



GAP LASER SYSTEMS

custom industrial solutions
part of **HID**

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 wavelenght 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

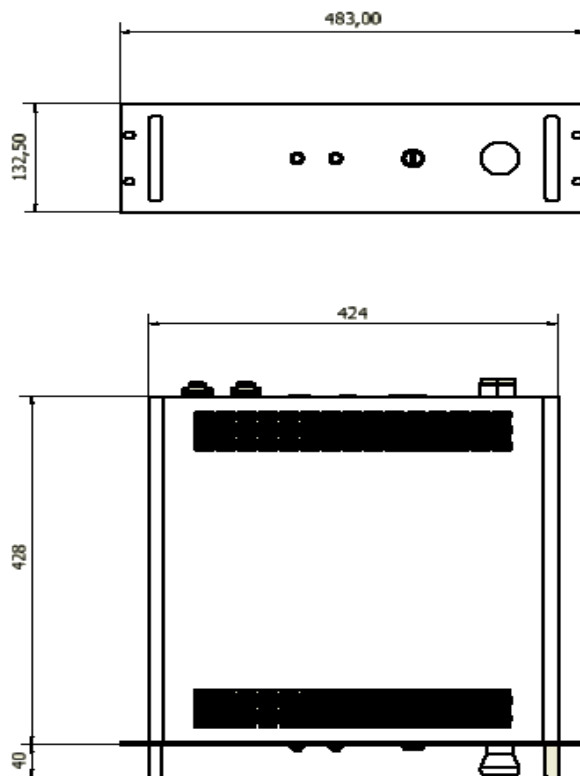


High Power Direct - Diode Laser System

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 lenght	[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



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

GDL Series Layout