










**AOI  
Product Line**

	MV-2GT	MV-3L	MV-6e	MV-6 OMNI	MV-7xi	MV-7 OMNI	MV-9
							
Model Type	Desktop AOI Ssystem	Desktop AOI Ssystem	In Line AOI System	In Line AOI System	In Line AOI System	In Line AOI System	In Line AOI System
Conveyor System	Manual Load	Manual Load	Single Stage	Single Stage	3 Stage	3 Stage	3 Stage
Conveyor Option	N/A	N/A	N/A	N/A	Dual Lane	N/A	Dual Lane
Operating System	Windows 7	Windows 7	Windows 7	Windows 7	Windows 7	Windows 7	Windows 7
Maximum PCB Size	500mm x 400mm	500mm x 400mm MV-3U 660mm x 510mm	510mm x 460mm	10um - 480mm x 460mm 15um - 460mm x 460mm	510mm x 460mm MV-7U 660mm x 610mm MV-7DL 330mm x 250mm	10um - 510mm x 460mm 15um - 460mm x 460mm	10um - 510mm x 460mm 15um - 510mm x 460mm MV-9U 660mm x 610mm MV-9 DL 330mm x 250mm
Bar Code Reader Option	Handheld or Camera	Handheld or Camera	Handheld or Camera	Handheld or Camera	Handheld or Camera	Handheld or Camera	Handheld or Camera
PCB Top Side Clearance	45mm	45mm	45mm	45mm	45mm	45mm	45mm
Local System Software	Automatic Teaching (ATT) Repair Plus SPC Software	Automatic Teaching (ATT) Repair Plus SPC Software	Automatic Teaching (ATT) Repair Plus SPC Software	Automatic Teaching (ATT) Repair Plus SPC Software	Automatic Teaching (ATT) Repair Plus SPC Software	Automatic Teaching (ATT) Repair Plus SPC Software	Automatic Teaching (ATT) Repair Plus SPC Software
Component Package Library	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Top-Down Camera Options	5MP	5MP or 10MP	10MP	15MP	5MP or 10MP	15MP	15MP or 25MP
SIDE-VIEWER® Option	N/A	5MP or 10MP	10MP	10MP	5MP or 10MP	10MP	10MP
Lens Configuration	Conventional Lens	Precision Telecentric Compound Lens	Precision Telecentric Compound Lens	Precision Telecentric Compound Lens	Precision Telecentric Compound Lens	Precision Telecentric Compound Lens	Precision Telecentric Compound Lens
Resolution (um/pixel)	13.4um	9.8um, 13.4um, 18.2um	9.8um, 13.4um	10um, 15um	9.8um, 13.4um, 18.2um	10um, 15um	15MP - 10um, 15 um 25MP - 7.7um
3D Inspection Option	INTELLI-BEAM® Laser	INTELLI-BEAM® Laser	INTELLI-SCAN® Laser INTELLI-BEAM® Laser	OMNI-VISION® 3D Multi-Frequency Moiré	INTELLI-SCAN® Laser INTELLI-BEAM® Laser	OMNI-VISION® 3D Multi-Frequency Moiré	OMNI-VISION® 3D Multi-Frequency Moiré
Robot Positioning System	Closed Loop Micro Stepper	Closed Loop Micro Stepper	Closed Loop AC Servo Drive	Closed Loop AC Servo Drive	Closed Loop AC Servo Drive	Closed Loop AC Servo Drive	Closed Loop Precision Linear Drive System
Power Requirements	110VAC 50/60 Hertz, 5A	110VAC 50/60 Hertz, 5A	208VAC, Single Phase 50/60 Hertz, 5A 30A Recommended	208VAC, Single Phase 50/60 Hertz, 5A 30A Recommended	208VAC, Single Phase 50/60 Hertz, 5A 30A Recommended	208VAC, Single Phase 50/60 Hertz, 5A 30A Recommended	208VAC, Single Phase 50/60 Hertz, 5A 30A Recommended
Air Requirements	N/A	N/A	72.5 CFM	72.5 CFM	72.5 CFM	72.5 CFM	72.5 CFM



**SPI  
Product Line**

	<b>MS-11e</b>	<b>MS-11</b>	<b>MS-15</b>
			
<b>Model Type</b>	In Line SPI System	In Line SPI System	In Line SPI System
<b>Conveyor System</b>	Single Stage	Three Stage	Three Stage
<b>3D Inspection</b>	Dual Projection 3D Moiré	Dual Projection 3D Moiré	Dual Projection 3D Moiré
<b>Operating System</b>	Windows 7	Windows 7	Windows 7
<b>Maximum PCB Size</b>	10um - 510mm x 460mm 15um - 510mm x 460mm 20um - 510mm x 460mm	510mm x 460mm  MS-11U 660mm x 610mm MS-11DL 330mm x 250mm	510mm x 460mm  MS-9U 660mm x 610mm MS-9DL 330mm x 250mm
<b>Bar Code Reader Option</b>	Handheld or Camera	Handheld or Camera	Handheld or Camera
<b>PCB Top Side Clearance</b>	45mm	45mm	45mm
<b>Local System Software</b>	Inspector EPM/GerbPad Pre Processor SPC Software	Inspector EPM/GerbPad Pre-Processor SPC Software	Inspector EPM/GerbPad Pre Processor SPC Software
<b>Pad Shape Library</b>	Standard	Standard	Standard
<b>Top-Down Camera Options</b>	15MP	4MP or 15MP	15MP or 25MP
<b>Precision Laser PCB Warpage Compensation</b>	Standard	Standard	Standard
<b>Lens Configuration</b>	Precision Telecentric Compound Lens	Precision Telecentric Compound Lens	Precision Telecentric Compound Lens
<b>Resolution (um/pixel)</b>	10um, 15um, 20um	10um, 15um, 20um	10um, 15um, 20um
<b>Closed Loop Feedback System</b>	Various Screen Printers & Intelli-Track Software	Various Screen Printers & Intelli-Track Software	Various Screen Printers & Intelli-Track Software
<b>Robot Positioning System</b>	Closed Loop AC Servo Drive	Closed Loop AC Servo Drive	Closed Loop Precision Linear Drive System
<b>Power Requirements</b>	208VAC, Single Phase 50/60 Hertz, 5A 30A Recommended	208VAC, Single Phase 50/60 Hertz, 5A 30A Recommended	208VAC, Single Phase 50/60 Hertz, 5A 30A Recommended
<b>Air Requirements</b>	72.5 CFM	72.5 CFM	72.5 CFM