

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

3D OEM-MARKER&FIBER VERSION

# 3D SCAN HEAD

## 3D Features

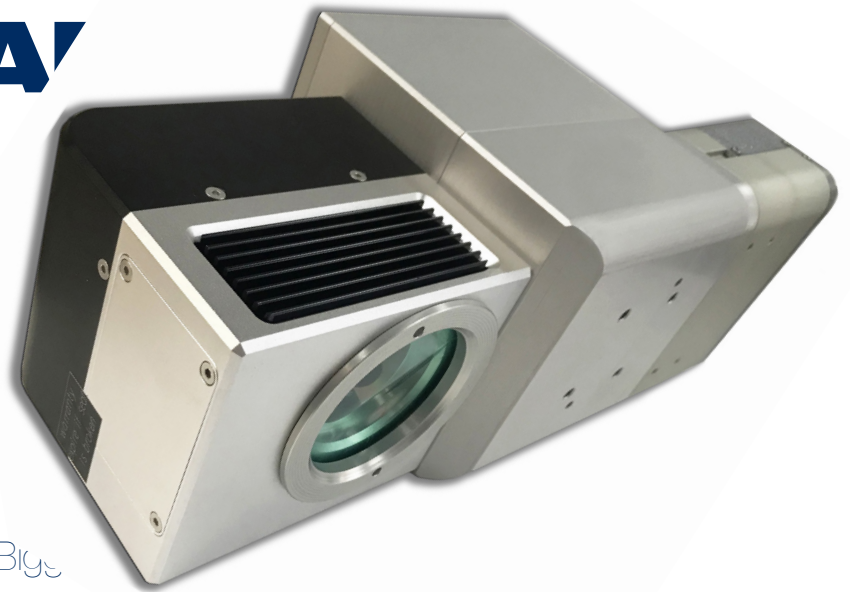
3D Liquid Crystal Lens Granting:

- 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 Big  
 Marking Area Till 1x1m.



## Applications

Marking on:

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

Easy and Fast Processing with STL  
 File Importing.

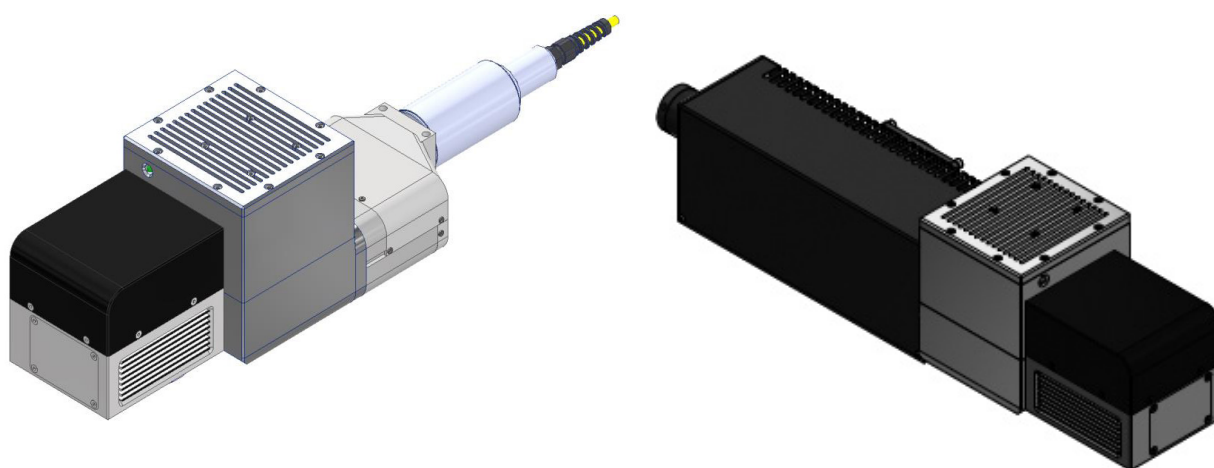


3D OEM-MARKER&FIBER VERSION

# 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



ISO 9001  
BUREAU VERITAS  
Certification



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



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.

## Legal and operational headquarter:

IXLA srl: Via Ponte Chiusella, 28  
10090 Romano Canavese (TO)  
Tel. +39 0125.719.286  
www.ixla.it - info@ixla.it - gaplaser@pec.it D SDI: SUBM70N  
C.F. e P.IVA it 02075540035 D REA TO 1141740

## Laser operational and administrative headquarter:

Via IV Novembre, 116  
21058 Solbiate Olona (VA)  
Tel. +39 0331.072.637  
www.gaplaser.com - info@gaplaser.com

3DAQS10/TYL12/FIBER Version