



# GAP LASER SYSTEMS

custom industrial solutions  
part of **HID**

Infrared Laser

## SIRIO MOPA

Pulsed Fiber Laser for Industrial Application

Mopa Technology

(Master Oscillator Power Amplifier)

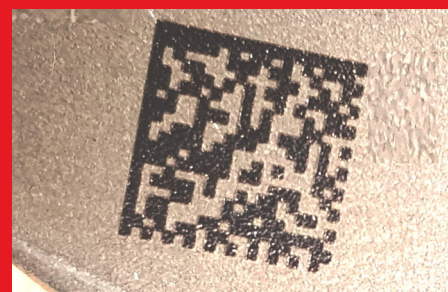


### Features

- Wide Frequency Range (1-2000 kHz)
- Pulse Width Adjusting from 2 to 350 ns
- 20W and 30W
- Excellent Laser Performance
- Independent Adjusting of PRF and Pulse Width

### Applications

- Metal Surface Processing
- Aluminum Black Marking
- Semi-Conductor & Electronics Industry Applications
- Excellent Marking Effects on Plastic or Other Sensistive Material



Infrared Laser

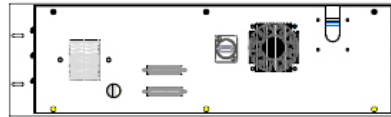
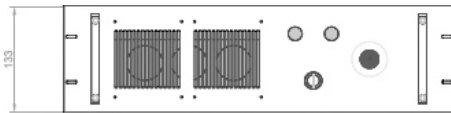
# SIRIO MOPA

SIRIO 20

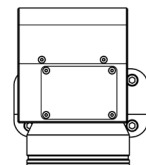
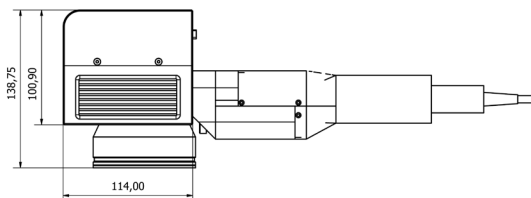
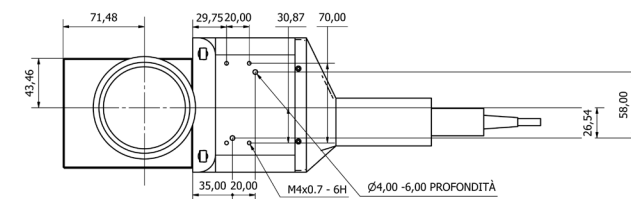
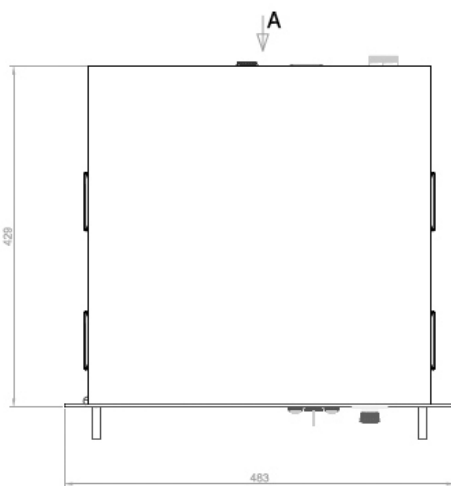
SIRIO 30

Operational mode	Mopa Pulsed Fiber Laser	
Center Emission Wavelength [nm]	1064	
Nominal Output Power [W]	20	30
Beam Quality (nominal) [M2]	< 1.3	
Polarization	Random	
Full Power Repetition Rate [kHz]	25 - 2000	38 - 2000
Pulse Frequency Range [kHz]	1 - 2000	
Max Pulse Energy [mJ]	0.8 @ 25 kHz	
Pulse Duration [ns]	2 - 350	
Power Supply [Vac; Hz]	240 ; 50/60	
Power Consumption [W]	< 500	< 600
Cooling system	Air	
Communication	RS232 (Ethernet available upon request)	
Compliance	2004/108/CE; 2006/95/CE; EN60950-1; EN 608225-1; EN 12626	

- Integrated embedded PC as option
- 3D System available upon request



View from "A"



Specifications are subject to variations and updates without notice. Class 4 laser source. This OEM laser component is for sale solely to qualified manufacturers, who shall provide interlocks, indicators and other appropriate safety features, in full compliance with 21 CFR 1040 and/or other applicable national and local regulations.



GAP Laser Systems s.r.l.  
A Certified and  
ISO 9001:2008 Company



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SIRIO MOPA LAYOUT