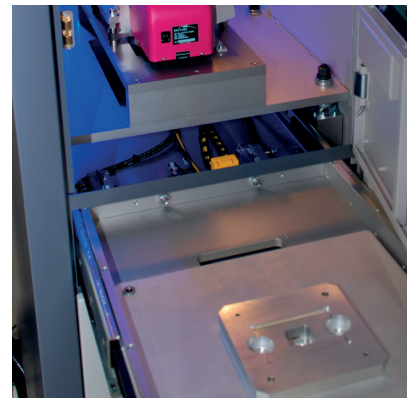
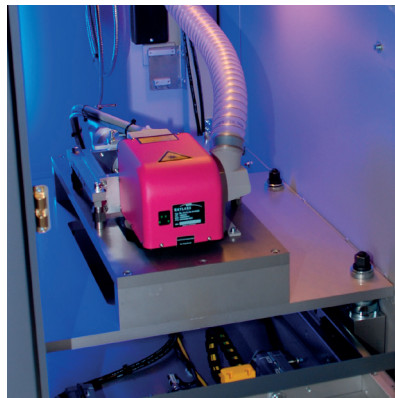


INSIGNUM Series – Power and Precision in Marking

Automatic Laser Marking System

INSIGNUM Laser

INSIGNUM 1000 Laser



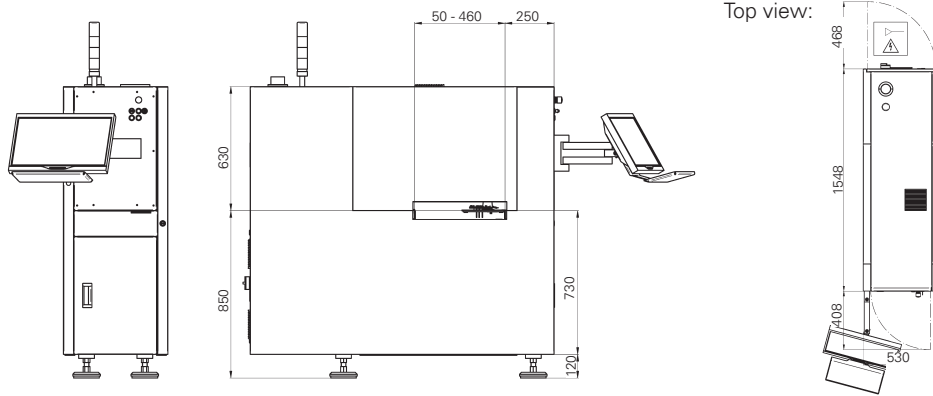
Description

The INSIGNUM 1000 Laser is an inline or offline Marking System which utilizes a CO₂ laser for direct marking onto various types of plastic PCBs. Alternatively the machine can be equipped with a fibre laser for marking of other materials e.g. metals. The object to be marked is placed in a drawer, fixed in position and then slid under a fixed position laser, where the PCB subsequently marked. After the marking process has completed, an acoustic alarm is issued, a message appears on the monitor and the drawer can be pulled out again.

Alternatively, the machine can be equipped with a conveyor. The PCB is transported into the machine. A manually positioned laser unit then marks the PCB.

Options

- _ Product specific nest
- _ Coded nest
- _ Fibre laser
- _ Exhaust system
- _ Flip station
- _ Loader and unloader controlled by the INSIGNUM 1000 Laser
- _ Manual loading via feed conveyor
- _ Side clamp



INSIGNUM 1000 Laser

	Conveyor	Drawer
Machine configuration		
Transport height	850 mm ± 50 mm	850 mm ± 50 mm
Max. transport width	460 mm	300 mm
Interface	Siemens, SMEMA	Siemens, SMEMA
Transfer direction	From left to right/ from right to left	Drawer
Operating side	Front of the machine	Front of the machine
Fixed rail	Front of the machine	Adapter
Panel dimensions		
Panel length	70 to 460 mm	Up to 300 mm
Panel width	50 to 460 mm	Up to 300 mm
Panel thickness	0.8 to 3.0 mm	
Panel weight	Up to 3 kg	Up to 3 kg
Component height	Up to 40 mm	Up to 80 mm
Installation requirements		
Power supply	230V/ 115V, 50/60 Hz, ± 10 %	230V/ 115V, 50/60 Hz, ± 10 %
Power supply system	L1 + N + PE	L1 + N + PE
Power consumption	0.69 kW	0.69 kW
Air supply	6 bar	6 bar
Air consumption	<10 NI/min	<10 NI/min
Machine description		
Length × width × height	530 × 1550 × 1480 mm	530 × 1000 × 1480 mm
Max laser window	140 × 140 mm	100 × 100 mm
Codes	Data Matrix ECC200 (Cellsize ≥ 0.191 mm (7.5 mil)), Code 39, Code 128, 2/5 Interleaved	Data Matrix ECC200 (Cellsize ≥ 0.127 mm (5mil), Code 39, Code 128, 2/5 Interleaved
Repeatability	± 0.5 mm	± 0.5 mm
Noise level	< 75 dB	< 75 dB
Upgrades		
Machine networking via IC Net		