

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

# **GAP** LASERSYSTEMS

custom industrial solutions  
part of **HID**

FIR Laser Marking Source

## **LYBRA CO2**

Laser Solutions for Industrial Application



### Features

- From 30W to 100W
- Suitable for marking and engraving on transparent, composite (glass, lexan,...) and organic materials (wood, leather,...)
- Air cooled
- 100 or 200 mm. focal lens available

### Application

- Marking and engraving
- Drilling and cutting
- Material processing
- Heating
- Surface modification



# FIR Laser Marking Source

## LYBRA CO2

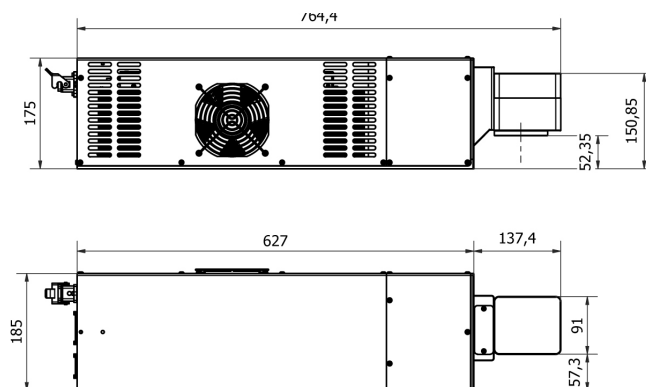
### LYBRA

|                                     |   |
|-------------------------------------|---|
| Source                              | CO2                                     |
| Wavelength [nm]                     | 10600                                   |
| Average Power [W]                   | 30-40-60-100                            |
| Beam quality (mm.) 1/e <sup>2</sup> | 2.1                                     |
| Rise Time [μ sec.]                  | <75                                     |
| Pulse Duration [μ sec.]             | 10-200                                  |
| Duty cycle                          | 0-100%                                  |
| Polarization                        | Random                                  |
| Marking speed [mm./sec.]            | up to 7000                              |
| Cooling                             | Air                                     |
| Power consumption [W]               | <850                                    |
| Communication (*)                   | RS232                                   |
| Focal lens                          | 100mm. (70x70mm.) - 200mm. (140x140mm.) |

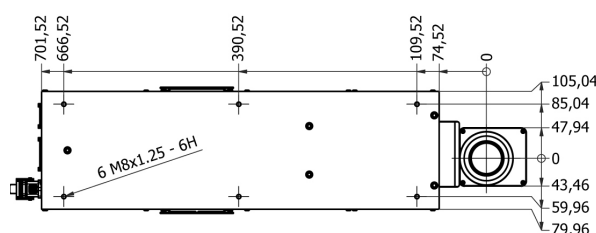
\*Different Beam Diameter available upon request



### LATERAL FIXING HOLES



### LOWER FIXING HOLES



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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**LIBRA CO2 LAYOUT**