

TROI-8800 CI SERIES

Conformal Coating Inspection System

Coating Inline Inspection & Thickness Inspection



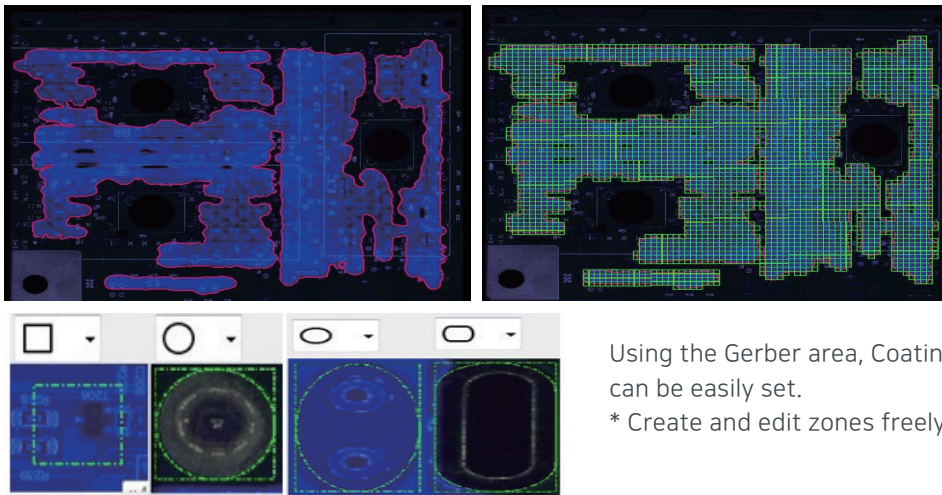
TECHNOLOGY AND FEATURES

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.

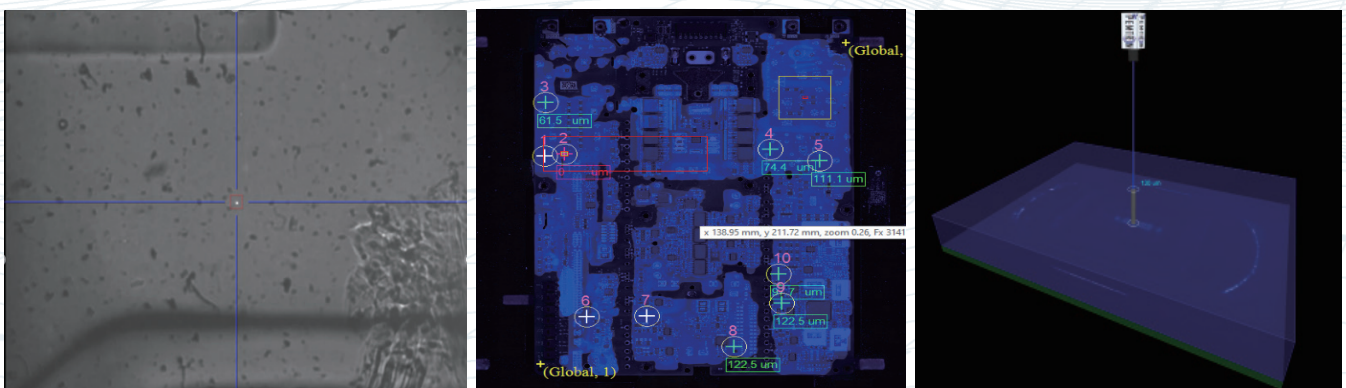


Using the Gerber area, Coating, Non-Coating, Ignore, etc. can be easily set.

* Create and edit zones freely without Gerber)

THICKNESS INSPECTION

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



SIDE CAMERA INSPECTION

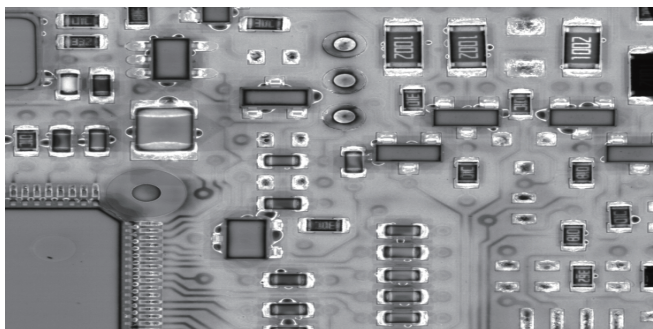
- 4-Way Side Camera
- Side inspection not visible on Top side camera.



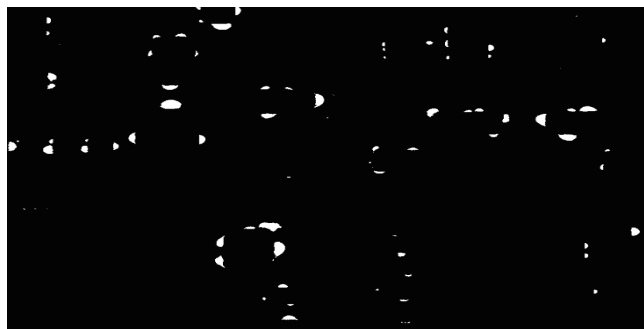


BUBBLE INSPECTION (AI DEEP LEARNING)

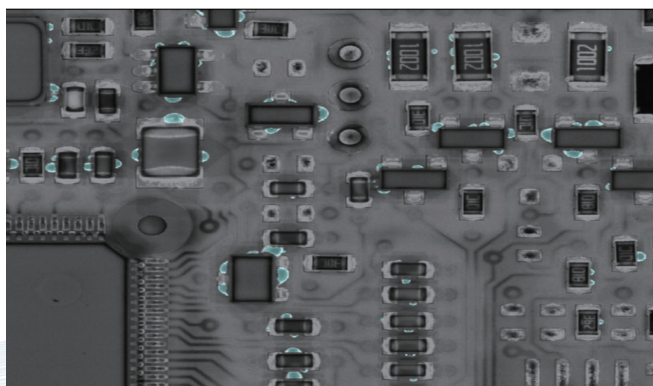
Applied Pemtron's self-developed AI engine Pembrain.
Inspection of Bubble inside the coating.



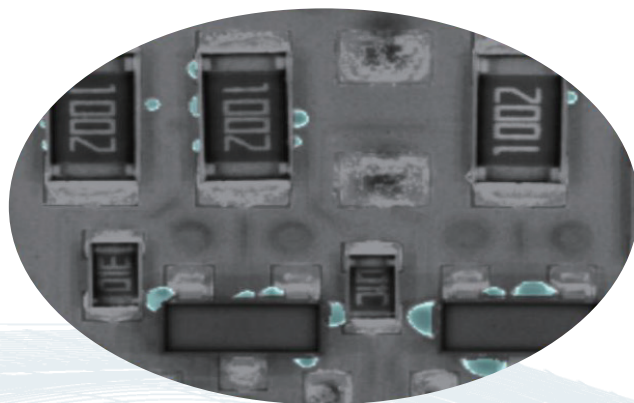
Bubble Inspection



Binary Processing



Inspection Result



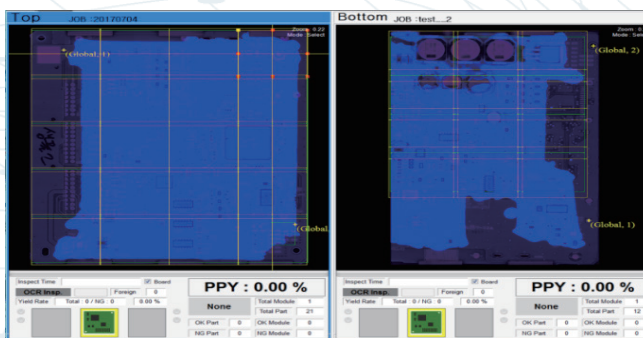
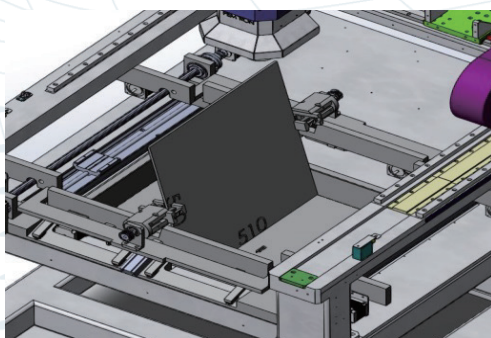
*Bubbles are displayed in separate colors

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.



PEMTRON CORPORATION

#1406, (Byucksan Digital Valley VI,
Gasan-Dong) 219, Gasan digital 1-ro,
Geumcheon-gu, Seoul, KOREA. 08501
Tel: +82-2-1833-5220
Fax: +82-2-2627-3770
sales@pemtron.com

PEMTRON TECHNOLOGY, CORP

15111 S. Figueroa St.,
Gardena, CA 90248
Tel: +1-800-850-8764(TROI)
steve.wong@pemtron.com

PEMTRON EUROPE GmbH

Kapellenstrasse 11
85622 Feldkirchen bei Munchen
Tel: +49-89-877-688-42
mvielsack@pemtron.com

PEMTRON TECHNOLOGY MEXICO,

S de RL de CV

Nicolas Bravo #3647,
Col. Miguel de la Madrid,
Zapopan, Jalisco, Mexico, 45239
Tel: +52-33-2733-9111
jaime.arreola@pemtron.com

PEMTRON TECHNOLOGIES CO.,LTD (SUZHOU)

Rm I&J, Level 6Th, Unit 15/16, Building A,
No.5 Xing Han Street, Suzhou, P.R CHINA
Tel: +86-755-2165-9772
tao@pemtron.com

PEMTRON TECHNOLOGIES CO.,LTD (SHENZHEN)

F Zone, 4th Floor, Building 1,
Baisha Industry Park,
Nanshan District, Shenzhen, P.R China
Tel: +86-755-2165-9772
tao@pemtron.com

PEMTRON TECHNOLOGIES ASIA PTE LIMITED

FLAT/RM 1704 17/F SINGGA COMMERCIAL CENTER
144-151 CONNAUGHT ROAD WEST SAI YING PUN HK
Tel: +852-3590-5175
tao@pemtron.com

PEMTRON VINA CO.,LTD

Lot A31-A32, V2 Building, Home City Apartment,
Trung Kinh Street, Cau Giay District, Hanoi
Tel: +84-86-584-0329
+82-2-2160-5011
wjink09@pemtron.com

PEMTRON SE ASIA SDN.BHD.

No.44-G Persiaran Bayan Bay, 11900 Bayan Baru,
Pulau Pinang, Malaysia.
Tel: +60-12-418-3314
zack@pemtron.com