

aq^s GAP NET tyl crystal diode libra uv sirio
 femto custom industrial 3D
 orion fiber laser head mirror venus light dpss solutions
 Halin lens

GAP LASER SYSTEMS
custom industrial solutions
 part of **HID**

Infrared Laser Series - DPSS Lasers

TYL 12W evolution

Laser Solutions
 for Industrial 4.0 Application

Features

- High power in an extended frequency range
- Suitable for low frequency and high energy applications
- Excellent beam quality
- Remote diagnosis
- Air cooled

Applications

- Marking and engraving
- Safety ID marking
- Material processing
- Micromachining
- Trimming
- Soldering



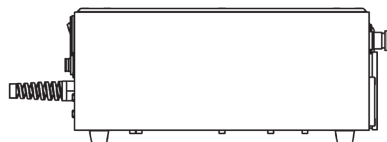
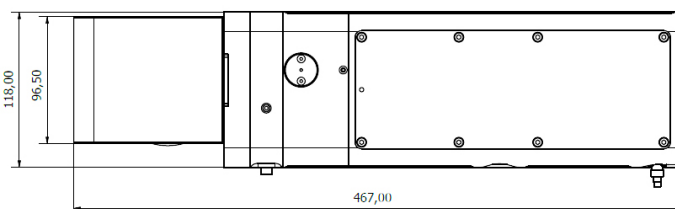
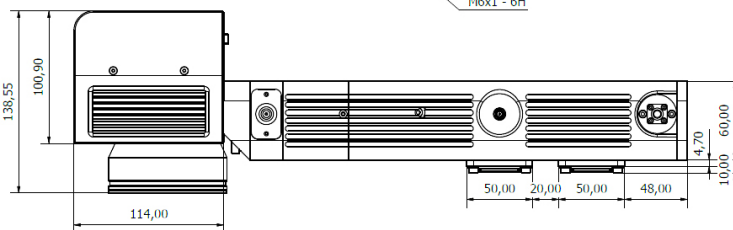
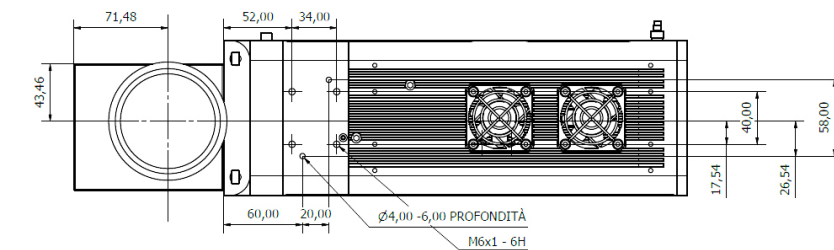
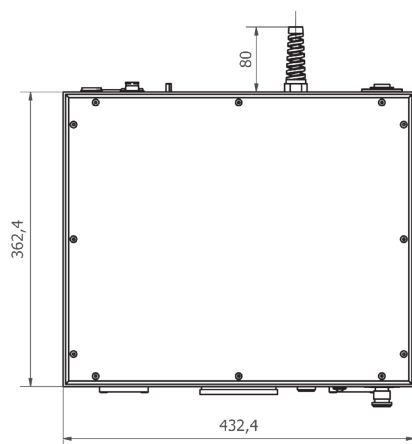
Infrared Laser Series - DPSS Lasers

TYL 12W evolution

TYL12 ind. 4.0 evolution

Operational mode	Q-switched DPSSL	
Wavelength	[nm]	1064
Nominal Power	[W]	12 CW @ BEX output
Beam quality	[M ²]	<1.5
Polarization	Linear 100:1	
Frequency range	[kHz]	10 - 200 in Q-Switch
Pulse energy	[μ J]	>800 @ 5kHz
Pulse width	[ns]	>16 @ 5kHz
Beam diameter (*)	[mm]	3,5
Power Supply	[Vac; Hz]	90-240 ; 50/60
Power consumption	[W]	<800
Cooling system	Air	
Communication (**)	RS232	
Focal lens	100mm. (70x70mm.) - 160mm. (110x110mm.) - 254mm. (180x180mm.)	

*Different Beam Diameter available upon request **Ethernet available upon request



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.

ISO 9001
BUREAU VERITAS
Certification



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

GAP LASERSYSTEMS
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part of **HID**

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TYL IR 12W ev. LAYOUT