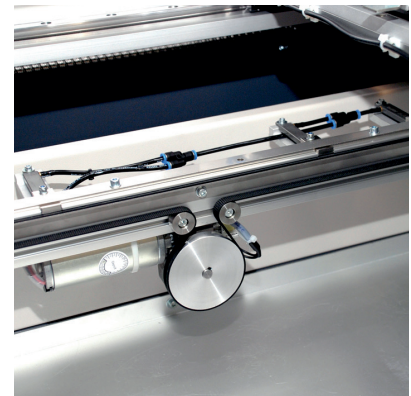
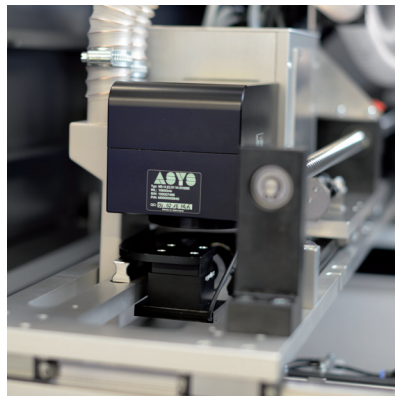


INSIGNUM Series – Power and Precision in Marking

Automatic Laser Marking System

INSIGNUM Laser

## INSIGNUM 3000 Laser



### Description

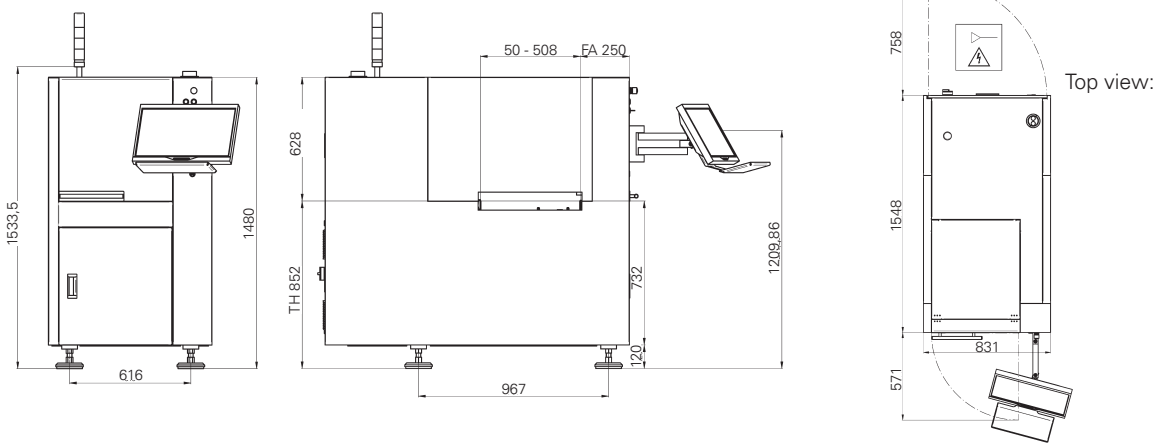
The ASYS inline Laser Marking System, INSIGNUM 3000 Laser, is used for direct laser marking of solder resist on PCBs. The laser assembly is mounted above the transport system on a servo-driven X/Y axis. The PCB to be marked is taken over onto the transport system and transported into the marking position. The laser now moves to a pre-programmed position and marks the predefined content, such as barcode, datamatrix codes, plain text or logos onto the product.

### Features

- \_ Compact design
- \_ Cost-effective solution for PCB marking
- \_ Servo-driven axis system
- \_ Marking of PCBs up to an area of 508 × 508 mm

### Options

- \_ Fiducial camera
- \_ Loader and unloader controlled by the INSIGNUM 3000 Laser
- \_ External flip station controlled by the INSIGNUM unit
- \_ Manual loading via feed conveyor
- \_ Side clamp
- \_ Fibre laser
- \_ Exhaust system



## INSIGNUM 3000 Laser

### Machine configuration

Transport height	850 mm ± 50 mm
Max. transport width	<b>508 mm</b>
Interface	Siemens, SMEMA
Transfer direction	From left to right/from right to left
Operating side	Front of the machine
Fixed rail	Front of the machine

### Panel dimensions

Panel length	70 to 508 mm
Panel width	50 to 508 mm
Panel thickness	0.8 to 3.0 mm
Panel weight	Up to 3 kg
Component height	Up to 40 mm
Coating	Solder Resist (other coatings upon request)

### Installation requirements

Power supply	230V / 115V, 50/60 Hz, ± 10 %
Power supply system	L1 + N + PE
Power consumption	0.69 kW
Air supply	6 bar
Air consumption	<12 NI/min

### Machine description

Length × width × height	830 × 1550 × 1480 mm
Max laser window	105 × 105 mm
Codes	Data Matrix ECC200 (Cellsize ≥ 0.127 mm ≥ 5 mil), Code 39, Code 128, 2/5 Interleaved
Repeatability	± 0.25 mm
Noise Level	< 75 dB

### Upgrades

Machine networking via IC Net