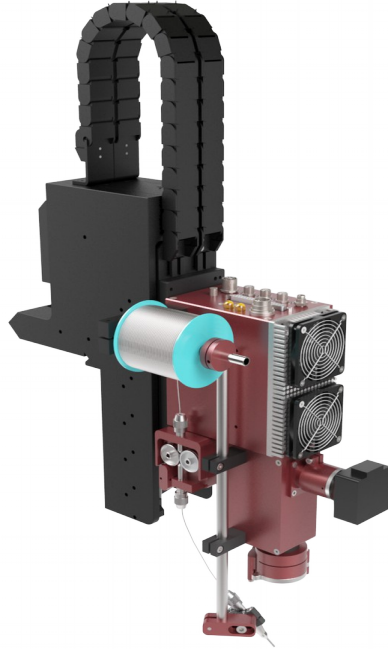


Intelligent Laser Processing Head ILPH



Laser systems and laser processing heads can usually only be integrated by specialists in machines and systems. The handling of fiber optic cables is critical. The ILPH is a complete laser processing system including diode laser (60W), LASCON® process controller, pyrometer, camera, optional wire feed controller and ring light source - all on board.

The ILPH can be mounted directly on a machine axis.

The ILPH requires only 2 cables: 24V dc and field bus Ethernet (optional EtherCAT)

Technical data:

- Laser power up to 60W
- Wavelength 978nm, others on request
- Glass fiber diameter: Pigtailed 100µm
- Laser spot diameter down to 100µm
- Easy to integrate in machines and plants via digital and analogue I / Os -> LASCON
- Easy to integrate with laser safety
- Bus connection: Ethernet or optional EtherCAT
- Integrated high-speed pyrometer with 10,000 measurements per second
- Temperature measuring range typically from 120 ° C, optionally from 70 ° C
- Integrated process controller for closed loop control with 10,000 control steps / s
- Software package for process control: LASCON Process Controller
- Software package for video camera: LASCON Camera Manager
- 256 programmable laser process scripts
- Data storage on internal flash disc
- Data export to the hard disk of a production server possible
- Power supply 24V, 8A max
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