

aq<sup>s</sup> GAP NET tyl crystal diode libra uv sirio  
 femto custom industrial 3D  
 orion fiber laser head mirror venus dpss solutions  
 Halin lens light

**GAP LASER SYSTEMS**  
*custom industrial solutions*  
 part of **HID**

3D OEM-MARKER&FIBER VERSION

# 3D SCAN HEAD

## 3D Features

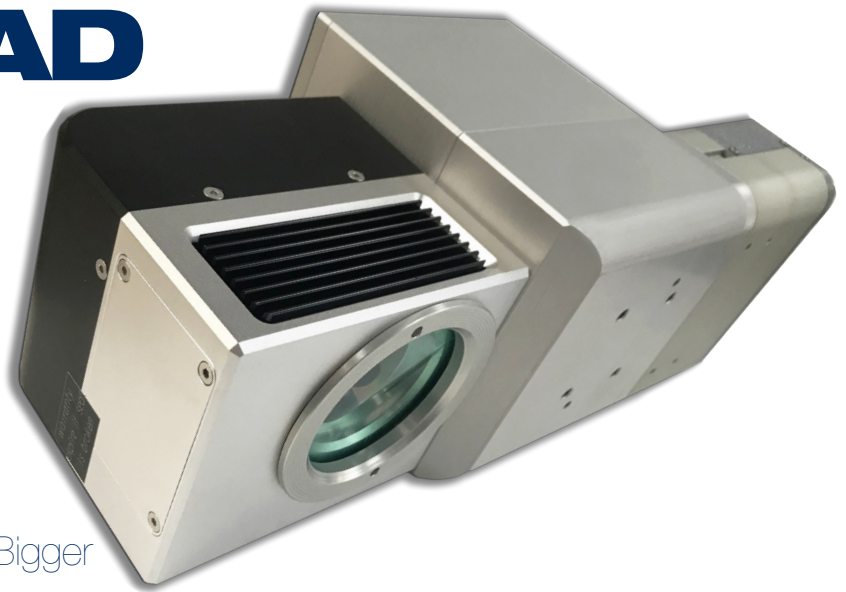
3D Liquid Crystal Lens Granting:

- High depth ranges
- High focusing accuracy
- No mechanical lens movements
- No external focal lens

Standard Optical Configuration with:

- Simil 160,254,330 mm.

Additional Optical Modue for Covering Bigger Marking Area Till 1x1m.

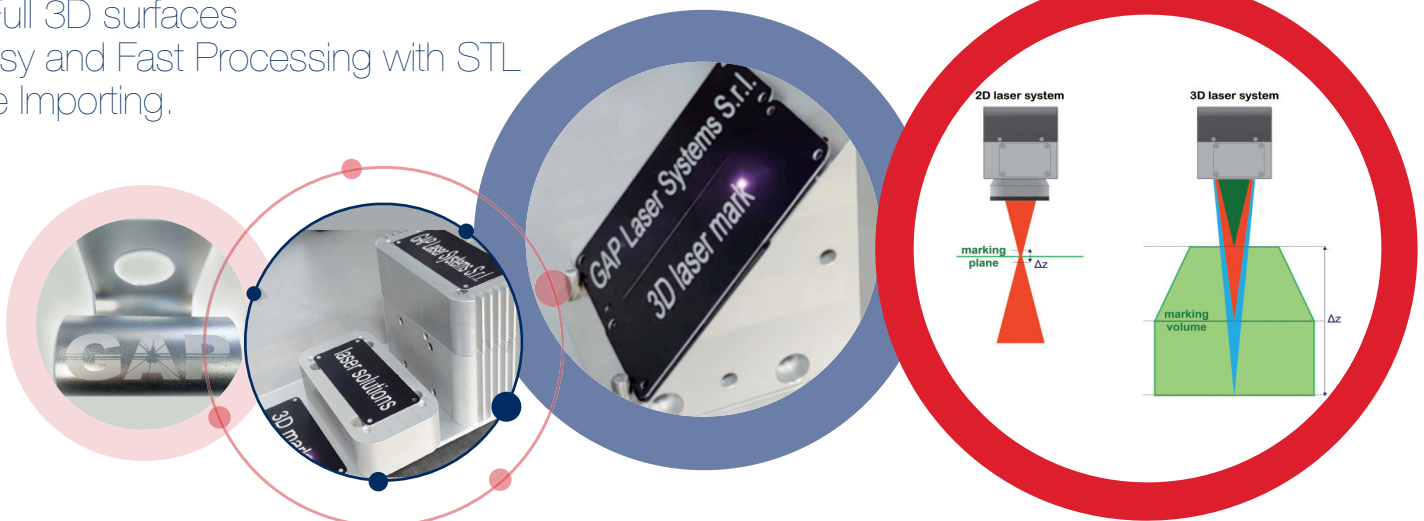


## Applications

Marking on:

- Cylindrical, Spherical, Staggerred, Inclined
- Full 3D surfaces

Easy and Fast Processing with STL File Importing.

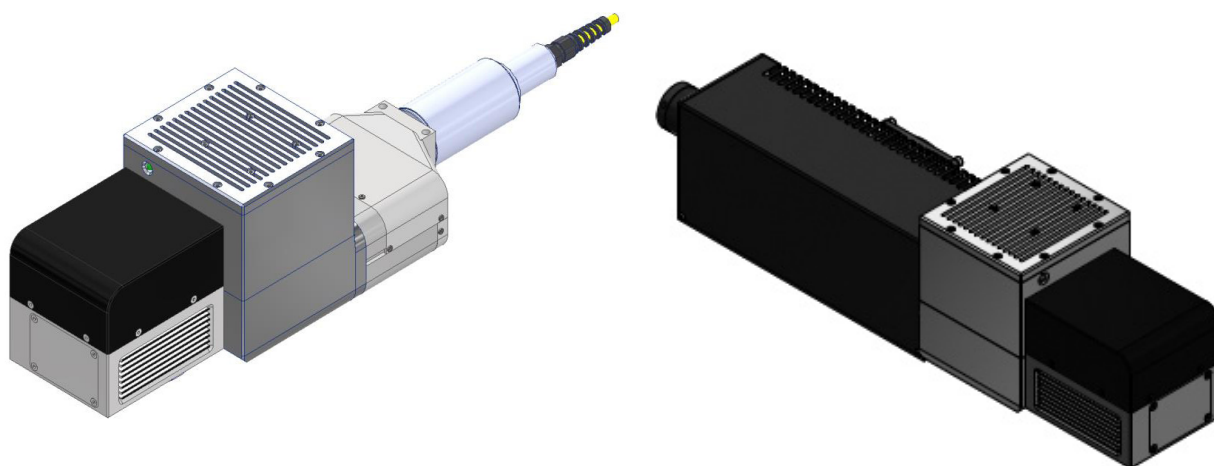


3D OEM-MARKER&FIBER VERSION

# 3D SCAN HEAD

		AQS10	Fiber 20W(*)	TYL12
Laser Type Medium		Nd:YVO4	Pulsed Fiber Laser	Q-switched DPSSL
Wavelength	[nm]	1064	1060 ~ 1085	1064
Average Power	[W]	10 CW	20	12 CW @ BEX output
Rep. Rate	[kHz]	10 - 100 in Q-Switch	20-80	5 - 200 in Q-Switch
Beam quality	[M2]	<2	<1.8	<1.5
Polarization			Random	
Pulse energy	[mJ]	-	1@20 KHz	>800 @ 5kHz
Power Supply	[Vac; Hz]	100-240V,50/60Hz-300VA	90-240 ; 50/60	90-240 ; 50/60
Cooling			Air to Air	
Communication			RS232 or Ethernet	

\* 3D ALSO APPLICABLE TO FIBER LASER WITH 30W AND 50W AVERAGE POWER



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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3DAQS10/TYL12/FIBER Version