

1000 LM SC

Laser

IC Chip Laser Marking Equipment

The equipment is mainly used for Semiconductor industry. It can laser mark IC chip of different sizes. The chip carrier can be replaced quickly which can realize the flexible production of IC chip in multiple varieties and batches.



Flexibility

UV nanosecond 355nm laser is configured as standard. The laser core has good beam quality, small marking spot and good marking effect. It could mark 0.2x0.2mm QR code at the minimum.

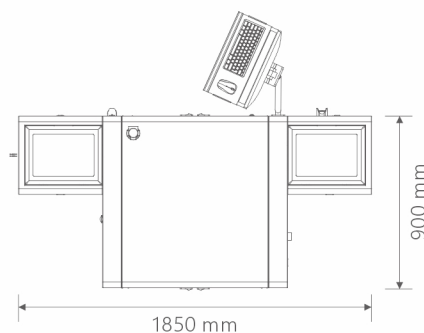
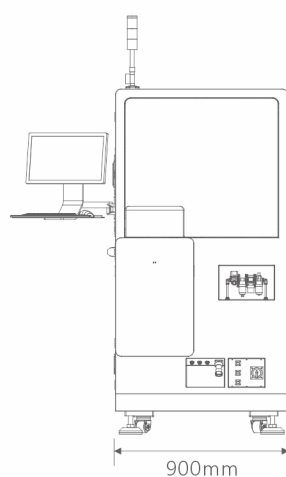
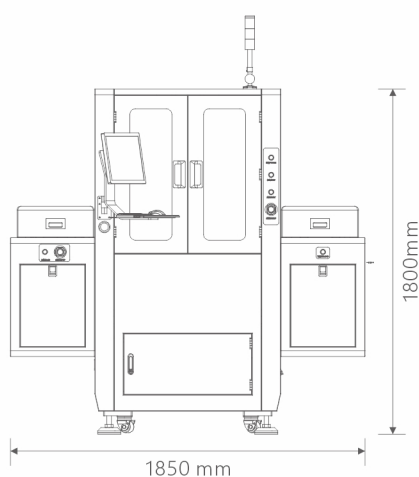
The 532nm green laser, fiber laser or CO₂ laser can be selected according to different material and marking requirement to satisfy personalized needs of different customers.

High Efficiency

Adjustable track width and flow direction
Vision positioning and barcode reading
Automatic adjustment of laser focus
Fully automatic operation

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Technical Data



Machine Dimension

Width: 1850mm
Depth: 900mm
Height: 1800mm
Weight: 1000kg

Motion System

X-travel: 450mm
Y-travel: 300mm
Z-travel: 100mm
Repeatability (X, Y): ± 0.01 mm
Max. Product Size (W*L): 135x320mm

Vision System

Vision Positioning
Vision Inspection
Repeatability: ± 0.03 mm

Laser Core

Laser Type: UV nano laser
Fiber Laser (Optional)
Green Laser (Optional)
CO₂ Laser (Optional)
Laser Wavelength: 355nm
Average Power: 3W/5W
Frequency: 30-100KHz
Pulse Width: <25ns@30KHz

Laser Processing Software

Supported Code Type: Code39, EAN, PDF417, PLT, DATAMATRIX, QR
Supported File Type: PLT, DXF, AI, DST, GBR, NC, BMP, JPG, JPEG, GIF, PNG, TIF

Optical System

Scan Field: 100x100mm@F160
70x70mm@F100 (Optional)
145x145mm@F210 (Optional)
Scan Speed: ≤ 7000 mm/s@F160
Min. Text Height: 0.2mm

Electrical Service Requirement

Voltage: AC220V/50Hz
Max. Power Cons.: 2.2KW

Pneumatic Service Requirement

Pressure: 5-7 bar
Approx. Air Consumption: 100 L/min

Environment Requirement

Operating Temperature: 10-40°C
Operating Humidity: 30%-85%