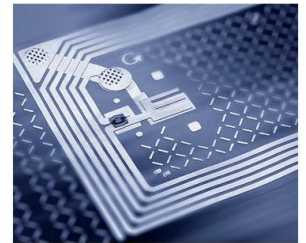
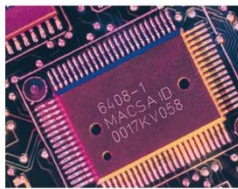
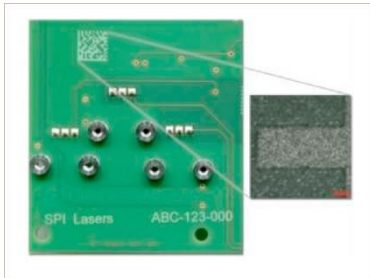




PRINTED CIRCUIT BOARD

LASER RAPID PROTOTYPING MACHINE FOR PCB LASER CIF 50.S



Laser station for a quick manufacture of your simple or double-sided PCBs.
Handling the Laser CIF 50.S is easy and immediate; It handles many file formats and is delivered complete.

- Compact and ergonomic CNC machine for rapid prototyping
- Integrated laser output
- **163 mm** lens, **100 x 100 mm** working area
- Lateral release of the hood for a better reach of the working area
- **Programmable** Z axis for an accurate control of the working height
- Easy handling
- Delivered complete with a PC and a fume filtration unit (HEPA filter)
- **20 W** type ultrafast laser source output with variable pulses, **37 waveforms**
Laser frequency = **1-1000 KHz.**
- Marking software PRO SE (French / English)
- Alignment diode
- List of the supported formats : .tiff, .Ai, .dxf, .plt, .bmp, .jpeg, .gif, .tga, .png, .dst, .svg ou .nc

Technical information given subject to change without notice. Text, photos and drawings are non-contractual.



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Working area parameters

Lens (mm)	Working area square max (mm)	Working area max diameter (mm)	Working distance (mm)	Laser power (W)	Spot size (µm)	Max. Part Height (mm)	Waveform (ns)
163	100	100	184	20	50	320	37

Technical specifications	
Standard working area	100 x 100 mm with a 163 mm lens
Maximum product size in the enclosure (mm)	Depth 508 x length 317 x height 320 mm
Type of laser	Fibre Laser, Ytterbium
Length wave (nm)	1062 ± 3 nm
Laser power	20 W
Frequency range	1 KHz – 1000 KHz
Pulse duration	Selectable, 10 to 520 nanosecondes
Working temperature range	7 – 36°C
Cooling	Air cooled
Focal research aid diode	(2) classe IIM Red Diode (635 nm)
PC	PC included included
PRO SE software	Included and fully unlocked
PC connexion	USB
Air	5 bars mini
Accessories	Ultra silent compressor CS 30, réf F41044
Dimensions	Depth 610 x length 1079 x Height 851 mm
Net weight	91 Kg
Electric supply	230 VAC 50/60 Hz

Equipment

Rapid prototyping CNC machine - **LASER CIF 50.S** ref **U900139**
 Delivered complete with a PC and a filtration unit with a HEPA filter

Optional accessory

Laboratory ultra-silent compressor – **CS30** ref **F41044**
 50 L/min, 6 Liter tank, 8 bars max



Option services

Training and installation 1 day
 Warranty **3 years** on the laser system / **3 years** on the machine

Provided documentation: USB Drive / Quick start guide / Programming manual / User and setting manual / Laser settings manual.

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