

# SOMAUT marking solutions

Available with 5-8-12-20 W Powers the main features of which are:

- ✓ High energy
- ✓ High peak power
- ✓ High beam quality
- ✓ Compact and hermetic
- ✓ Air-cooled
- ✓ Easily integrated
- ✓ Remote diagnosis



Integrating Laser Unit S35i

## LASER Solutions for Industrial Applications

- ✓ Etching marking
- ✓ Material processing
- ✓ Micro-processing
- ✓ Resistor trimming
- ✓ Welding



CLS10 Workpost with Laser S35 in Class 1

- Rack with marking and control LASER unit, fiber, resonator and compact head with digital galvos and F-Theta 160 optics with working field of 110x110
- LASER unit is of the Nd:IVO4 type. It works with infrared rays with 1064 nm wavelength
- Air cooled, single-phase 220V 50Hz power
- In compliance with Safety Regulations under Class 4
- Manual opening door
- Motorized axis focus
- Supplied with presetting for extraction fan
- Machine comes complete with PC and the SCAPS marking program installed that is exhaustive, sversatile, rich in functions and conceived for all possibilities of marker use.



## Workpost CLS60B with Laser S35-20 in Class 1

- ✓ 20W Marking laser of the Nd:IVO4 type working with infrared ray with 1.064 m wavelength
- ✓ Air cooled and powered with 220 V single-phase 50Hz
- ✓ Rack with LASER and control electronics
- ✓ Resonator and compact head with digital galvos
- ✓ PC with SCAPS marking program with axis control
- ✓ Automatic pneumatic door
- ✓ Wide window
- ✓ Controlled Z-axis
- ✓ Targeting red diode system
- ✓ Base
- ✓ Preset for fume extractor

SOMAUT is your partner for marking, riveting, and assembling !

	<b>S35-5</b>	<b>S35-8</b>	<b>S35-12</b>	<b>S35-20</b>
Mode	Passive DPSSL	Q-Switched DPSSL	Q-Switched DPSSL	Q-Switched DPSSL
Wavelength	1064 nm	1064 nm	1064 nm	1064 nm
Nominal Power	5 W	8 W CW	12 W CW	20 W CW
Beam Quality (M2)	< 1,5	< 1,5	< 1,5	< 1,5
Polarization		Linear 100:1	Linear 100:1	Linear 100:1
Frequency Range	25 KHz	10÷200 KHz	5÷200 KHz	10÷200 KHz
Pulse Energy		> 350µJ a 10 KHz	> 800µJ@5KHz	> 1mJ a 10 KHz
Pulse Width		8ns @ 10 KHz	16ns @ 5 KHz	30ns @ 10 KHz
Beam Diameter		5 mm	3.5 mm	5 mm
Power Supply	90÷240V; 50/60Hz	90÷240V; 50/60Hz	90÷240V; 50/60Hz	90÷240V; 50/60Hz
Installed Power	< 600 W	< 500 W	< 800 W	< 1 KW
Cooling	Air	Air	Air	Air
Communications		RS232 (Optional RS485 Ethernet)		
Requirements		2004/108/EC 2006/95/EC EN 60950-1 EN 60825-1 EN 12626		

**SOMAUT**  
marking solutions

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