



## Laser Marking System

- Generate high-quality 1D and 2D codes, text, logos, optical characters, etc
- CO2 laser for optimal performance, UV, Green & Fibre available on request
- Dual-camera configuration, simultaneous reading and marking to enhance throughput and quality
- Equipped with fume detection
- Safety enclosure with interlock switches
- Separate dust and fume collector
- High efficiency, create high quality marks, easy to maintain



| Model                                                             | M-900                                                        |
|-------------------------------------------------------------------|--------------------------------------------------------------|
| Laser Type                                                        | CO2                                                          |
| Wave Length                                                       | 10.6 (μm) (9.3μm Optional)                                   |
| Laser Output Power (W)                                            | 5 W                                                          |
| Laser Spot Diameter (μm)                                          | 80, 110, 140                                                 |
| Scanning Speed (mm/s)                                             | 6000                                                         |
| 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, numbers, text, graphics                         |
| Applicable Materials                                              | Resin, Rubber, Plastic & Paper                               |
| PCB / Substrate Thickness (mm)                                    | 0.2 ~ 6                                                      |
| Minimum PCB Size (mm)                                             | 50 × 50                                                      |
| Max PCB Size (mm)                                                 | 500 × 450, Flipper 350 × 350                                 |
| Marking Field (mm)                                                | Top Side 280 × 360, Bottom Side 200 × 220, Flipper 280 × 280 |
| Conveyor Height (mm)                                              | 900±50                                                       |
| Auto Z-axis Adjustment                                            | Available as Option                                          |
| Integrated Board Flipper                                          | Available as Option*                                         |
| Large FOV Camera                                                  | Available as Option                                          |
| Intelli recognition                                               | Available as Option                                          |
| Dual Laser Light Source (dual head, designated by DH on model no) | Available as Option**                                        |
| Cooling Type                                                      | Air Cooling                                                  |
| Power Supply                                                      | 220V / single-Phase / 50Hz / 8A                              |
| Air Pressure (bar)                                                | 6                                                            |
| Weight (kg)                                                       | Approx. 500                                                  |
| Dimensions (mm)                                                   | 768(W)×1285(D)×1460(H) (not including levelling pads )       |
| MES Adaption                                                      | Available as Option                                          |
| * Not compatible with dual head                                   | ** Not compatible with Flipper                               |

