

MV-2GT Features and Specifications

Standard Features:

- Intel® Core™2 Duo PC, 24" Flat Screen LCD Monitor, Windows 7™ OS, HDD, Mouse & Keyboard, Network LAN Card.
- Adjustable PCB Work Fixture, Safety Light Curtain.
- Three (3) Layer Programmable LED Light Source (Horizontal, Vertical, Coaxial).
- 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:

- Intelli-Beam Laser System - Z-Height Measurement Capability for BGA and CSP Devices.
- NG Marking System – Clearly Marks Position of Defects with a Water Soluble Ink Dot.
- 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.
- Inspection System Moveable Workstation.

System Specifications:

| Top-Down View Camera | Field Of View | Resolution |
|---------------------------------|---------------------------------|-------------------------------|
| 5M Pixel (2,456 x 2,058) Camera | 32.9mm x 27.5mm (1.30" x 1.08") | 5 Mega Pixels @ 13.4 um/pixel |

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|--|---|
| Intelli-Beam Laser Specifications | Z-Height Measurement Accuracy: +/- 20 um |
| | Resolution: 15 um / point |
| | Inspection Speed: 0.5 sec / point |
| Top Side Clearance | 45mm (1.77") |
| Bottom Side Clearance | 50.8mm (2.0") From Bottom of PCB Surface |
| Minimum Component Inspection | 01005 Chip Component. |
| Robot Positioning System | Precision Closed Loop Micro Stepper Positioning System |
| Resolution | 6 um (.000236 in.) |
| Repeatability | ±15 um (± 0.000591 in.) |
| Maximum Inspection Speed | 0.26sec / frame - 3,492 mm ² / sec (5.412 in ² / sec) |
| Power Requirements | 110-220 VAC ± 10%; 50/60 Hertz; 5 Amps |

| Model Number | PCB Size Range |
|--------------|---|
| MV-2GT | 50mm x 50mm to 500mm x 400mm (2.0" x 2.0" to 19.7" x 15.7") |

| Model Number | Machine Dimensions |
|--------------|---|
| MV-2GT | 975mm W x 1,200mm D x 655mm H (38.3" W x 47.2" D x 25.8" H) |

| Model Number | Weight |
|--------------|----------------|
| MV-2GT | 110kg (242lbs) |