



MIRTEC MV-6E OMNI 3D AOI Machine with SPC Software 950KG

Our Product Introduction

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Basic Information

- Place of Origin: Korea
- Brand Name: MIRTEC
- Model Number: MV-6E (OMNI)
- Minimum Order Quantity: 1 PCS
- Price: USD+negotiable+pcs
- Packaging Details: 1180mm*1570mm*1660mm
- Delivery Time: 1-7 days
- Payment Terms: T/T
- Supply Ability: 1+pcs+per days



Product Specification

- Model: MV-6E (OMNI)
- PCB Size: 50mm×50mm~480mm×460mm
- Height Accuracy: ±3um
- Maximum Component Height: 5mm
- 2D Detection Items: Missing Piece, Offset, Skew, Stellation, Side Stand, Turn Over Piece, Polar Reverse, Wrong Piece, Damage, Tin, Virtual Welding, Cavity, OCR
- 3D Detection Items: Missing Parts, Height, Position, More Tin, Less Tin, Missing Welding, Double Chip, Size, IC Foot Virtual Welding, Foreign Matter, Parts Cocking, BGA Cocking, Climbing Tin Detection, Etc
- FOV Field Of View: 58.56mm×58.56mm
- 3D Detection Speed: 0.80 Seconds /FOV/4.260mm²/ Second
- 2D Detection Speed: 0.30 Seconds /FOV/ 10,716 Mm²/ Second
- Lens: Accurate Telecentric Composite Lens



More Images



Product Description

MIRTEC 3D AOI MV-6E OMNI 950KG SPC Complete Statistical Software For Inspection

Key Specifications

Attribute	Value
Model	MV-6E (OMNI)
PCB size	50mm×50mm~480mm×460mm
Height accuracy	±3um
Maximum component height	5mm
FOV field of view	58.56mm×58.56mm
3D detection speed	0.80 seconds /FOV/4.260mm ² / second
2D detection speed	0.30 seconds /FOV/ 10,716 mm ² / second
Weight	950KG

Detection Capabilities

2D Detection: missing piece, offset, skew, stellation, side stand, turn over piece, polar reverse, wrong piece, damage, tin, virtual welding, cavity, OCR

3D Detection: missing parts, height, position, more tin, less tin, missing welding, double chip, size, IC foot virtual welding, foreign matter, parts cocking, BGA cocking, climbing tin detection

Technical Features

- Accurate telecentric composite lens
- 8-segment color lighting system
- Complete statistical software (SPC)
- PCB clearance: 45mm
- PCB thickness: 0.5~5mm
- Minimum measurement size: 03015
- Servo motor positioning system
- Repeatability: ±10um
- DVLP 8-group moorfringe technology

Performance Highlights

- 100% testing capability for all materials on PCB
- Detection of character/screen print on mobile phone glass chips
- Effective inspection of PCBA coated with three anti-coating paint
- 15-megapixel high-resolution camera



The MIRTEC MV-6E(OMNI) is a complete 3D online optical inspection device featuring advanced detection capabilities, high-speed performance, and comprehensive statistical software for quality control in manufacturing processes.

Physical Specifications

Dimensions: 1080mm (W) × 1470mm (D) × 1560mm (H)

Power Supply: 200-240VAC 50Hz/60Hz

Air Source: 5KGf/cm² (0.5Mpa)

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