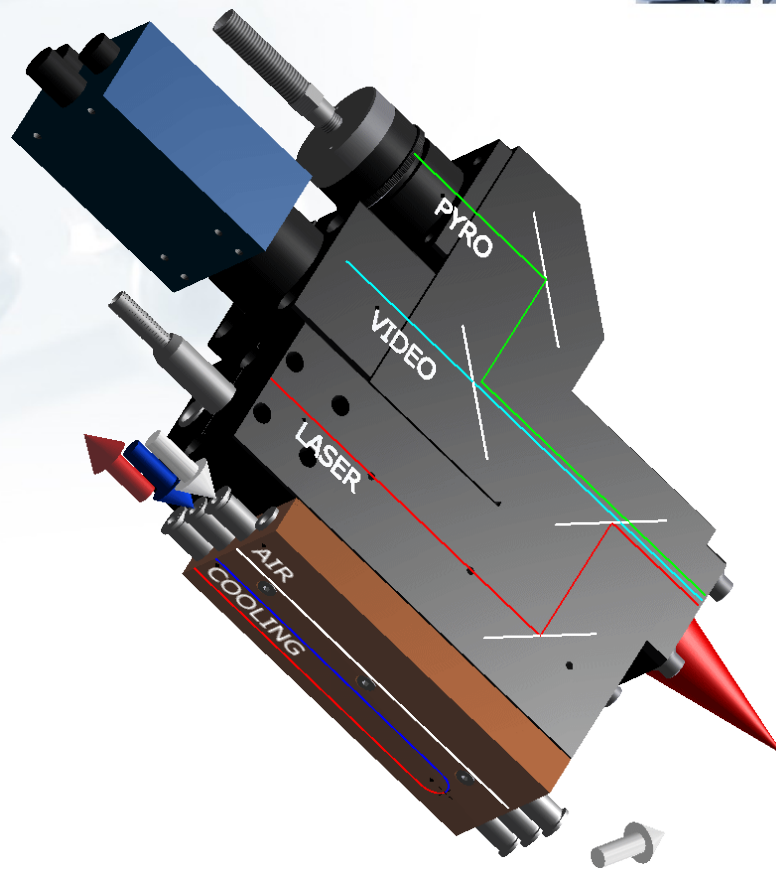


## Laser head LH500-M



Dr. Mergenthaler GmbH & Co. KG

The laser head LH500-M is an ideal tool for laser material processing when connected with a fiber coupled diode laser. The LH500-M can be used for laser hardening, laser plastic welding and laser soldering. The laser head can be equipped with an infrared pyrometer and a video camera. The camera and the pyrometer are projected coaxially into the laser beam by beam splitters. The video camera is mounted flexibly and can be refocused if laser processing is done out of the laser focus. The temperature of the laser head can be controlled by external air or water cooling. An additional, process gas or an air tube can be connected to the laser head to build an air knife at the front lens. The picture shows the laser head with camera and infrared pyrometer. For the laser head with camera or pyrometer, the upper beam splitter is not necessary.

### Technical data:

Max. laser power:	500 W
Pyrometer:	10.000 temperature measurements per second Temperatures from 160°C – max. 1800°C in different temperatur ranges

Maximum cable:	Max. cable length between controller and laser head is 11m
Video camera:	Analog, black&white
Options:	Cross hair generator Ring light illumination for the work piece Gas nozzle

Protection :	IP40
Weight:	1,5 kg
Dimension:	max. 250mm x 150mm x 45mm
Part number:	550-007 / 550-008 / 550-009