



Infrared Laser Mopa Series

## SIRIO

Pulsed Fiber Laser for Industrial  
Application Mopa Technology

(Master Oscillator Power Amplifier)

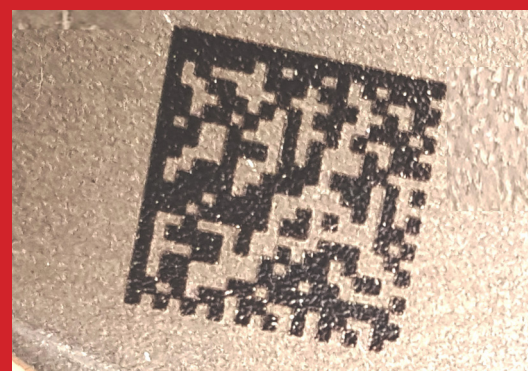


## Features

- Wide Frequency Range (1 - 1000kHz)
- Pulse Width Adjusting from 6 to 250ns (G1)  
or 1 to 250ns (G2)
- 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 Sensitive Material



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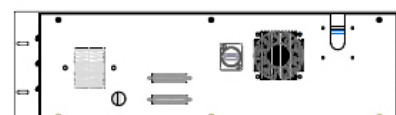
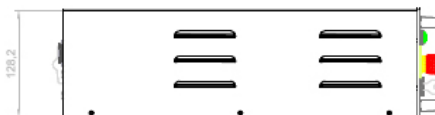
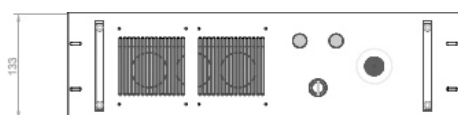
# SIRIO

## SIRIO 20(G1)

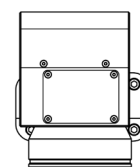
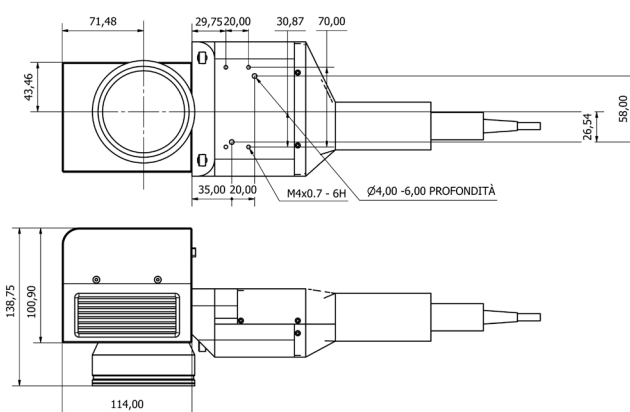
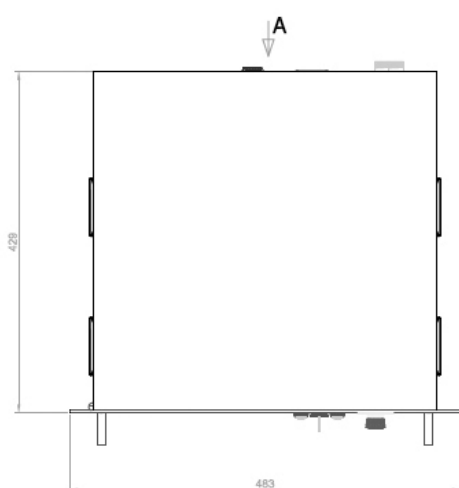
## SIRIO 30(G1)

Operational mode	Mopa Pulsed Fiber Laser	
Center Emission Wavelength [nm]	1064	
Nominal Average Output Power [W]	> 20	> 30
Beam Quality (nominal) [M <sup>2</sup> ]	< 1,3	
Polarization	Random	
Full Power Repetition Rate [kHz]	40 - 1000	
Pulse Repetition Rate Range [kHz]	1 ~ 1000	
Max Pulse Energy [mJ]	0.5	
Pulse Duration [ns]	6 - 250	
G2 Model [ns]	1 - 250	
Power Supply [Vac; Hz]	240 ; 50/60	
Power Consumption [W]	< 500	< 600
Cooling system	Air	
Communication (*)	RS232	
Compliance	2004/108/CE; 2006/95/CE; EN60950-1; EN 608225-1; EN 12626	

Note: Integrated embedded PC as option \*Ethernet available upon request



View from "A"



## Sirio Layout



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

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 LASERSYSTEMS**  
custom industrial solutions

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