

UPKTECH Technology Limited

Room 207, Building 2, No. 5, Yangchong Industrial Zone,

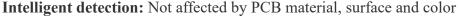
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Xceed - PARMI Laser Inline 3D AOI Used / New

I. Description:

3D AOI Sensor Head (TRSC-I)

- High Speed CMOS Camera (4Mega-pixel) with Dual Laser Technology
- RGB LED Lights
- Telecentric Lens
- Light Weight, Compact Sensor Head Design
- Industry Leading Inspection Speed: 65 cm2/sec @ 14 x 14um
- Cycle Time: For PCB 260mm x 200mm = 10 seconds including load and unload



- Dark PCB
- White PCB
- Chemical ceramic PCB
- Reflective parts

Real 3D image

• Advanced signal processing technology to show true and clear 3D images without any noise

Barcode and Bad Marker Scan Recognition

• In one inspection, both Barcode and Bad Mark are recognized simultaneously. 1D, 2D, QR Laser Marking, and Printing barcodes are recognizable.

All bad types can be detected

• Dimension, Missing, Misalignment (X/Y/Rotation), Wrong (Body), Side Mount, Tombstone, Text (OCV/OCR), Wrong (Matching), Solder Joint, Lead Offset, Bridge, Color band, Pin, Coplanarity, can be perfectly detected.

II. Specification:

- Equipment Size (W x D x H): 850mm (W) × 1205mm (D) × 1525mm (H)
- Equipment Weight (kg): 750 kg
- Measuring Principle: Shadow Free Dual Laser Optical Triangulation
- Camera System : 4 Mega Pixel
- Light Source: R.G.B.W LED
- Scan Speed (cm2/sec): 65 cm2/sec



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• X-Y Resolution (um): 14 x 14 um

• High Resolution: 0.4 um

• High Repeatability : 36 < 3um/Height

• High Accuracy : < 5um

• Inspection Type: Dimension, Missing, Misalignment (X/Y/Rotation), Wrong (Body), Side Mount, Tombstone, Text (OCV/OCR), Wrong (Matching), Solder Joint, Lead Offset, Bridge, Color band, Pin, Coplanarity

• PCB Warpage : ±5mm (2%)

• Barcode: 1D/2D/QR Barcode Inspection using TRSC-I

• Maximum Component Height: 40mm