

TROI-8800 CI SERIES

Conformal Coating Inspection System

Coating Inline Inspection & Thickness Inspection



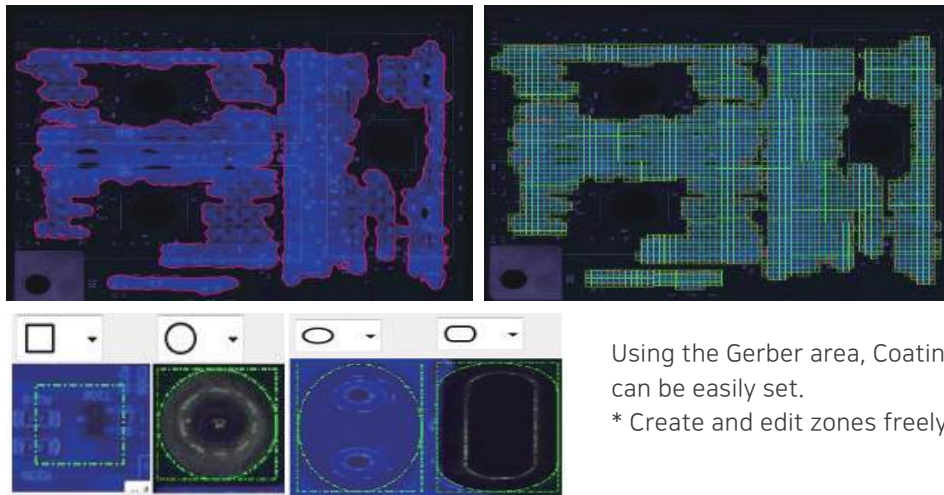
TECHNOLOGY AND FEATURES

Advanced High Speed Inspection and Measurement Technology

COATING INLINE INSPECTION

Auto Teaching & Debug & Multi Part Registration Available

- Automatically create programs using Pemtron's specialized Auto Teaching capabilities.
- Debug Mode automatically provides user convenience with inspection criteria.
- Manual Mode provides user intuitive UI screen which can easily set detailed setting.

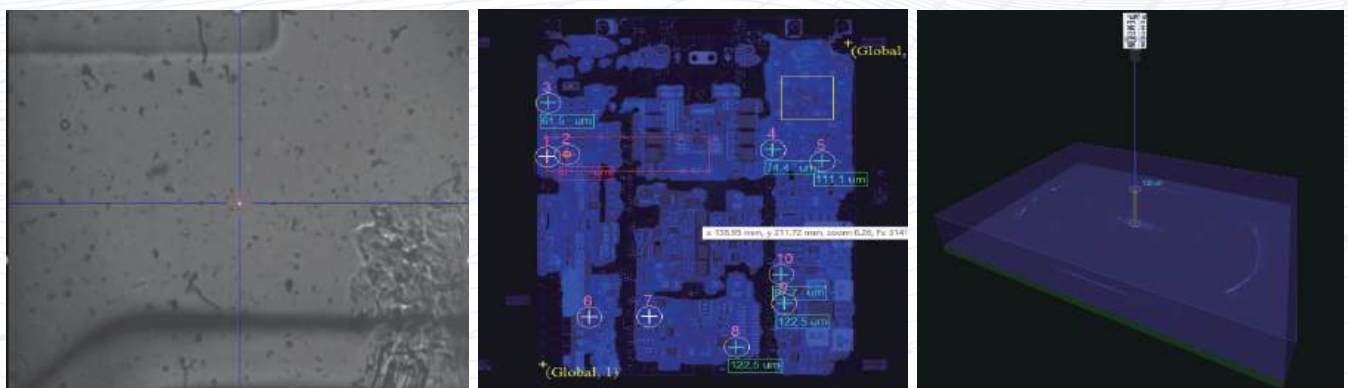


Using the Gerber area, Coating, Non-Coating, Ignore, etc. can be easily set.

* Create and edit zones freely without Gerber)

THICKNESS INSPECTION

Can measure coating thickness of submicron unit precision using light wavelength spectroscopy.



SIDE CAMERA INSPECTION

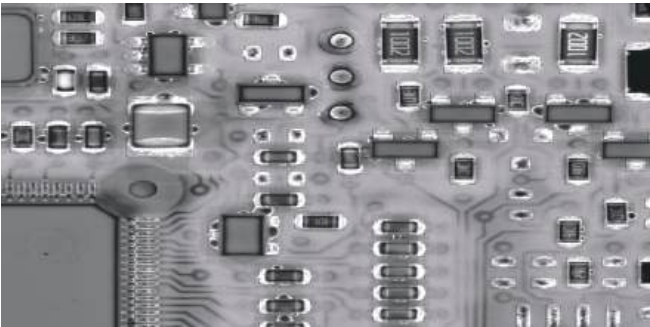
- 4-Way Side Camera
- Side inspection not visible on Top side camera.



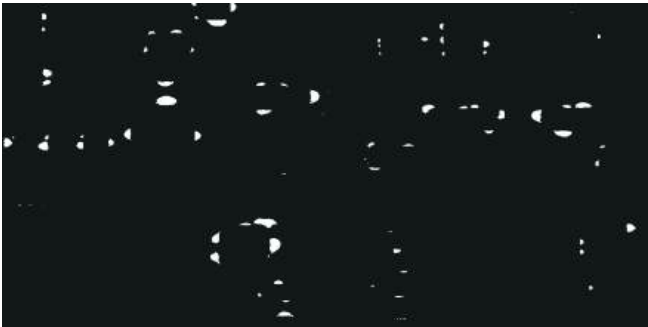


BUBBLE INSPECTION (AI DEEP LEARNING)

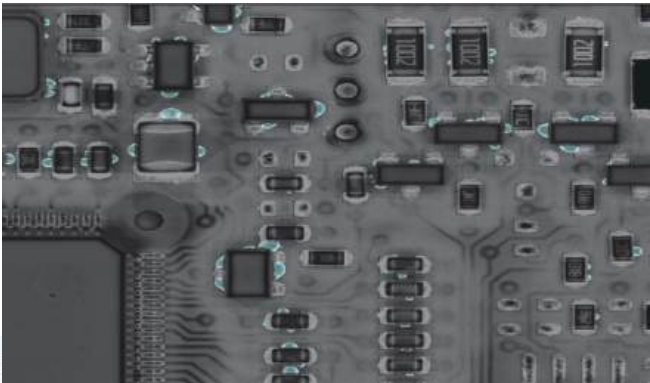
Applied Pemtron's self-developed AI engine Pembrain.
Inspection of Bubble inside the coating.



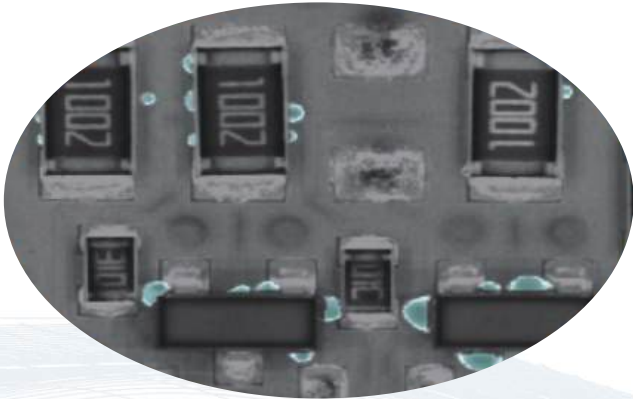
Bubble Inspection



Binary Processing



Inspection Result



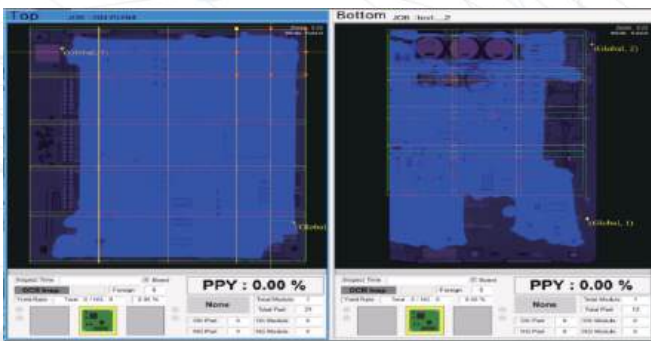
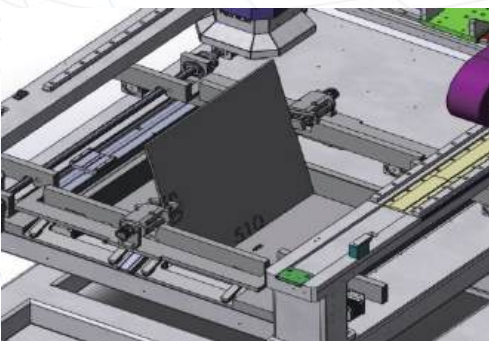
*Bubbles are displayed in separate colors

LINKAGE

Linkage among Pemtron SPI - AOI - CI, ETC
Remote control and real-time history verification through SMARTRON™ function.

BOTH SIDES INSPECTION USING REVERSE MODULE

Automatically and quickly check both sides of the PCB by providing a reverse option inside the facility.



SPECIFICATIONS

Model		TROI-8800 CI					
Camera		4MP			10MP		
X/Y Pixel Resolution		10um	15um	18um	10um	15um	18um
FOV (Field Of View)		20×20mm	30×30mm	36×36m	32×30mm	49×45mm	59×54mm
Inspect Speed		16cm/s	36cm/s	53.5cm/s	32cm/s	72cm/s	102.6cm/s
Lens Type		Telecentric					
Board Dimension							
PCB Specification	Working Area	Min. 50 x 50mm (2 x 2inch) Max. 470 x 510mm (19 x 20inch)					
	Coating Thickness Measure (Option)	Min. 50 x 50mm (2 x 2inch) Max. 400 x 380mm (16 x 15inch)					
	Thickness	0.4 ~ 7.0mm					
	Top Clearance	80mm					
	Bottom Clearance	80mm					
System							
Installation Requirement	Electrical Requirements	200-240VAC, 50/60Hz					
	Air Requirement	5 Kg/ cm					
	Power Consumption Standard type	2.4kW (10A Max @ 220V AC)					
Control Unit	Control Method	PC Based Control (Windows 10, 64bit)					
	Monitor	24" LED Panel					
Operating	Operating Temperature	20 - 30 °C (68 – 86 °F)					
Dimension (W x D x H)		1100 × 1290 × 1550mm (43 x 51 x 61inch)					
Weight		850kg (1874lb)					

* Specifications subject to change without notice.



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