

LH501-M
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

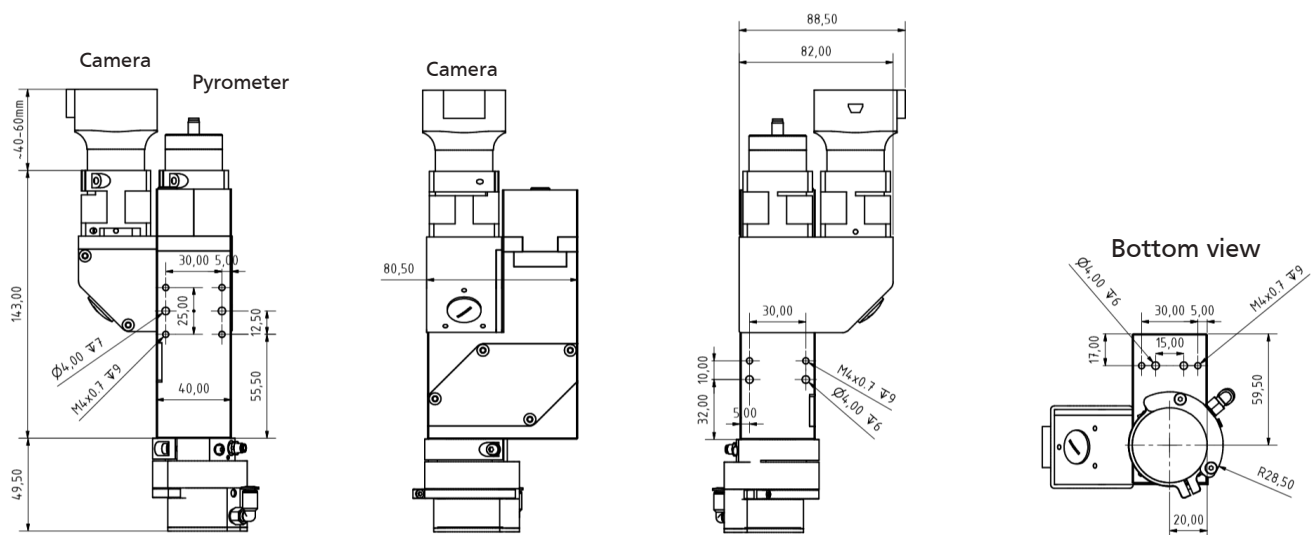
Beam shaping
View port for camera and pyrometer
Air knife

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

Technical Data

	LH501-M (Laser Processing Head)
Optical power:	up to 500W (250Wcw) with fiber coupled laser
Spectral range:	808nm - 980nm
Optics:	1.0"; AR coated, 23mm max. aperture
Fiber connector:	FSMA905, D80, LLK-A (connection of various fiber laser collimators available)
Fiber diameter:	typical 100µm - 600µm
Num. Aperture:	typical 0.22 others on request
Sighting:	Video port for camera , ring light illumination
Pilot Laser:	Class 2, Wavelength 650nm +/- 10nm, via fiber coupled Pyrometer
Process Control:	Closed loop temperature process control via fiber coupled pyrometer and LPC04 LASCON Controller®; Camera Manager for position control
Ambient temperature:	5°C to 55°C for operation, no condensation
Dimensions:	122 x 40 x 220mm
Weight:	0.8 kg head with pyrometer, 1.3 kg head with pyrometer and camera
Protection:	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

Dimensions



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

Dr. Mergenthaler GmbH & Co. KG
Lilienthalstraße 14, D-89231 Neu-Ulm, Germany
+49-731-159790-40
info@ma-info.de
www.ma-info.de