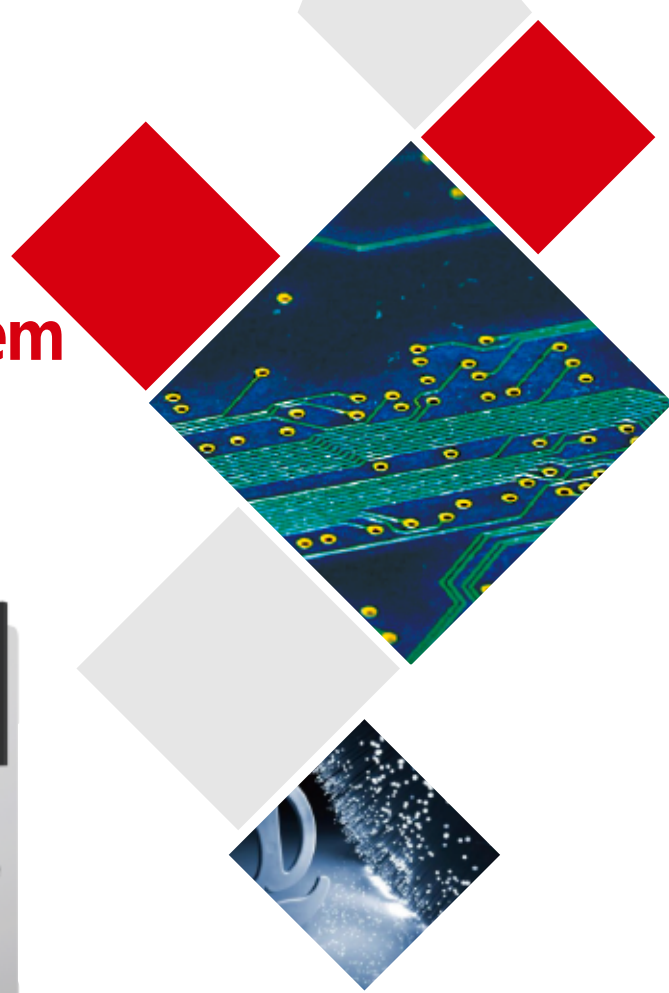


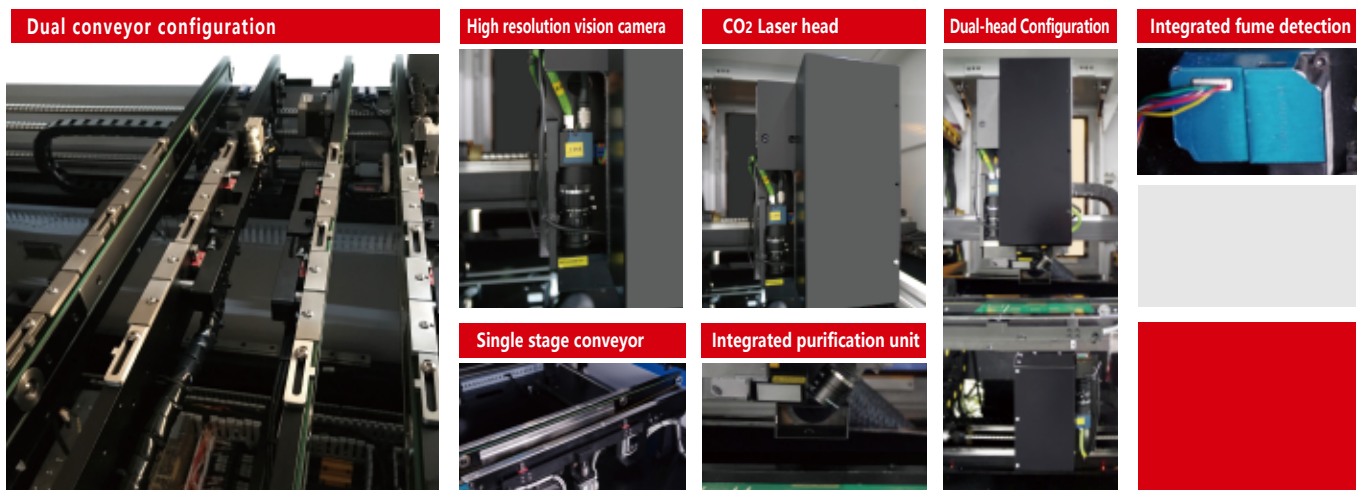
M2-900 Laser Marking System



- Generate high-quality 1D and 2D codes, text, logos, optical characters, etc
- 4 types of laser (CO₂, 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.	M2-900	M2-940	M2-945	M2-960
Laser Type	CO ₂	UV	Green	Fibre
Wave Length	10.6 (μm) 【9.3μm Optional】	355 (nm)	532 (nm)	1064 (nm) 【center wavelength】
Laser Output Power (W)	5	5	10	20
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 and dual head: 500(X) x 450(Y)		w/ Flipper: 350(X) x 350(Y)	
Single Conveyor Marking Field (mm)	Top side: 280(X) x 580(Y)	Top side: 215(X) x 580(Y)	Top side: 240(X) x 580(Y)	
	Bottom side: 220(X) x 580(Y)	Bottom side: 215(X) x 580(Y)	Bottom side: 240(X) x 580(Y)	
	w/ Flipper: 280(X) x 420(Y)	w/ Flipper: 235(X) x 420(Y)	w/ Flipper: 260(X) x 420(Y)	
Dual Conveyor Marking Field (mm)	Top side: 280(X) x 260(Y)	Top side: 215(X) x 260(Y)	Top side: 240(X) x 260(Y)	
	Bottom side: 220(X) x 260(Y)	Bottom side: 215(X) x 260(Y)	Bottom side: 240(X) x 260(Y)	
Dual Conveyor	Available as Option			
Auto Z-axis Adjustment	Available as Option			
Integrated Board Flipper	Optional (not compatible with dual-head option)			
Large FOV Camera	Available as Option			
Intelli-recognition	Available as 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. 600			
Dimensions (mm)	800(W)×1,670(D)×1,435(H) (not including leveling pads)			



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