

aqsgapNET tyI crystal diode libra sirio  
femto custom industrial 3D  
orion fiber head mirror venus lights d/pss  
laser Halin lens

**GAP LASERSYSTEMS®**  
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# Infrared Laser Series

# SIRIO

# Pulsed Fiber Laser for Industrial Application

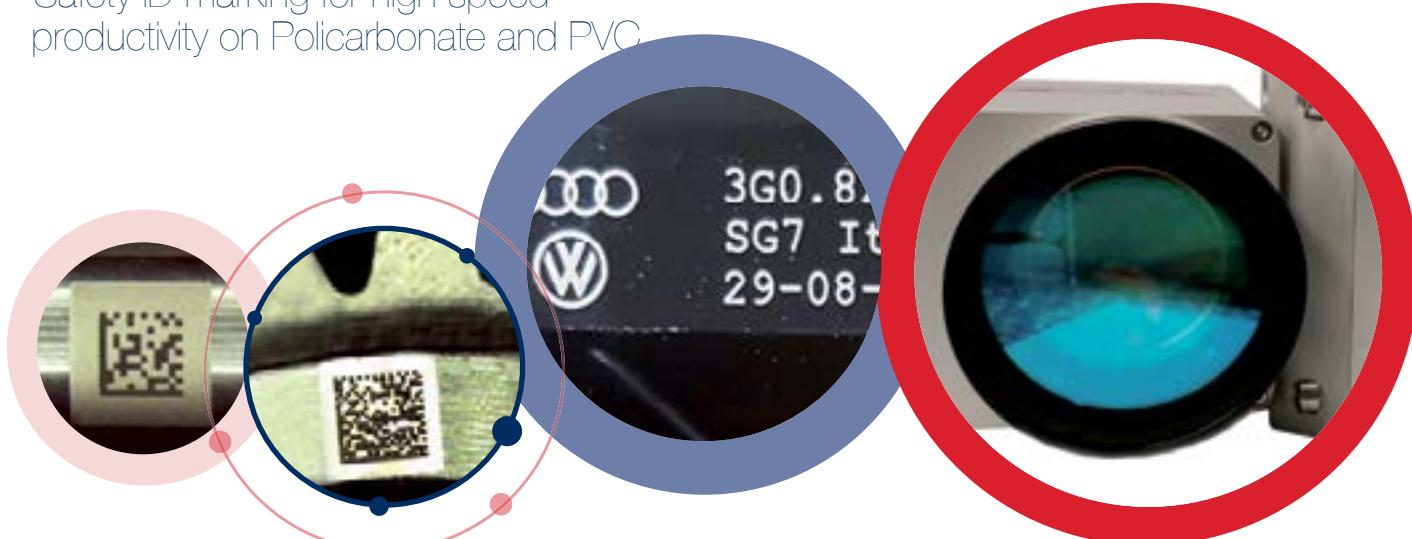
# Features

- 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



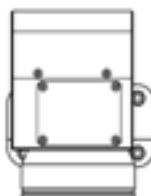
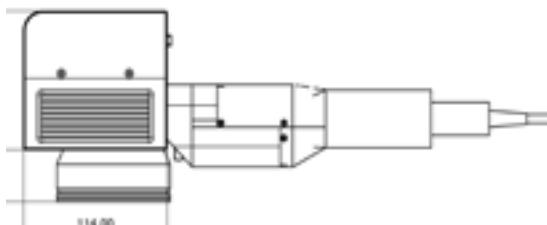
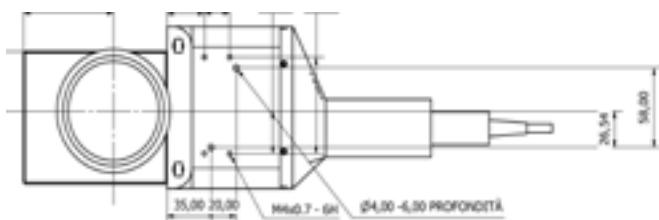
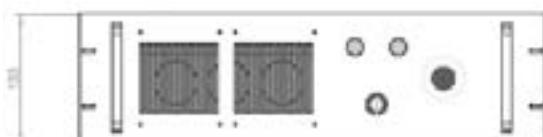
# Infrared Laser Series

# SIRIO

		SIRIO 20	SIRIO 30	SIRIO 60
Operational mode		Pulsed Fiber Laser		
Wavelength	[nm]		1060 ~ 1085	1064
Nominal Power	[W]	20	30	60
Beam quality (nominal)	[M2]	<1.8	<1.8	<1.5
Polarization		Random		
Pulse repetition rate	[kHz]	20-80	30 - 80	1-4000
Pulse energy	[mJ]	1@20 KHz	1@30 KHz	2
Pulse width (@30KHz)	[ns]	80-140	80-140	2-500
Peak power (nominal)	[kW]	<120@20KHz	<130@30KHz	-
Power Supply	[Vac; Hz]		90-240 ; 50/60	
Power consumption	[W]	<800	<1000	<1500
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



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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SIRIO Layout