

LM04

Diode Laser Module

Short wave (450nm) blue diode laser available

Long wave (1470nm) diode laser available



High Power
Industrial Laser



25W - 500W

450nm, 808nm, 915nm,
975nm, 1064nm, 1470nm

LASCON Process Control,
included fiber coupled 1C or 2C pyrometer

Typical Applications

Laser assisted bonding
Laser soldering and brazing
Laser plastic welding
Laser heat treatment

Laser power up to 500W

Features

LASCON® Process Controller included
Water-cooled or Air-cooled

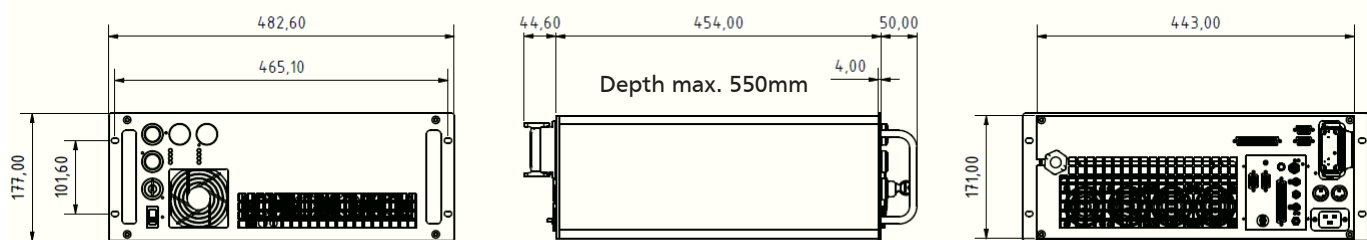
Turn key fiber coupled
Safety interlock performance level e
Detachable or pigtailed fiber

Technical Data

	LM04 Laser Module
Output power:	various models from 25W up to 500W optical power (maximum power depending on wavelength)
Laser safety:	laser class 4 (according to DIN EN 60825-1 Safety of laser products)
Wavelength:	450nm, 808nm, 915nm, 975nm, 1064nm, 1470nm
Laser type:	fiber coupled diode laser
Rise time t_{90} :	300 μ s
Operation mode:	cw, continuous wave
Cooling mode:	Air cooled up to 200W (depending on wavelength), external water cooler for higher power
Diameter of optical fiber:	100 μ m to 600 μ m
Optical fiber length:	3m, 5m, 10m , others on demand
Power Control:	LASCON [®] Process Controller / Process temperature control via 1C or 2C Pyrometer
Integrated interlock:	emergency stop: category 4, performance level e
Power supply:	230VAC (100VAC - 240VAC), 50Hz to 60Hz
Protection:	Front IP20
Ambient temperature:	+5°C to +35°C for operation, no condensation
Dimensions:	max. 550mm x 485mm x 178mm, 19"-4U-electronic rack
Weight approx:	25.0 kg

Dimensions

19" -4U electronic rack



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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