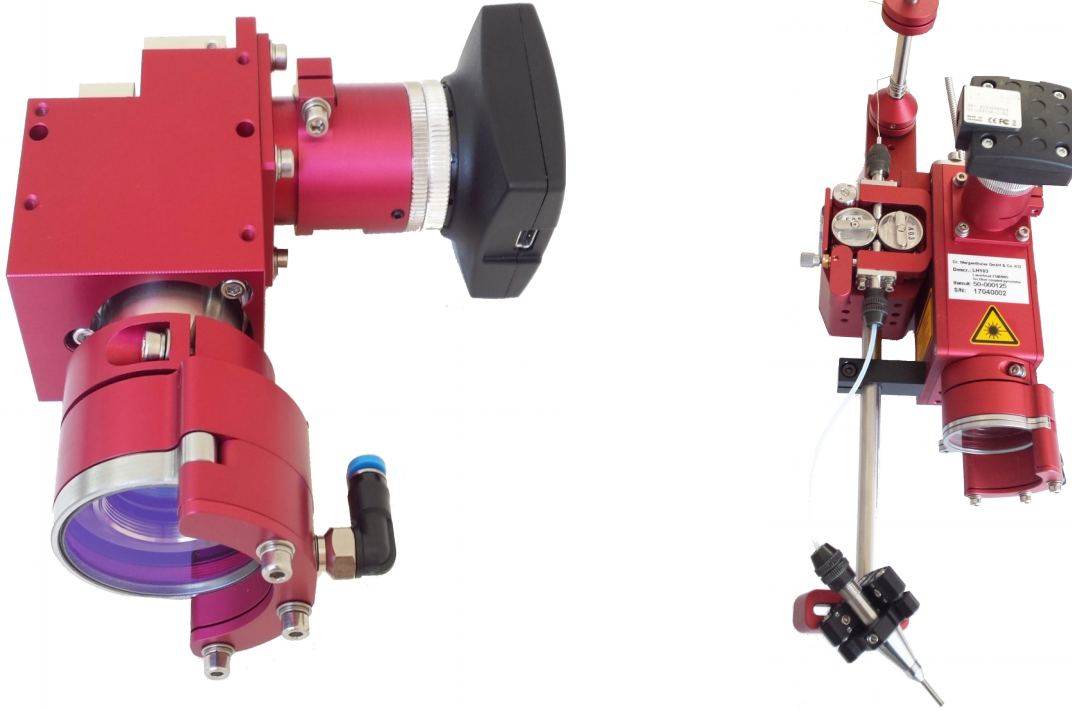


Low Power Laser Head LH103



LH103 with Solder Wire Feeder
for Laser Soldering

Especially for applications with restricted space we offer a very small sized laser head with a view port for a coaxial fiber coupled infrared pyrometer and a video camera . The fiber coupled infrared pyrometer is projected into the laser beam by a beam splitter. The pyrometer signal is digitalized inside the LASCON controller with a resolution of 20 bits every 0.1ms . The infrared signal is send to the LASCON controller by a armored glas fiber cable. This set up guaranties highest protection against emi as all components in the laser head are only optical. The laser head is capable for laser power up to 100W laser power and we offer different glas fiber diameters and lengths.

Technical data:

Optical Power:	for fiber coupled lasers max. to 100 W
Wavelength:	808nm - 980nm
Optics:	AR coated 1.0"-optis, focal lenth on customers request
Pyrometer:	140°C – 650°C , infrared pyrometer , optional < 100°C
Acquisition Time:	100µs
Software:	LASCON® Process Manager, unique measurement and control software
Hardware:	LASCON controller
Usable fiber connector:	FSMA905
Fiber diameters:	typical 100µm-600µm
Num. Aperture:	0.22, others on request
Laser Spot:	with working distance 100mm approx. 2x fiber diameter
Dimension of laser head:	50mm x 110mm footprint, height approx. 180mm (depending on bending radius fiber)
Protection:	IP50
Weight:	0.7 kg
Pilot laser beam:	Pilot laser, Laser Class 3R, Wavelength 635nm Adjustable by LASCON® Laser Controller

