

# EAGLE 3D 8800 TWIN

3D Automated Optical Inspection system

Top/Bottom Double Sided simultaneous inspection

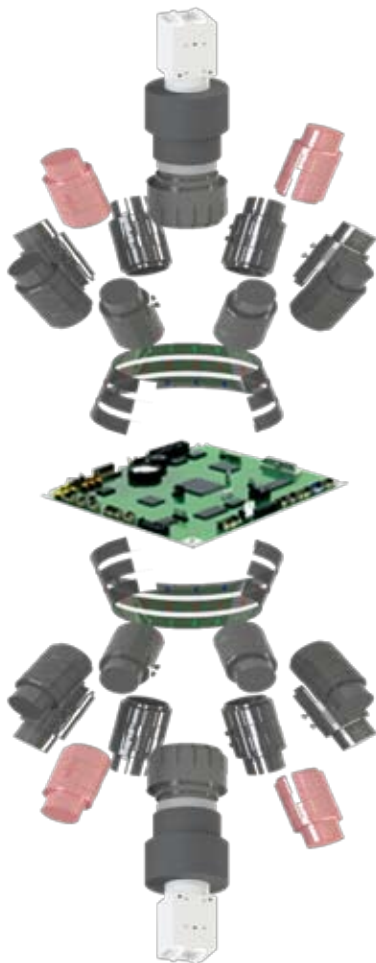


# EAGLE 3D AOI 8800 TWIN Series

PEMTRON's advanced leading edge technology doubled in one system

## Technology and Features

- Simultaneous Top / Bottom double sided Inspection
- No time loss
- Full performance Full speed
- Multi-configurable
  - AOI + AOI / AOI + THT / THT + AOI / THT + THT

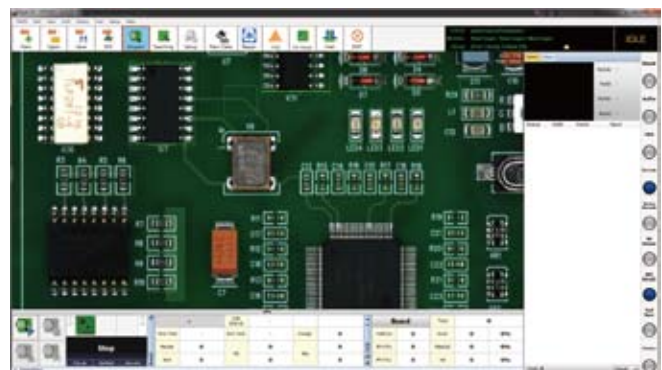


Top & Bottom Camera Head Gantry Type

- Advanced High Speed Inspection and Measurement Technology
  - 8 way / 10 way Projection + 3 Stage RGB
  - 3D simultaneous algorithm
  - Telecentric Lens for optimal accuracy
- Lean & Efficient full line control capability
- Proven world best 3D imaging quality
- Absolute world most innovative & flexible solutions
- Unique 3D technology not possible anywhere else
- 4-Way Side Camera (Option)
  - Possible to detect Connector inside area
  - Convenient Teaching by using existing Algorithm.

## Simple & Intuitive User Interface

Same UI configuration of AOI allows existing users to use easily  
Simultaneously display of all results of both sides.  
Both the TOP / BOTTOM can set AOI and TH inspection.

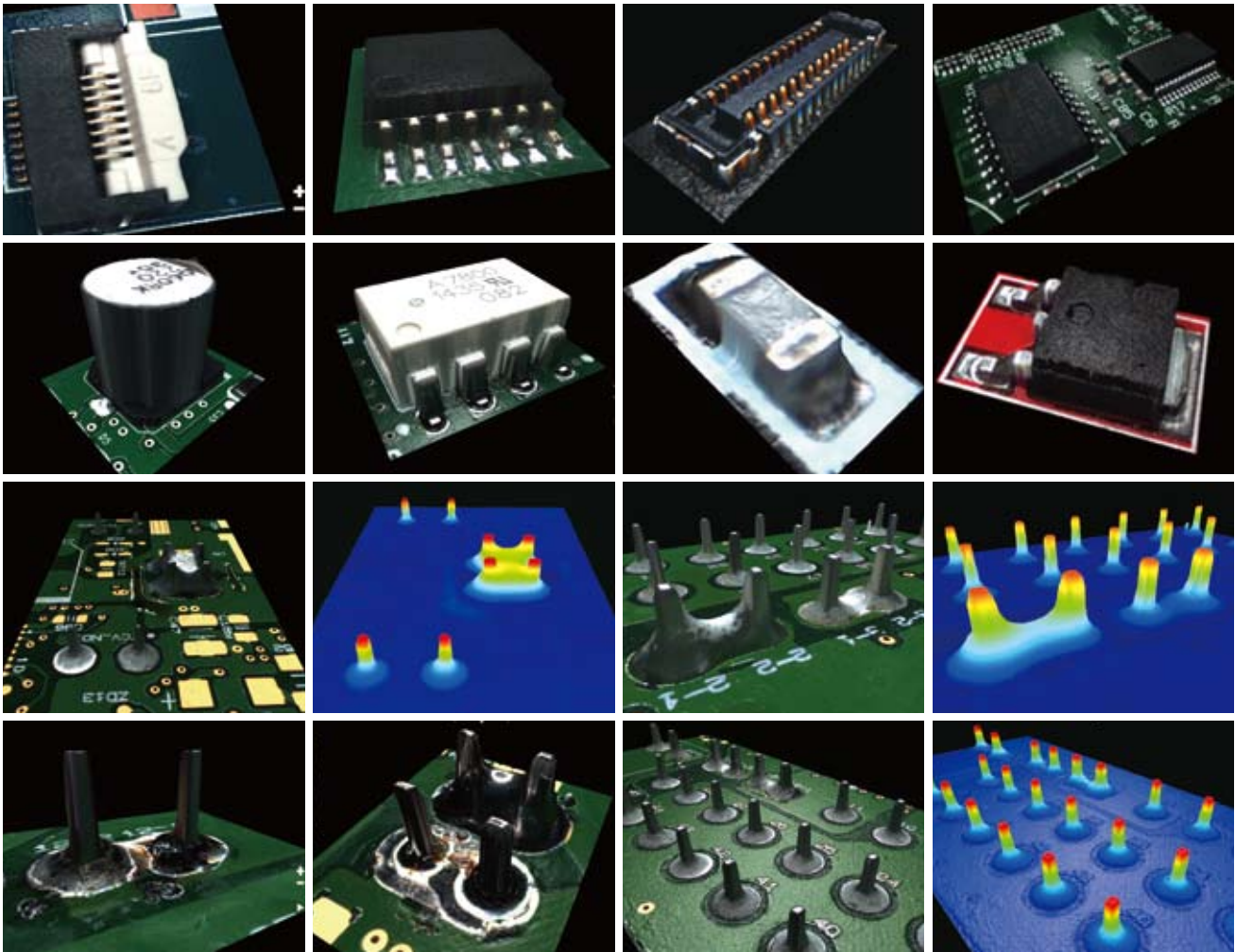


## Accurate defect position and Clear image

Best available 3D Images – “This is the best”

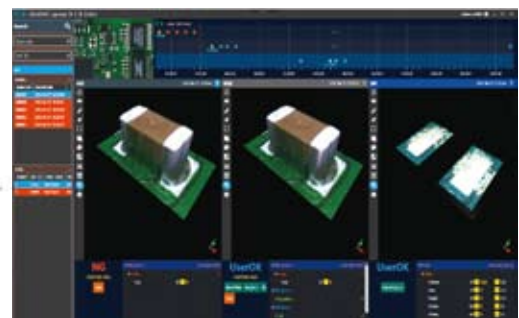
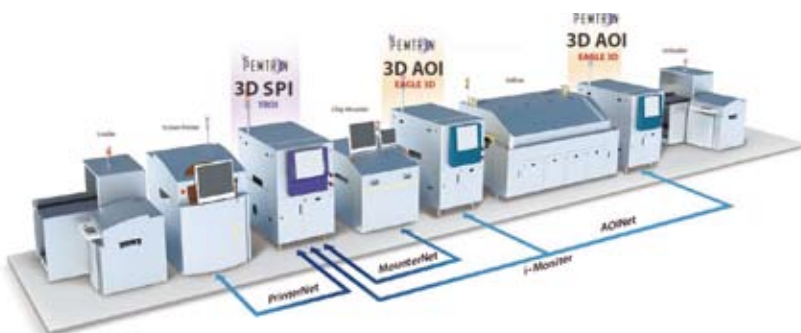
1µm height resolution – always crisp and clear

No limit to component x,y size – Seamless & fast acquisition



## Real Time Process and Quality Control Solutions

Inspection Result Information Auto Sync.



- TROI SPI & EAGLE 3D AOI closed loop function - Real time defect confirm

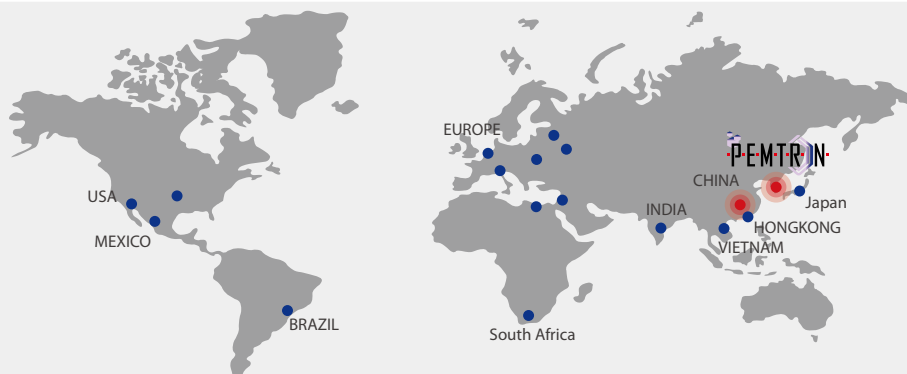
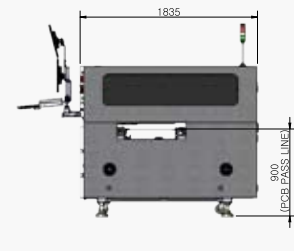
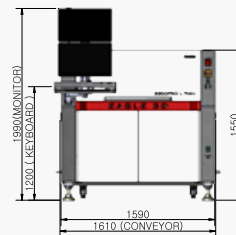
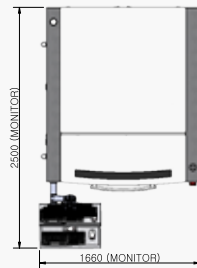
# EAGLE 3D 8800 TWIN

## SPECIFICATIONS

Model	EAGLE 3D - 8800 TWIN			EAGLE 3D - 8800 TWIN PRO
Camera	10MP			12MP
X/Y Pixel Resolution	10um	15um	18um	15um
Inspect Speed	19.2 cm <sup>2</sup> / sec	43.2 cm <sup>2</sup> / sec	61.5 cm <sup>2</sup> / sec	54 cm <sup>2</sup> / sec
FOV (Field Of View)	32 x 30mm	48 x 45mm	57 x 54mm	45 x 60mm
Height Range	0 – 5.5mm (option 27mm)			
Height Accuracy	± 3%			
Max. PCB Warpage	± 3mm			
Motor Type	XY Linear Servo Motor			
PCB Specification	Inspection Size	Min. 50 x 50mm (2 x 2 inch)		
	Thickness	Max. 510 x 510mm (20 x 20 inch)		
	Top Clearance	0.4 ~ 7.0mm		
	Bottom Clearance	50mm		
Electrical requirements	220 ~ 240Vac, 1Phase, 50/60Hz			
Power Consumption	5.9kW / 27Amp			
Machine Dimension	W x D X H / Weight	1660x2500x1990mm / 1650kg		

\* Specifications subject to change without notice.

## DIMENSION



**PEMTRON CORPORATION**  
 #1406, (Byuksan Digital Valley VI,  
 Gasan-Dong) 219, Gasan digital 1-ro,  
 Geumcheon-gu, Seoul, korea. 08501  
 Tel: +82 2 2160 5000  
 Fax: +82 2 2627 3770  
 sales@pemtron.com

**PEMTRON TECHNOLOGY,CORP**  
 3450 Wilshire Blvd., Ste 108-73 LosAngeles,  
 CA 900100-2208  
 Tel: +1 800 850 8764(TROI)  
 steve.wong@pemtron.com

**PEMTRON EUROPE GMBH**  
 Kronstadterstrasse 4, 81677 Munich / Germany  
 Tel: +49 89 20 80 26 96 5  
 spark@pemtron.com

**PEMTRON MEXICO**  
 Av. Mariano Otero 1917 Local A-5,  
 Residencial Victoria, Guadalajara, Jalisco,  
 Mexico C.P. 44560  
 Tel: +52 333 157 0636  
 jaime.arreola@pemtron.com

**PEMTRON TECHNOLOGIES ASIA PTE LIMITED**  
 Flat/Rm 1003, 10F Office Twr Hutchson  
 Logistics Ctr 18 Container Port Rd South,  
 Kwai Chung, HK  
 Tel: +852 3665 6245  
 kevin@pemtron.com

**PEMTRON(ShenZhen) TECHNOLOGY Co.,Ltd**  
 RM 508, A2 Build, Pei Hong Industry Park,  
 No.1 Ke Hui Road. Middle Zone, High-New  
 Science & Technology Park, Nanshan District,  
 Shenzhen. P.R.China  
 Tel: +86 138 2881 1057  
 tao@pemtron.com