



SIMPLIMATIC
AUTOMATION

Keep it smart. Keep it simple.



Multiple Axis Laser Marker Model 3341

Perform Precise, High-Speed, Permanent Surface Etching with a Very Stable, Capable Marking Platform

Simplimatic Automation's Model 3341 Laser Marker is an inline, multiple axis laser marking platform designed to permanently etch non-metallic surfaces with a high degree of speed and precision. Fully integrated into an easy-to-use, Windows 7®-based operator interface, the unit can mark an infinite number of places anywhere within an 18" x 20" marking envelope, with the options for larger marking envelopes available.

STANDARD FEATURES

BENEFITS

30-Watt CO2 Laser

Very precise, smudge-free, permanent laser mark.

**High-Speed DC Stepper
Motor Conveyor**

Lower cost of ownership compared to ink jet and label marking systems.

Servo Controlled X-Y Gantry

On-board 1D or 2D mark reader.

Windows 7® Operating System

Laser system can be tuned for specific materials, speeds and applications.

Full-Size Touchscreen with Keyboard

LAN compatible.

SMEMA 1.2 Compliant

Standard air filtration system.

**Alpha-Numeric, Graphical,
1D and 2D Code Marking**

Unit will mark alphanumeric characters, 1D and 2D codes, or graphics files.

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SPECIFICATIONS

Circuit Board Length	3" (76.2mm) to 20" (508mm)
Circuit Board Width	2" (50.8mm) to 18" (457.2mm)
Circuit Board Thickness	0.010" (0.254mm) to 0.125" (3.175mm)
Circuit Board Weight	10 lbs max.
Allowable Warp/Sag	.007" per inch, .125" max.
Edge Clearance	Requires a clear area of 0.125" (3.175mm) on the front and rear edges of the bottom surface of the board
Allowable Component Clearance	2" below conveying surface, 1" above conveying surface

Note: Consult factory on PC boards with cutouts, or board with an aspect ratio greater than where the width is greater than the length, or boards with specifications outside those listed above.

LASER CAPABILITY

Character Format	5x5, 7x5, 16x10 dot matrix
Character Height	0.05" (0.127cm) to 1.00" (2.54cm)
Character Generation	Up to 400 characters per second
Character Placement	Continuous visible printing outline

MACHINE PLATFORM

Width (Line Length)	40.00" (101.6cm)
Depth	60.00" (152.40cm)
Line Height	37.5" (95.25cm) ± 2.00" (5.08cm)
Power	120 VAC, 60hz, 15 A max current
Pneumatic	90 PSI OFA

TYPICAL APPLICATIONS INCLUDE

- Etching product identification information like serial numbers, lot numbers, or time/date stamps
- Marking good board/bad board designators
- Applying bar codes or 2D matrices
- Applying corporate logos or security information

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Simplimatic Automation

Simplimatic Automation has been a leader in material handling systems since 1965. The company is part of the Simplimatic Engineering Holdings family of companies, which also includes Advantage Puck Technologies.