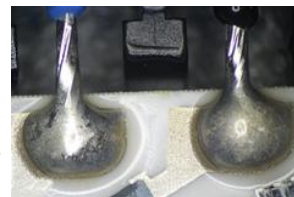


LH103

Low Power Laser Head



Small size processing Head
offering
Highest application flexibility



Application example:
Laser soldering LH103 with SWF100

Typical Applications

Laser Soldering
Plastic Welding
Heat treatment

Fiber coupled laser up to 200W

Features

Beam shaping
View port for camera and pyrometer
Small size and low weight

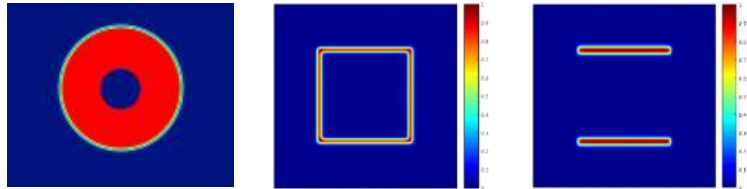
Solder Wire feeder
LASCON® Controller and
Camera Manager for process control

Technical Data

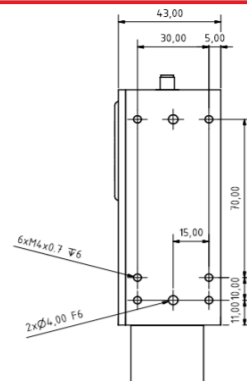
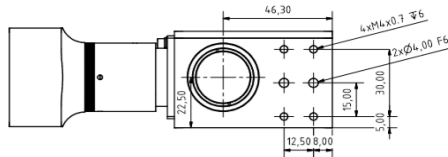
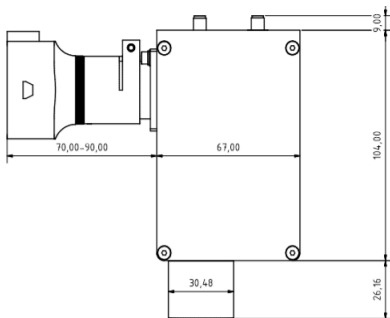
	LH103 (Low Power Laser Head)
Optical power:	up to 200W with fiber coupled laser
Spectral range:	808nm - 980nm
Optics:	1.0"; AR coated, focal length and beam shaping on request
Fiber connector:	FSMA905
Fiber diameter:	typical 100µm - 600µm
Num. Aperture:	typical 0.22 others on request
Sighting:	Video port for camera, ring light illumination
Pilot Laser:	Class 2, 650nm +/- 10nm, via fiber coupled Pyrometer
Process Control:	Closed loop temperature process control via fiber coupled pyrometer and LPC-04 LASCON Controller®; Camera Manager for position control
Ambient temperature:	5°C to 55°C for operation, no condensation
Dimensions:	approx.: 50 x 110 x 180mm, Optics: dia 30.6mm, length 100mm
Weight:	0.7 kg
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

Wide range of beam shapers availabel:

e.g.: rectangle and round formats
lines, double lines



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

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