

EAGLE 3D 8800 TWIN

3D Automated Optical Inspection system
Top/Bottom Double Sided Simultaneous Inspection



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TECHNOLOGY AND FEATURES

Based on advanced technology, EAGLE 3D 8800 TWIN minimizes errors caused by shadow effects by applying 12-way and 16-way projection including 8-way projection for 3D measurement to all models and simultaneously performs 100% 2D & 3D inspection in all FOV areas. Thus makes it possible to achieve a near-perfect detection while significantly reducing false calls.

PEMTRON's new head type has been upgraded to express real images based on the Phase Measuring Profilometry Technology accumulated over decades in the existing head.

Simple Head Configuration

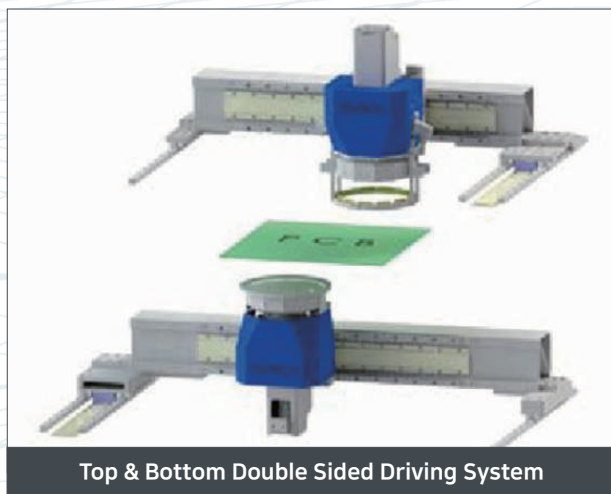
- ▶ Large space and convenient maintenance, simple assembly and setup

Advanced 3D Technology

- ▶ Stable and accurate 3D realization by installing additional projectors
- ▶ 3D formation of high-density components and narrow space parts
- ▶ 3D image formation identical to a real image
- ▶ Inspect even tall parts clearly using top side Z-axis

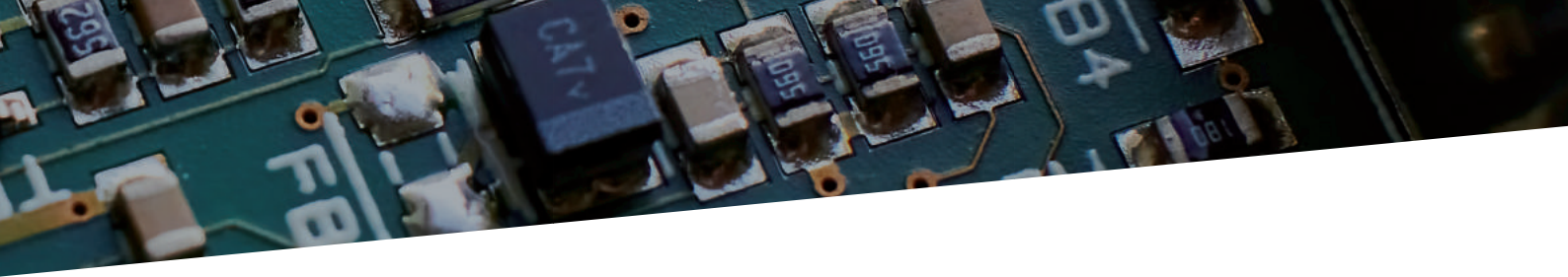
Improved Repeatability

- ▶ Accurate 3D makes repeat accuracy more reliable



Top & Bottom Double Sided Driving System

- ▶ Top/Bottom Double Sided Simultaneous Inspection
- ▶ Reduction Of Time Loss
- ▶ Full Performance, Full Speed
- ▶ Multi Configuration
 - AOI + AOI / AOI + THT /
 - THT + AOI / THT + THT



ACCURATE DEFECT JUDGEMENT & CLEAR IMAGE

"Best detection capability" for the best 3D images

1µm resolution height detection - always clear and best accuracy

Component size X. Unlimited Y input - uninterrupted high-speed image acquisition



SMARTRON

Factory Optimization Solution
System RMS / Alarm / SPC / Job & Library management

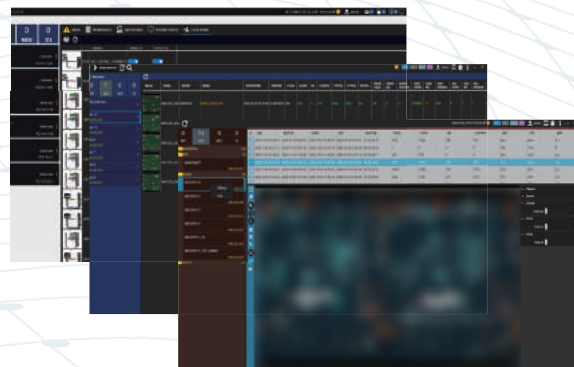


Real-time Line Monitoring and Control
- RMS (Remote Monitoring System)
- Registered System status

Data Analytics and Reporting
- Yield / CpCpk / Job & Part analysis etc.
- Statistical Chart / Process Chart / Alarm History

Quality Management Solution
- Multiple line & systems maintenance management

Job & Library management
- Optimizing based on classified result data



SPECIFICATIONS

Model		EAGLE 3D-8800 TWIN		
Camera		10MP		12MP
Resolution		10um	15um	15um
Inspection Speed		19.2 cm ² /sec	43.2 cm ² /sec	52.65 cm ² /sec
FOV (Field Of View)		30 x 30 mm	45 x 45 mm	45 x 60 mm
Height Range		0 – 5.5mm(option 27mm)15um		
Motor Type		XY Linear Servo Motor		
Model		EAGLE 3D-8800 TWIN		EAGLE 3D-8800 TWIN L
PCB Specification	Inspection Size	Max. PCB Size	330 x 330mm(13 x 13 inch)	
		Min. PCB Size	50 x 50mm (2 x 2 inch)	
	Thickness		0.4 ~ 7.0mm	
	Top Clearance		50mm	
	Bottom Clearance		50mm	
Electrical Requirements		200~240Vac, 1Phase, 50/60Hz		
Power Consumption		7kW (20A Max @ 220V AC)		
Dimension (W x D x H)		1610 x 1835 x 1550mm (63 x 72 x 61inch)		
Weight		1940kg (4277lb)		

* 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 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 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 TECHNOLOGY,CORP
 15111 S. Figueroa St.,
 Gardena, CA 90248
 Tel: +1-800-850-8764(TROI)
 steve.wong@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 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 EUROPE GmbH
 Kapellenstrasse 11
 85622 Feldkirchen bei Munchen
 Tel: +49-89-877-688-42
 mvielsack@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 SE ASIA SDN.BHD.
 No.44-G Persiaran Bayan Bay, 11900 Bayan Baru,
 Pulau Pinang, Malaysia.
 Tel: +60-12-418-3314
 zack@pemtron.com