

M-900 Laser Marking System

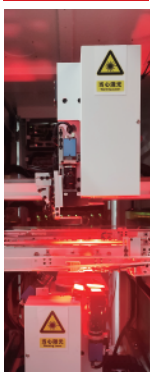


- Generate high-quality 1D and 2D codes, text, logos, optical characters, etc);
- 4 types of laser (CO2, UV, Green & Fibre) available for optimal performance;
- Support Top and Bottom dual-head configuration for greater flexibility and throughput;
- Standard dual-camera configuration, simultaneous reading and marking to enhance throughput and quality;
- Equipped with fume detection;
- Safety enclosure with interlock switches that prevents pollution of the shop floor;
- Optional Z axis for additional flexibility in marking on different part height;
- Separate dust collector comes in standard;
- Compact size, only 0.768m wide.

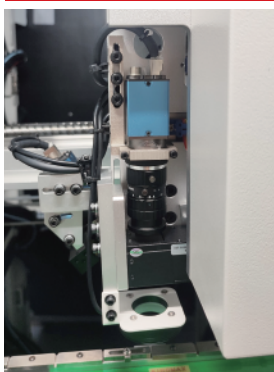
SPECIFICATIONS

Model No.	M-900	M-940	M-945	M-960
Laser type	CO2	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)	10			
PCB bottom side clearance(mm)	7			
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)			
Marking field (mm)	Top side: 280(X) x 360(Y)	Top side: 215(X) x 360(Y)	Top side: 240(X) x 360(Y)	
	Bottom side: 200(X) x 220(Y)			
	w/ Flipper: 280(X) x 280(Y)	w/ Flipper: 235(X) x 350(Y)	w/ Flipper: 260(X) x 350(Y)	
Conveyor Height (mm)	900±50			
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)	N/A		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. 500			
Dimensions (mm)	768(W)×1,285(D)×1,460(H) (Does not contain foot)			

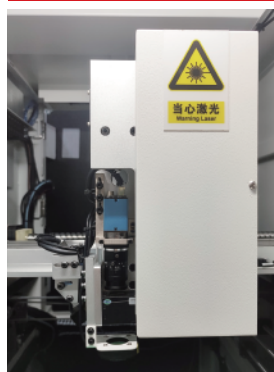
Dual-head Configuration



High resolution vision camera



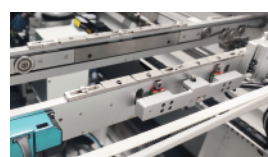
CO2 Laser head



Integrated fume detection



Single stage conveyor



Integrated purification unit



Safety door to prevent pollution



Youngpool Technology Co.,Ltd

SZ Tel: +86 755 2782 3996 Fax: +86 755 2782 3995
Add: 3F,Building 17, Cuigang District 3, Fuyong Huaide,
Baoan District,Shenzhen

<http://www.youngpool.com>

HK Tel: +852 2668 1868 Fax: +852 2668 1899
Add: Room 1, 16/F, Empress Plaza 17-19 Chatham Road
South Tsim Sha Tsui,Kowloon,Hong Kong

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