

aq<sup>s</sup> GAP NET tyl crystal diode libra UV sirio  
 femto custom industrial<sup>3D</sup>  
 orion fiber laser head mirror venus Halin lens light dpss solutions

# GAP LASER SYSTEMS

custom industrial solutions  
 part of **HID**

Infrared Laser Series

## ORION

Pulsed Fiber Laser  
 for Industrial Application

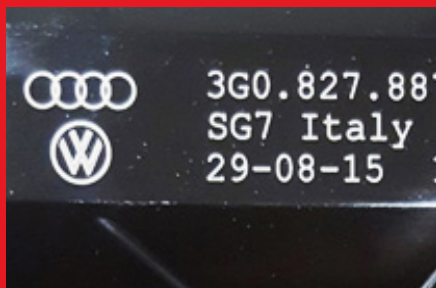


### Features

- High contrast marking in extended frequency range
- From 20W to 50W
- Excellent beam quality
- Profibus and embedded PC as option
- Air cooled
- Easy of integration (19 inches rack)

### Applications

- Marking and deep engraving
- High contrast on laser annealing
- Safety ID marking for high speed productivity on Polycarbonate and PVC



# Infrared Laser Series

# ORION

ORION 20

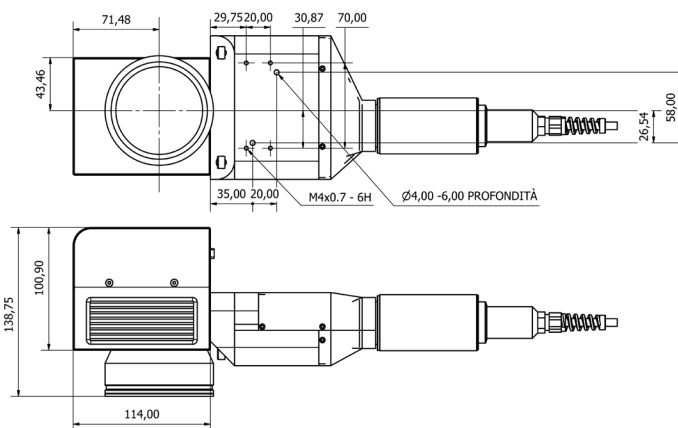
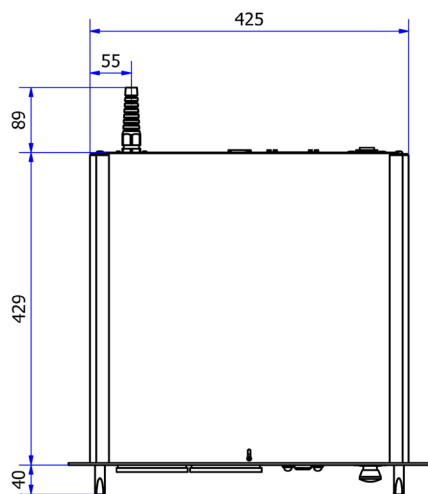
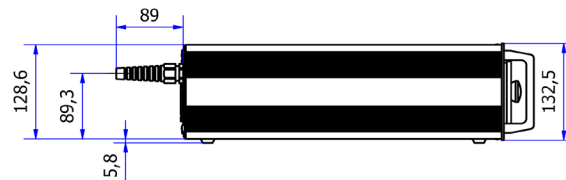
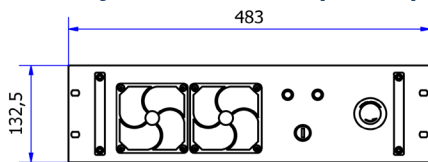
ORION 30

ORION 50

ORION 100

Operational mode	Pulsed Fiber Laser				
Wavelength (Typ.)	[nm]	1064			
Nominal Power	[W]	20	30	50	100
Beam quality (Max)	[M <sup>2</sup> ]	<2			<2
Polarization		Random			
Pulse repetition rate	[kHz]	2 - 500			5 - 500
Max pulse energy	[mJ]	1			1
Pulse width	[ns]	100 +/- 20			100 +/- 20
Peek power (nominal)	[kW]	10			10
Power Supply	[Vac; Hz]	90-240 ; 50/60			
Power consumption	[W]	<800	<1000	<1500	<1700
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



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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ORION Layout