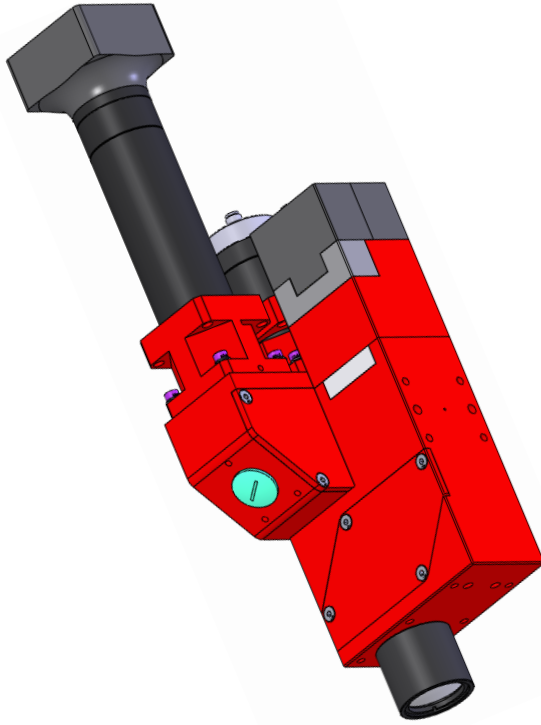


## LH-501 Laser Processing Head



Laser Process Head  
offering

QBH, LLK-A, D80, FSMA905  
connectors

Dual Wavelength  
treatment

Co-axial process control

### Typical Applications

Laser Soldering  
Plastic Welding  
Heat treatment

Fiber coupled laser up to 500W

### Features

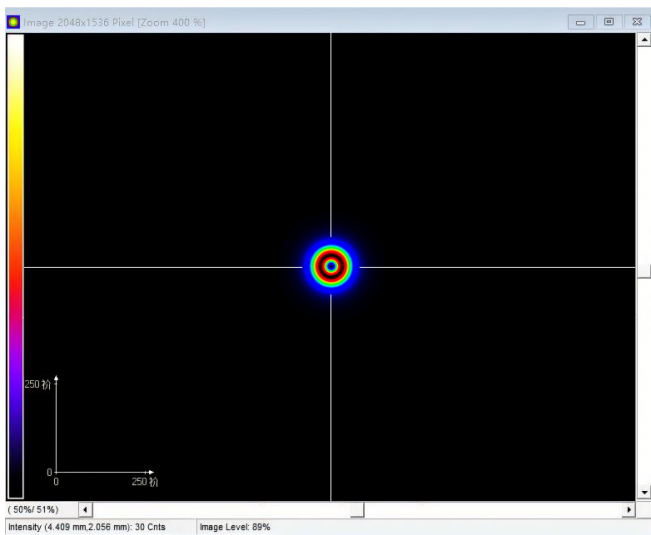
Beam shaping  
View port for camera and pyrometer  
Air knife

Solder Wire feeder  
LASCON® Controller and  
Camera Manager for process control

# Technical Date

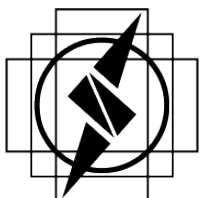
	<b>LH-501</b> (Laser Processing Head)
Optical power:	up to 500W ( 250Wcw) with fiber coupled laser
Spectral range:	Diode Laser: 808 - 980nm,Fiber laser: 1050 - 1070nm
Spot Size:	400-1500μm
Optics:	1.0"; AR coated, 23mm max. apperture
Fiber connector:	FSMA905, D80, LLK-A (connection of various fibre laser collimators available)
Fiber diameter:	typical 100μm - 600μm
Num. Aperture:	typical 0.22 others on request
Sighting:	Video port for camera , ring light illumination, coaxial pyrometer
Pilot Laser:	Class 2. Wavelength 650nm +/- 10nm, via fibre coupled pyrometer
Process Control:	Closed loop temperature process control via fiber coupled pyrometer and LPC04 LASCON Controller <sup>®</sup> ; Camera Manager for postion control
Ambient temperature:	5-55(°C ) for operation, no condensation
Dimensions:	122 x 40 x 220(mm)
Weight:	0.8 kg head with pyrometer, 1.3 kg head with pyrometer and camera
Protection: IP50	IP50
CE label:	According to EU directives for electromagnetic immunity
Conformity:	The RoHS Directive 2011/65/EU of 2011-06-08 with supplement from 2015-03-31 is fulfilled

## Shape Beam Profiles



Round-Homogenized

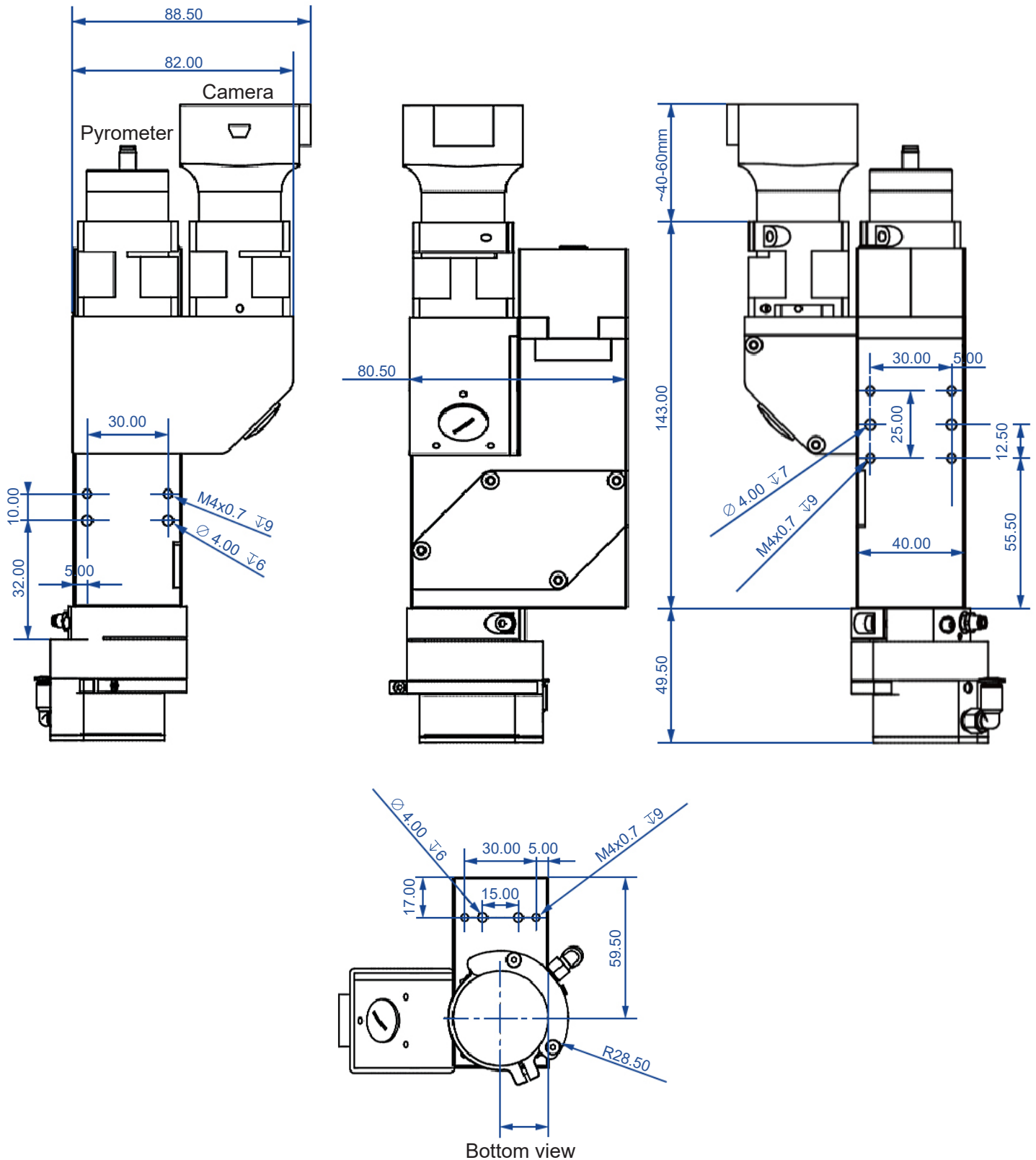
You are solely responsible for selecting the appropriate product for your application, validating and testing your application, and ensuring your application meets applicable standards, and any other safety, security, or other requirements. Data are subject to be changed without notice.



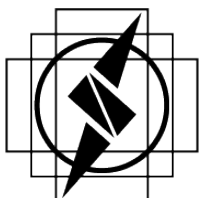
**ultimate laser processing**

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# Dimensions



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