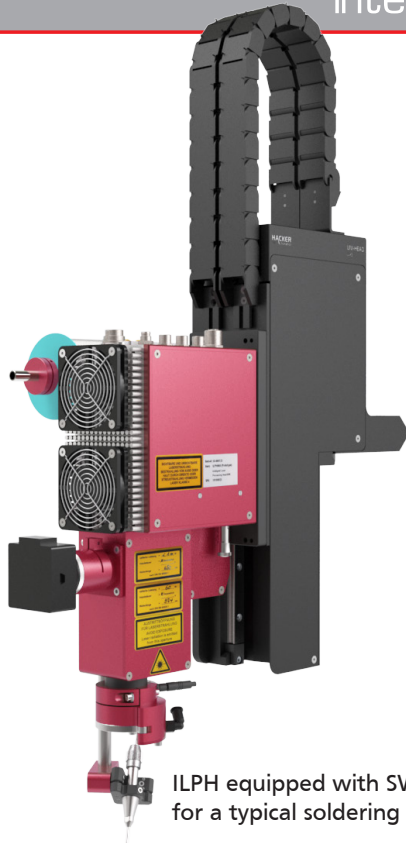


iLPH

intelligent Laser Process Head



iLPH equipped with SWF (solder wire feeder)
for a typical soldering application

All in one
laser process head
includes 60W laser
and
LASCON® full process control



Typical Applications

Laser Soldering
Plastic Welding
Heat Treatment

60W optical laser power
Closed loop temperature control
Power control

Features

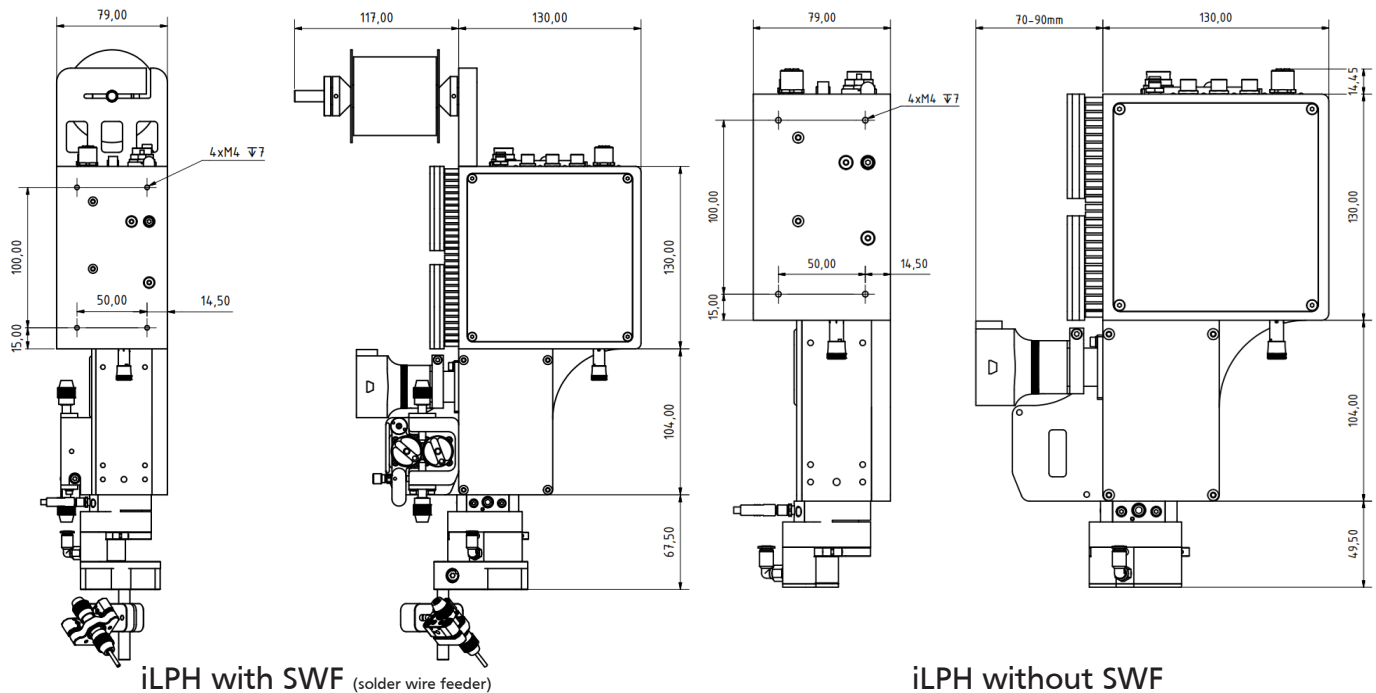
Easy integration
24V power supply
Ethernet connection

LASCON® Process Controller and
Camera Manager for process control
5000h process data storage

Technical Data

	iLPH (intelligent Laser Process Head)
Optical power:	up to 60W
Spectral range:	laser 975nm, pyrometer 1.65µm - 2.5µm
Optics:	1.0", AR coated, focal length on request
min spot size:	200µm@100mm, 300µm@150mm, 400µm@200mm, 500µm@250mm
Sighting:	Camera
Pilot Laser:	Class 2, 650nm +/- 10nm, via fiber coupled Pyrometer
Process control:	incl.LASCON® Process Controller for temperature and power control, script language
Process temperature control:	10kHz, Closed loop temperature control , 130°C up to 900°C,
Interface:	Ethernet, option EtherCAT
IO terminal :	6 analog IN, 3 analog OUT, 16 digital IN, 8 digital OUT (24V) (configurable via Software)
Power supply	24V, max. 8A
Software:	LASCON® System Manager, LASCON® Process Manager, LASCON® Camera Manager
Ambient temperature:	5°C to 40°C for operation, no condensation
Weight:	5kg incl. SWF (solder wire feeder)
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
Scope of delivery:	iLPH Laser Head, Software: LSM, LPM, LCM

Dimensions



iLPH with SWF (solder wire feeder)

iLPH without SWF



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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