

aqsGAPNET tyl crystal diode libra sirio
femto custom head mirror venus Halin lens
orion fiber laser head mirror lens
light dpss 3D solutions



Infrared Laser Series - DPSS Lasers

TYL 12W evolution

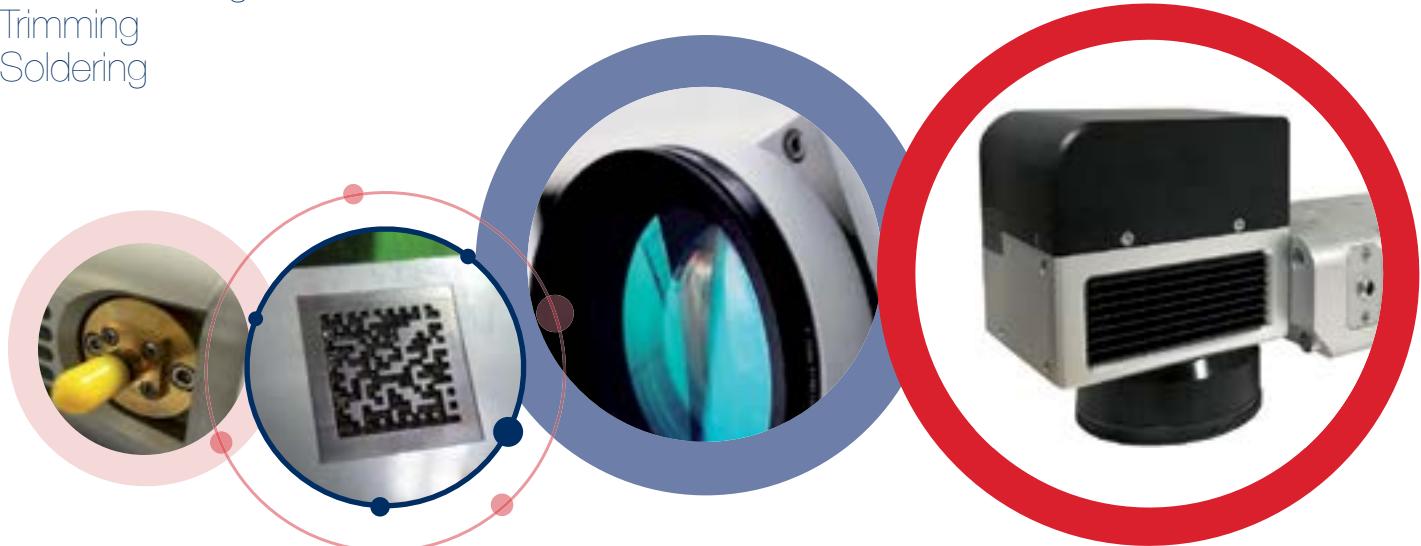
Laser Solutions
for Industrial 4.0 Application

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



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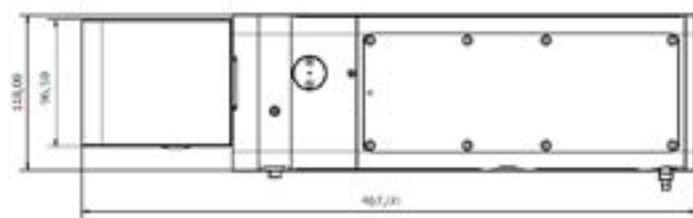
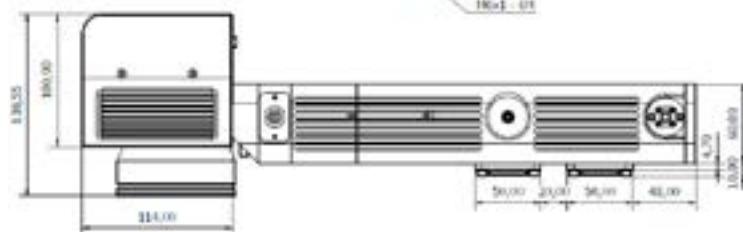
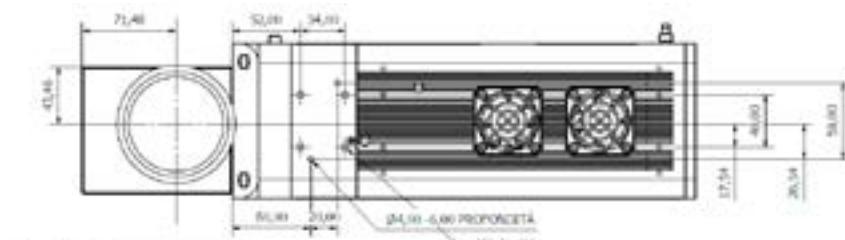
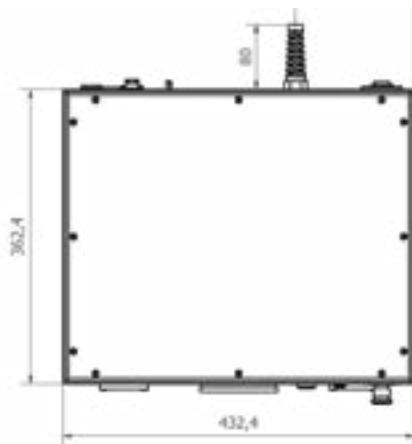
TYL12 ind. 4.0 evolution

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



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.

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