

EAGLE 3D 8800 TH Series

Through Hole 3D AOI System
Bottom Side Head 3D AOI



EAGLE 3D 8800TH Series

Advanced High Speed Inspection and Measurement Technology

Shadowless Phase Measuring Profilometry

EAGLES 8 Projector 3D AOI inspects 100% of the PCB in 2D and 3D. Combining the 2 technologies gives a complete optical inspection of a PCB shadow free and low false calls maintaining a high flexibility in system functionality.

Moiré Technology

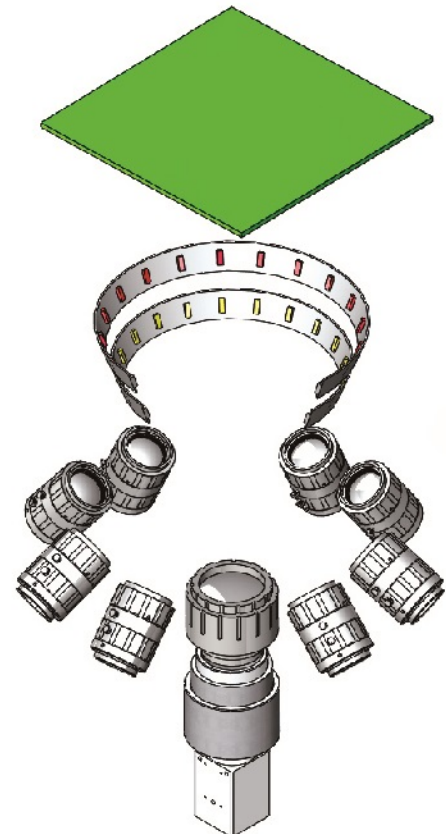


Over 10 years of integrating Phase Measuring Profilometry Technology into our TROI Solder Paste Inspection Systems has proven the most advanced 3D technology available.

- 8 Projection + Two stage lighting
- 2D and 3D simultaneous inspection algorithms
- Telecentric Lens offers higher accuracy and detection
- High Speed CPU and Image Processing
- User Friendly Graphical Interface
- Built in Library Management System
- Offline Real Time Debug Station (Optional)

High Speed Inspection Technology

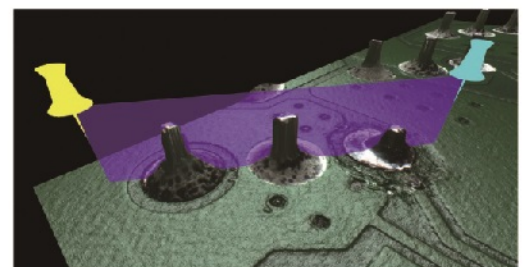
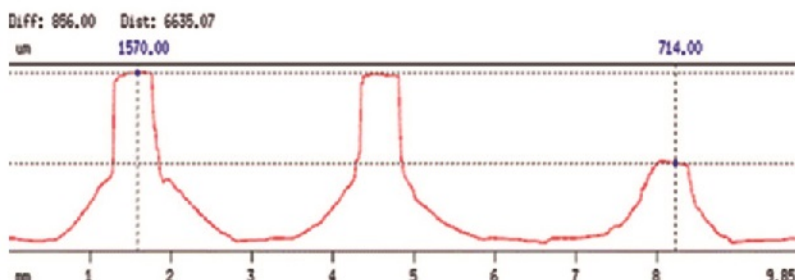
EAGLES High Speed Option inspects in 40.5cm²/sec by utilizing an advanced network of more robust CPU, controller boards and our proprietary developed 9MP 15um 150fps camera with telecentric lens.



Bottom Side Camera Head

Profiling height of Pin

Realistic 3D image with profiling the Pin height



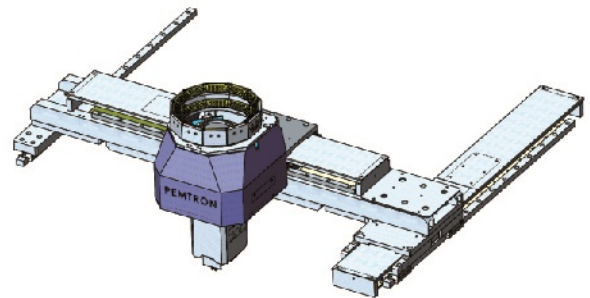
World First TH 3D AOI

Bottom Camera Head Gantry Type Movement

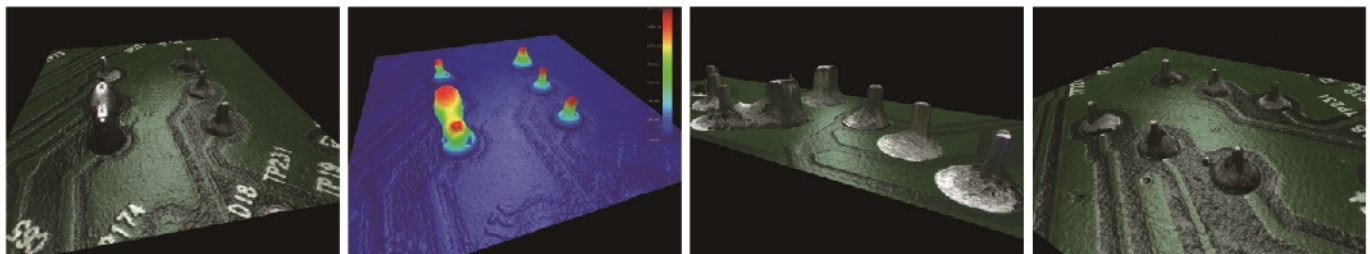
PENTRON TH 3D AOI is the first system in the world which has bottom camera head for inline inspection.

Gantry is a type of structure which allows the movement of the camera head to shift into X/Y direction without moving the conveyor.

it provides a highly stable and precise



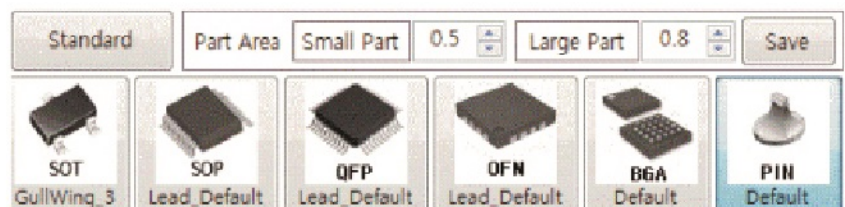
Accurate defect detection with enhanced Full 3D



Ease of programming(Auto Teach Function)

■ PIN common library

- User friendly Auto Teaching
- Advanced 3D imaging technology allows us to measure and recognize the geometric shapes of PCB components and automatically link them to our built parts library



■ Special Algorithm for PIN

- User can create program with not only diverse type of existing algorithms, but TH system has special algorithm as right side.

