

aqs GAP NET tyl crystal diode libra uv sirio  
femto custom industrial 3D  
orion fiber laser head mirror venus light dpss solutions  
Halin lens

# **GAP** LASER SYSTEMS®

Trademark registered by **IXLA**  
part of **HID**

High Power Direct - Diode Laser System

## **GDL series**

Laser Solutions for Industrial Application

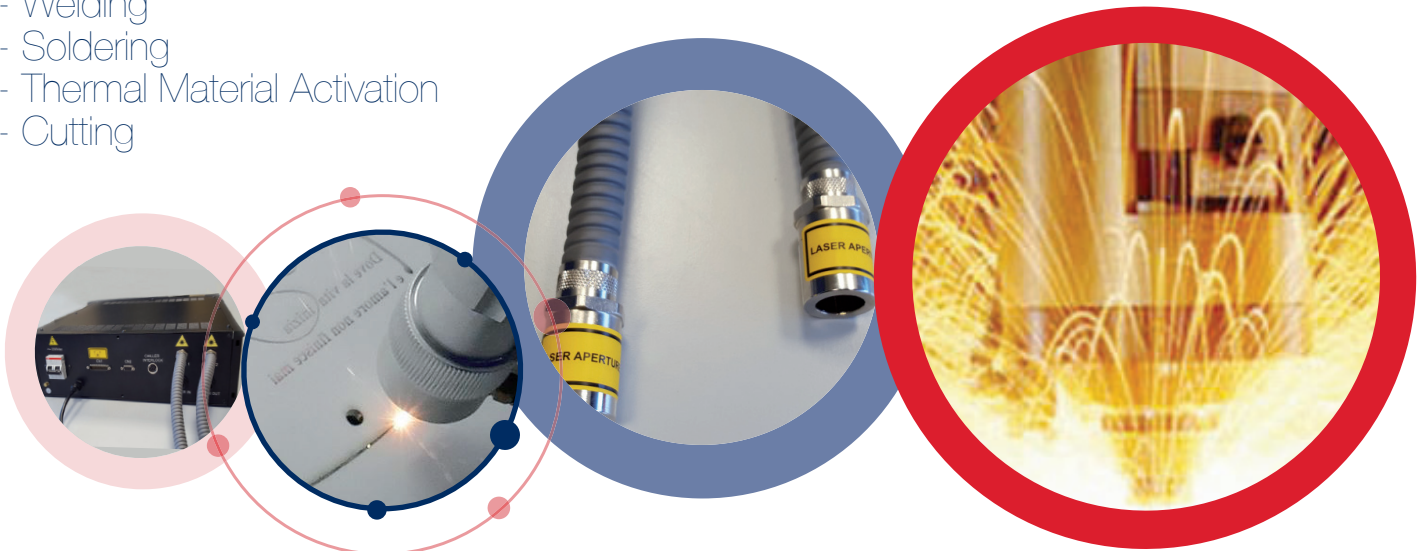
### Features

- Configurable system with 1 or 2 diode modules
- CW or QCW diode modules
- Configurable 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

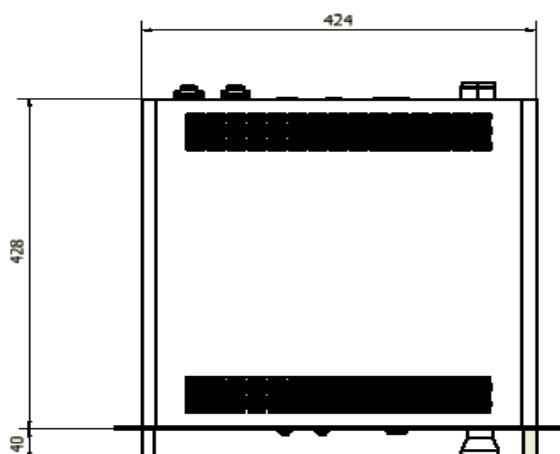
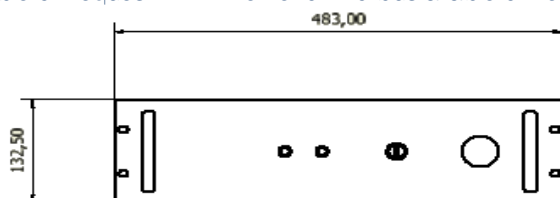


# High Power Direct - Diode Laser System

## 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 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



#### Legal and operational headquarter:

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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.



BUREAU  
VERITAS

Ixla srl: a certified and ISO 9001:2008 Company