







AOI  
Product Line

	MV-3L	MV-6e	MV-7xi	MV-3 OMNI	MV-6 OMNI	MV-7 OMNI	MV-9
							
Model Type	Desktop AOI Ssystem	In Line AOI System	In Line AOI System	Desktop 3D AOI Ssystem	In Line 3D AOI System	In Line 3D AOI System	In Line 3D AOI System
Conveyor System	Manual Load	Single Stage	3 Stage	Semi-Automatic Load	Single Stage	3 Stage	3 Stage
Conveyor Option	N/A	N/A	Dual Lane	N/A	N/A	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	510mm x 460mm	510mm x 460mm	450mm x 400mm	10um - 480mm x 460mm 15um - 460mm x 460mm	10um - 510mm x 460mm 15um - 460mm x 460mm	10um - 510mm x 460mm 15um - 510mm x 460mm
	MV-3U 660mm x 510mm		MV-7U 660mm x 610mm MV-7DL 330mm x 250mm			MV-7U OMNI 660mm x 610mm MV-7DL OMNI 330mm x 250mm	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 or 10MP	10MP	5MP or 10MP	15MP <i>CoaXPress</i>	15MP <i>CoaXPress</i>	15MP <i>CoaXPress</i>	15MP or 25MP <i>CoaXPress</i>
SIDE-VIEWER® Option	5MP or 10MP	10MP	5MP or 10MP	10MP	10MP	10MP	10MP
Lens Configuration	Precision Telecentric Compound 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)	9.8um, 13.4um, 18.2um	9.8um, 13.4um	9.8um, 13.4um, 18.2um	10um, 15um	10um, 15um	10um, 15um	15MP - 10um, 15 um 25MP - 7.7um
3D Inspection Option	INTELLI-BEAM® Laser	INTELLI-SCAN® Laser INTELLI-BEAM® Laser	INTELLI-SCAN® Laser INTELLI-BEAM® Laser	OMNI-VISION® 3D Multi-Frequency Moiré	OMNI-VISION® 3D Multi-Frequency Moiré	OMNI-VISION® 3D Multi-Frequency Moiré	OMNI-VISION® 3D Multi-Frequency Moiré
Robot Positioning System	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 AC Servo Drive	Closed Loop Precision Linear Drive System
Power Requirements	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	208VAC, Single Phase 50/60 Hertz, 5A 30A Recommended
Air Requirements	N/A	72.5 CFM	72.5 CFM	N/A	72.5 CFM	72.5 CFM	72.5 CFM



SPI  
Product Line

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