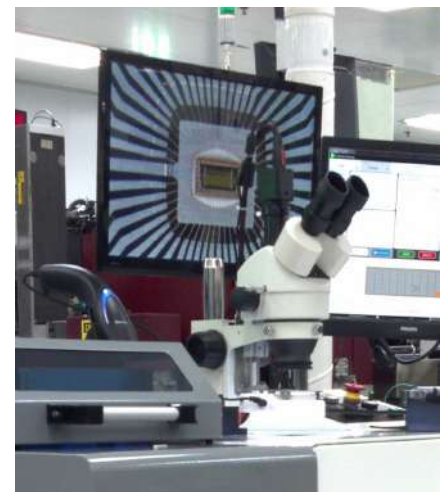
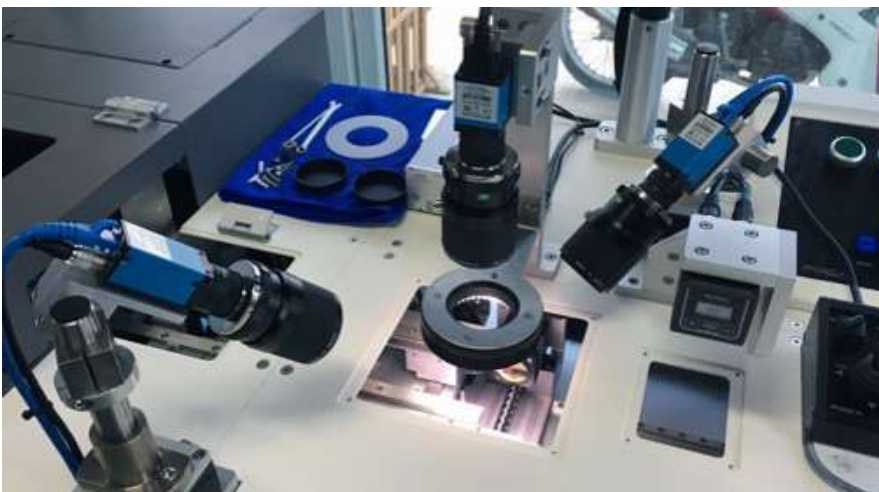
Optional integrated camera can be used for pattern identification, 2D or Barcode Reading and comes with integrated networking mapping capabilities.



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Features

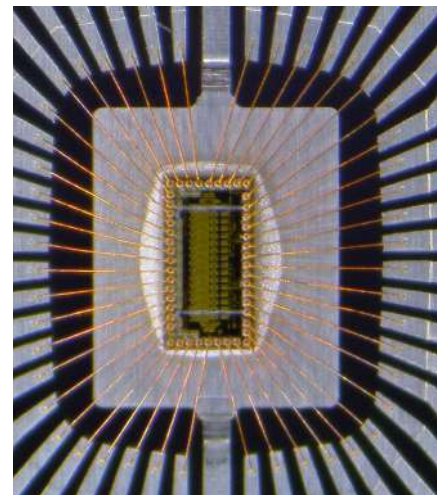
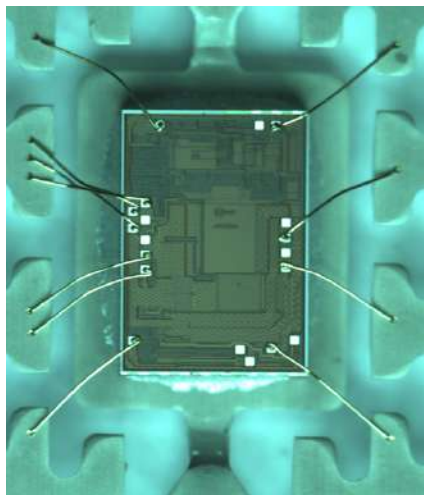
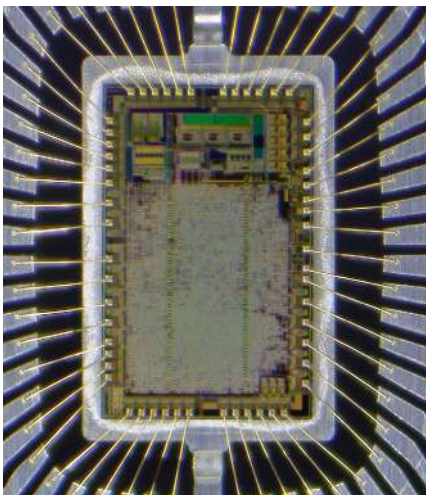
- Hands free of lead-frame handling and can inspect matrix LF by visual.
- Top view Inspection 2 optional via Microscope and via CCD camera.
- Fully automated conversion and can programmable lead-frame handling system that consists of Cassette elevator, motorized LF pusher and gripper transfer and track width adjustable etc.
- Lead frames coverage inspection of SO, DIP, (T)SSOP and QFN.
- Jam-frame elimination design with precious mechanical, force sensor detection and smooth motion control of high precision position.
- Force sensor detection in module of Pusher and Puller to prevent lead-frame damage.
- Production recipe management system.
- Human error proof with cassette cover mishandling detection.
- Design friendly perform to destroy rejected unit for completely defect.
- Compact machine and ergonomic design offers comfort working to operator.
- Laser pointer to identify the defect unit (optional).
- Sec-Gems interface and E-mapping system (optional).



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Specifications

Handling System	Lead frame / Substrate	
	Length	179 mm to 270 mm
	Width	40 mm to 70 mm
	Thickness	0.1 mm to 0.5 mm
Magazine	Length	190 mm to 280 mm
	Width	52 mm to 85 mm
	Height	Max. 118 mm
Indexer	Travel Area (X x Y)	300 x 130 mm
	Travel Accuracy	± 5 micron
User Interface	Workstation	Compatible Pentium PC; 17" and 22" LCD Monitor
	Networking	RS232 via TCP/IP; Upgradeable to SECS/GEM
Control System	Control Device	Micro-Stepper Motor ; Hybrid Axis Controller
Software	Operating System	Microsoft Windows 7
	User Interface	FV2000P UI *****
Optical Device	Microscope	Zoom Stereo Microscope complete with CCD Camera system
	Illuminator	LED Ring Illuminator
Optional Item	Strip-Mapping MS	Upgradeable for Strip-Mapping Management System
	2D Matrix Reader Interface	Upgradeable for Strip-Mapping Management System
	Barcode Reader Interface	Ready barcode reader interface
Physical and Facilities	Dimension (L x W x H)	1450 mm x 750 mm x 1000 mm
	Weight	150 Kg.
	Power Supply	230Vac ± 10% 50/60Hz Single Phase
	Compressed Air	4-5 Bar



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