

## MV-6E Features and Specifications

### Standard Features:

- Intel® Core™ PC w/ Windows 7™ OS, 24" Flat Screen LCD Monitor, HDD, Mouse & Keyboard, Network LAN Card.
- Single Stage High Speed Conveyor System with Programmable Width Control.
- Pre and Post Reflow Inspection Capability.
- Automatic Teaching Software w/ Comprehensive Package Type Library for Simple "Drag and Drop" Programming.
- Local Software: Repair Plus Software, Statistical Process Control (SPC) Software.

### Options:

- SIDE-VIEWER® Camera System - Quantity (4) Ten Mega Pixel Side View Digital Color Cameras (See Specifications).
- INTELLI-SCAN® Laser System - Superior Lifted Lead Detection for Gull Wing Devices; Z-Height Measurement for BGA's
- INTELLI-BEAM® Laser System - Z-Height Measurement Capability for BGA and CSP Devices.
- 2D Bar Code Reader - Gun Type - 2D Bar Code Reading Capability Using Handheld Gun Type Reader.
- 2D Bar Code Reader - Camera Type - 2D Bar Code Reading Capability Using the Top Down Camera System.
- Remote Software (PC Required): Off Line Programming, Remote Repair Plus, Remote SPC, Remote Management.

### System Specifications:

Top-Down View Camera Options	Field Of View	Resolution
10MP ISIS® (3,664 x 2,736) Camera Option 1	49.0mm x 36.6mm (1.93" x 1.44")	10 Mega Pixels @ 13.4 um/pixel
10MP ISIS® (3,664 x 2,736) Camera Option 2	35.9mm x 26.8mm (1.41" x 1.05")	10 Mega Pixels @ 9.8 um/pixel

<b>SIDE-VIEWER® Camera System</b>	Quantity Four - 10 Mega Pixel (3,664 x 2,736) Color Side Angle Cameras
<b>INTELLI-SCAN® Laser Specifications</b>	Z-Height Measurement Accuracy: +/- 10 um Resolution: 1 um / point Inspection Speed: 0.5 sec / point
<b>INTELLI-BEAM® Laser Specifications</b>	Z-Height Measurement Accuracy: +/- 20 um Resolution: 15 um / point Inspection Speed: 0.5 sec / point
<b>Top-Down Camera Lens</b>	Precision Telecentric Compound Lens Design
<b>Top Side Clearance</b>	45mm (1.77")
<b>Bottom Side Clearance</b>	50.8mm (2.0") From Bottom of PCB Surface
<b>Minimum Component Inspection</b>	01005 Chip Component.
<b>Robot Positioning System</b>	Closed Loop AC Servo Drive System
<b>Resolution</b>	1 um (.0000394 in.)
<b>Repeatability</b>	±10 um (± 0.000394 in.)
<b>Maximum Inspection Speed</b>	0.34sec / frame - 5,293 mm <sup>2</sup> / sec (8.204 in <sup>2</sup> / sec)
<b>Power Requirements</b>	Single Phase 208 VAC ± 10%; 50/60 Hertz; 5 Amps
<b>Air Requirements</b>	0.5Kgf / cm <sup>2</sup> (71 PSI)

Model Number	PCB Size Range
MV-6E	50mm x 50mm to 510mm x 460mm (2.0"x2.0" to 20.1" x 18.1")

Model Number	Machine Dimensions
MV-6E	1,080mm W x 1,470mm D x 1,500mm H (42.5" x 57.87" x 59.1")

Model Number	Weight
MV-6E	950 kg (2,094.4 lbs)

