

LASER MARKING MACHINE

RMPL 460F

Designed for high-speed, high-precision laser marking of SMT PCBs in continuous production environments. Integrates advanced CO₂ laser, high-speed scanner, flipper module, and precision vision alignment for superior traceability and marking quality.



*This Image is for Visual Reference Only Actual May Vary.

KEY FEATURES:

- ➔ High-speed laser marking with Keyence 30W CO₂ laser
- ➔ Inbuilt CCD camera for alignment
- ➔ Integrated flipper for top/bottom marking
- ➔ Seamless inline PCB handling
- ➔ Ideal for QR code, 2D UID, text, and serial number marking
- ➔ Maintenance-free galvanometric scanner
- ➔ Compact design with easy integration in SMT line

TECHNICAL PARAMETER:

PCB Sizes:	80*80 to 460*460 mm
PCB Weight Allowed:	< 2 KG
Conveyor Speed:	300 M/s
PCB clearance:	20 mm Height Max
Laser:	Keyence Hybrid
Repeatability – XY axis:	+/- 0.01 mm
Laser Cooling:	Air cooling
Auto-Locate:	Photo electric sensor + Cylinder Positioning.
Code Scanner	Keyence
QR Code:	Data Matrix, QR Code, Micro QR Code, PDF417, Code 49, Code 16K, Etc
One dimension code:	Code 39, Code 25, Code 93, Code 128, EAN 13, EAN 8, ISBN Etc.
Per Barcode cycle time (30 Chracter)	0.9 Seconds
Minimum QR code:	2*2 mm
PCB Colour Accepted	White, Black, Green, Blue, Red
Machine Communication:	SMEMA
PCB Holding System	Pneumatic Lock System
Smart Production:	Connect With ERP/MES/SAP, Auto-get Work Order, Batch Number, Item Number, Auto Laser.
Direction	Left to Right
Options:	Barcode Reader, Keyence Safety Lock.

Applications:

- » SMT production line traceability
- » UID/Barcode/QR marking on PCBs
- » Medical, automotive, consumer electronics
- » MES traceability compliance

Machine description:

Length * width * height	1600 x 1044 x 1450 mm
Machine weight	<750kg
Power Requirement	Single Phase - 230 V, Consumption 3.5 Kw



Technical specifications are subjected to change without notice. Some general descriptions and performance characteristics may not be applicable to all products. only features and technical data provided in the purchasing contract are legally binding.

REXSATRONIX MYS PRIVATE LIMITED

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📍 PLOT NO 22-P-3 & 22-P-4, 3RD PHASE, KOORGALLI, MYSURU, KARNATAKA, INDIA - 570018

✉ info@rexsatronix.com

☎ +91 827 799 5300

🌐 www.rexsatronix.com