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Infrared Laser

SIRIO MOPA

Pulsed Fiber Laser for Industrial Application

Mopa Technology
(Master Oscillator Power Amplifier)

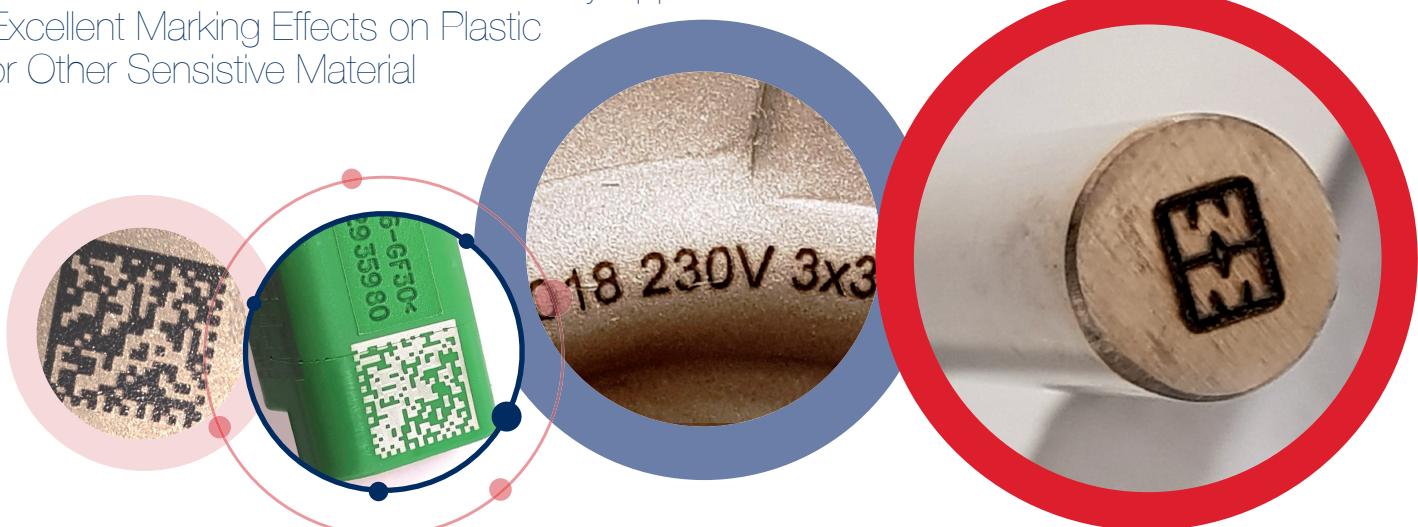
Features

- 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 Sensitive Material



Infrared Laser

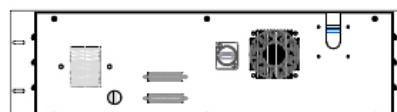
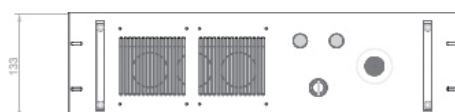
SIRIO MOPA

SIRIO 20

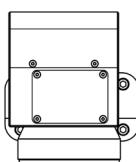
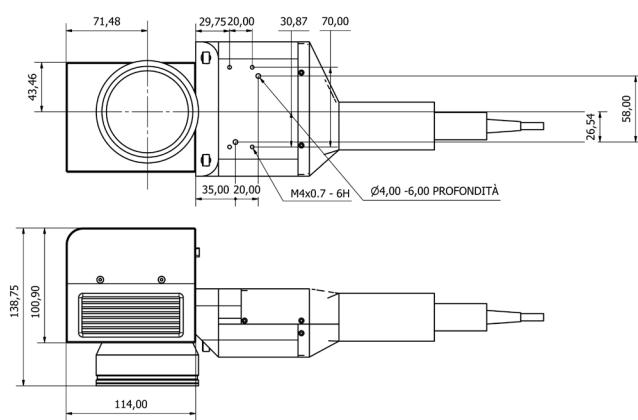
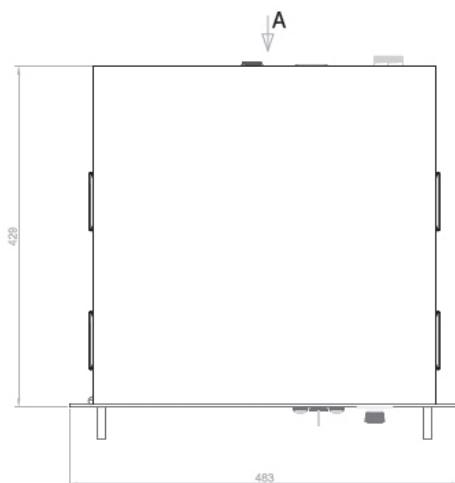
SIRIO 30

| | | |
|----------------------------------|---|-----------|
| 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"



Legal and operational headquarter:

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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.



BUREAU
VERITAS

IXLA srl: a certified and ISO 9001:2008 Company