

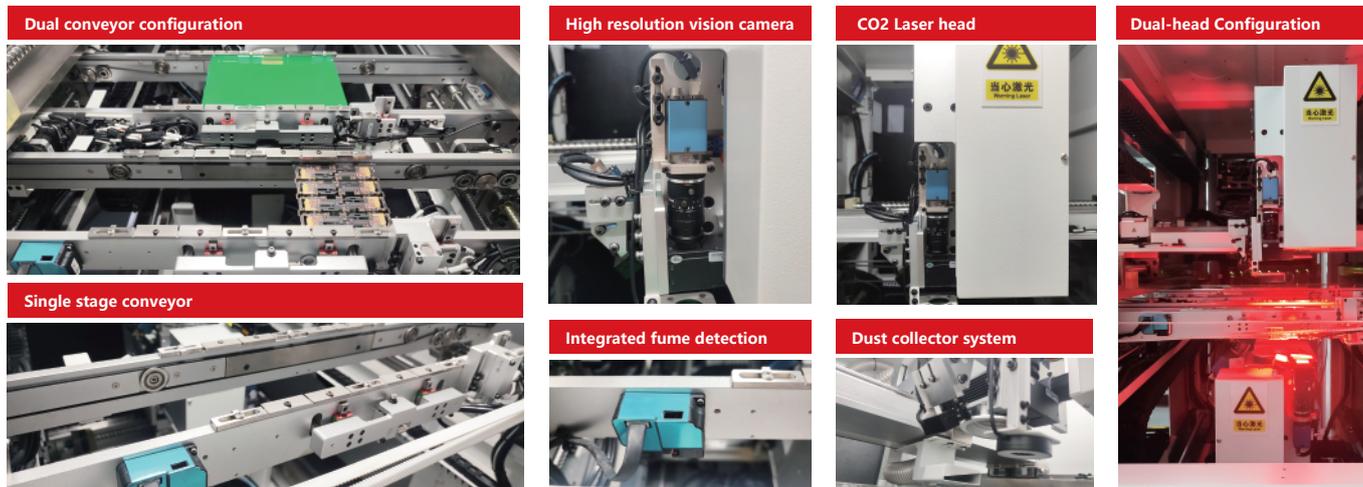
# M2-900L Laser Marking System



- Generate high-quality 1D and 2D codes, text, logos, optical characters, etc
- 4 types of laser (CO<sub>2</sub>, UV, Green & Fibre) available for optimal performance
- Support Top and Bottom dual-head configuration for greater flexibility and throughput
- Standard dual-camera configuration, simultaneous reading and marking to enhance throughput and quality
- Equipped with fume detection
- Safety enclosure with interlock switches that prevents pollution of the shop floor
- Optional dual conveyor configuration for higher throughput and greater flexibility
- Optional Z axis for additional flexibility in marking on different part heights
- Separate dust collector comes in standard
- High efficiency, create high quality marks, easy to maintain

# SPECIFICATIONS

Model No.	M2-900L	M2-940L	M2-945L	M2-960L
Laser Type	CO <sub>2</sub>	UV	Green	Fiber
Wave Length	10.6 (μm)	355 (nm)	532 (nm)	1064 (nm)
Laser Output Power (W)	5/10	5/10	5/10	10/20/30
Laser Spot Diameter (μm)	80, 110, 140		15	
Scanning Speed (mm/s)	6,000		5,000	
Repeatability (μm)	±20			
PCB Top Side Clearance (mm)	25			
PCB Bottom Side Clearance (mm)	20			
Conveyor Height (mm)	900±50			
Barcode Reader	CCD on-line Detection			
Barcode Type	1D, 2D RSS codes, numbers, text, graphics			
Applicable Materials	Resin, Rubber, Plastic & Paper	Resin, Rubber, Plastic, Paper & Metal		
PCB / Substrate Thickness (mm)	0.2 ~ 6			
Minimum PCB Size (mm)	50 × 50			
Max PCB Size (mm)	Single Conveyor: 750(X) x 580(Y) w/ Flipper Standard: 480(X) x 460(Y) w/ Flipper Optional: 510(X) x 460(Y)			
Single Conveyor Marking Area (mm)	Top side: 530(X) x 580(Y)	Top side: 500(X) x 580(Y)	Top side: 530(X) x 580(Y)	
	Bottom side: 510(X) x 580(Y)	Bottom side: 480(X) x 580(Y)	Bottom side: 510(X) x 580(Y)	
	w/ Flipper: 480(X) x 450(Y)			
Dual Conveyor Marking Area (mm)	Top side: 480(X) x 260(Y)	Top side: 420(X) x 260(Y)	Top side: 450(X) x 260(Y)	
	Bottom side: 400(X) x 260(Y)	Bottom side: 350(X) x 260(Y)	Bottom side: 380(X) x 260(Y)	
Dual Conveyor	Option			
Auto Z-axis Adjustment	Option			
Integrated Board Flipper	Optional (not compatible with dual-head option)			
Large FOV Camera	Option			
Intelli-recognition	Option			
High-Efficiency Dust Collector	Option			
Dual Laser Light Source (dual head , designated by DH on model no.)	Optional (not compatible with integrated board flipper)			
Cooling Type	Air Cooling	Air Cooling / Water Cooling		Air Cooling
Power Supply	220V / single-Phase / 50Hz / 8A			
Air Pressure (bar)	6			
Weight (kg)	Approx. 1000			
Dimensions (mm)	1100(W)×1,675(D)×1,535(H)			



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