



High Power Direct - Diode Laser System

GDL series

Laser Solutions
for Industrial
Application



Features

- Configurable system with 1 or 2 diode modules
- CW or QCW diode modules
- Configurable wavelength and average power from 60 up to 400W
- Integrated cooling system with external chiller only for >100W diode modules
- Ease of Integration (19 inches rack)
- Armored jacket optical fibers with additional protective sheath
- Connectable optical fiber with collimator or focussing head

Applications

- Welding
- Soldering
- Thermal Material Activation
- Cutting



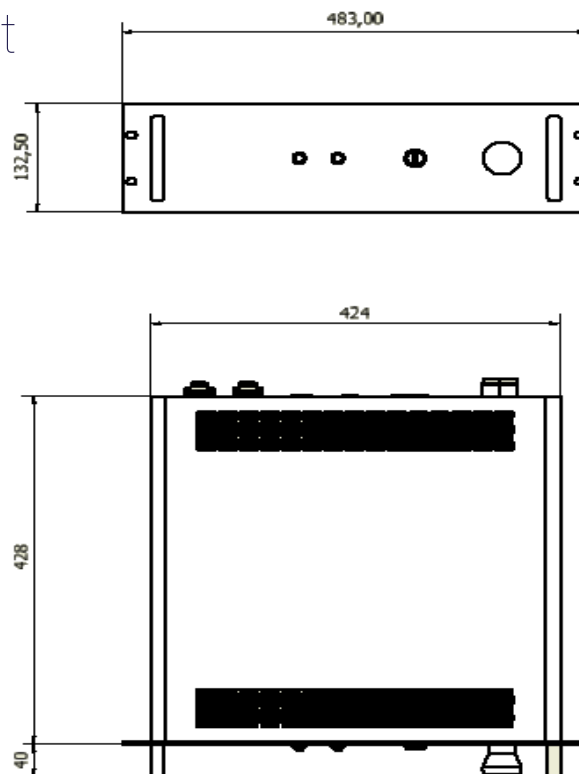
High Power Direct - Diode Laser System

GDL series

		GDL60	GDL150	GDL200	GDL300	GDL400
Wavelength	[nm]	1064 (*)	915 (**)	915 (**)	915 (**)	915 (**)
Diode module average power	[W]	60 CW	150 CW	200CW	300 CW	400 CW
Number of diode modules		1	1	1	2	2
Optical fiber core diameter	[μ m]	600	105	200	200	200
Numerical aperture		0.22				
Fiber length	[m]	from 3 up to 7				
Optical connectors		Mitsubishi/ SMA 905	SMA 905	SMA 905	SMA 905	SMA 905
Rack		2U	2U	2U	4U	4U
Focusing head		Configurable focusing distance, standard 100mm				
Collimator		Configurable beam diameter				
Power supply	[Vac; Hz]	90-240 ; 50-60				
Power consumption	[W]	<200	<350	<450	<700	<900
Standard communication (***)		USB/ETHERNET/ANALOG				
Compliance		2004/108/CE; 2006/95/CE; EN 60825-1; EN61010-1				

* Diode array ** 976nm available on request ***Ethernet or Profibus available on request

GDL series Layout



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 LASERSYSTEMS
custom industrial solutions

Via IV Novembre 116 - 21058 Solbiate Olona (VA) - ITALY
Tel: +39 0331 072637 - Fax: +39 0331 072695
www.gaplaser.com - info@gaplaser.com

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