

Laserkopf LH501



The laser head LH501 is an ideal tool for laser material processing when connected with a fiber coupled diode laser. The LH501 can be used for laser plastic welding, laser soldering and laser heating. The laser head can be equipped with a fiber coupled infrared pyrometer and video camera. The camera and the pyrometer are projected coaxial to the laser beam by beam splitters. The video camera is mounted flexible and can be refocused if laser processing is done out of the laser focus. The beam splitter cube of camera and pyrometer can be mounted also in a 90° version to save space. The temperature of the laser head can be controlled by external air or water cooling, if necessary. An additional process gas or air tube can be connected to the laser head. The picture shows the laser head with camera and fiber coupled infrared pyrometer. For the laser head with camera **or** pyrometer, the upper beam splitter cube is not necessary.

Technical data:

Max. laser power	500 W
Connectors Laser Fiber	SMA905, D80, LLK-A
Pyrometer	Infrared or 2 colour pyrometer 10.000 temperature measurements per second Temperatures typical from 70°C – max. 1800°C ,in diff. temperatur ranges. Lowest temperature depending on focus length and fiber diameter
Video camera	USB colour camera with SXGA (1280x1024)resolution
Software	Camera: LASCON Camera Manager (cross hair, file storage) Pyrometer: LASCON Process Manager
Ring light	Illumination for the work piece
Protection	IP40
Weight	1,2 kg
Dimension	122mm x 40mm foot print, length aprox. 220mm