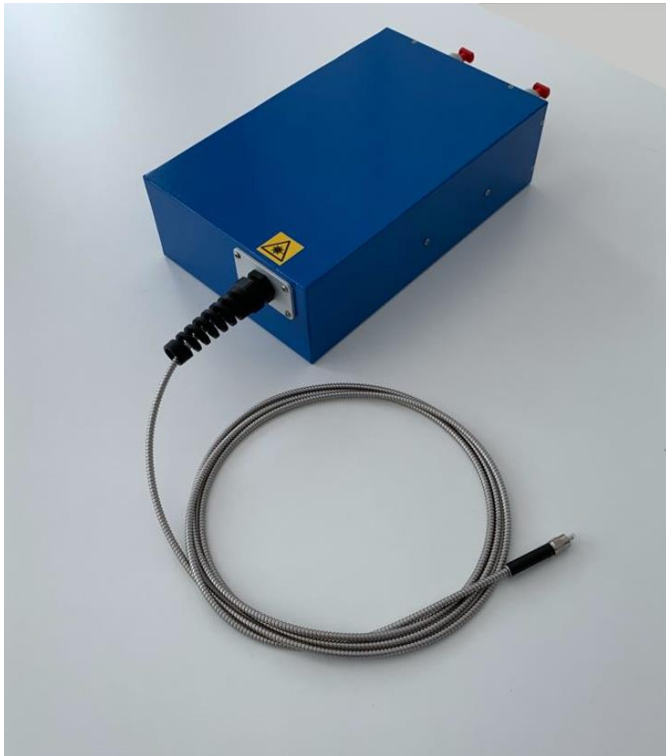


ZEPHYRUS

Fiber Coupled 450nm **30W** Diode Laser



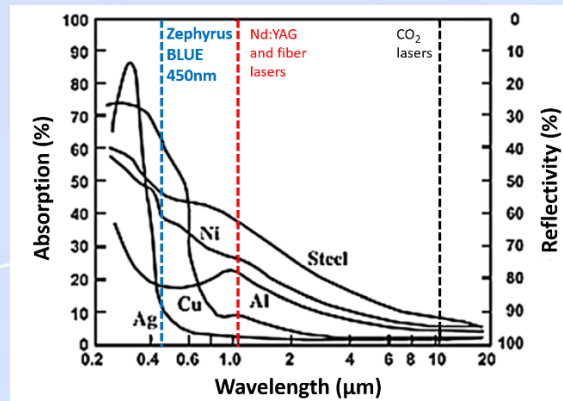
High Power
BLUE laser
diode for
soldering,
high-reflective-
metal welding
and **material**
processing

-
- SOLDERING ON PCB BOARDS
 - WELDING
 - MARKING OF THIN HIGH-REFLECTIVE MATERIAL FOILS
 - TEXTILE CUTTING AND MARKING
-
- Valid substitute to state-of-the-art IR lasers: 10x lower power densities required
 - Round homogeneous spot on working area
 - Ease of integration
 - Very-high processing speed
 - Detachable and reinforced optical fiber (suitable for harsh environments)
 - No consumables: long-lifetimes diode lasers
-

The latest technology for material processing

Thanks to the strong absorption of **BLUE 450nm** radiation by different kind of materials (up to 20x compared to IR wavelengths), Zephyrus can access the high-reflective-material processing market with lower power densities compared to state-of-the-art IR lasers.

Soldering of common THT, SMD and power electronics components, welding of thin high-reflective material foils and wires, as well as textile cutting and marking, are the ideal applications of this high-power CW BLUE laser.

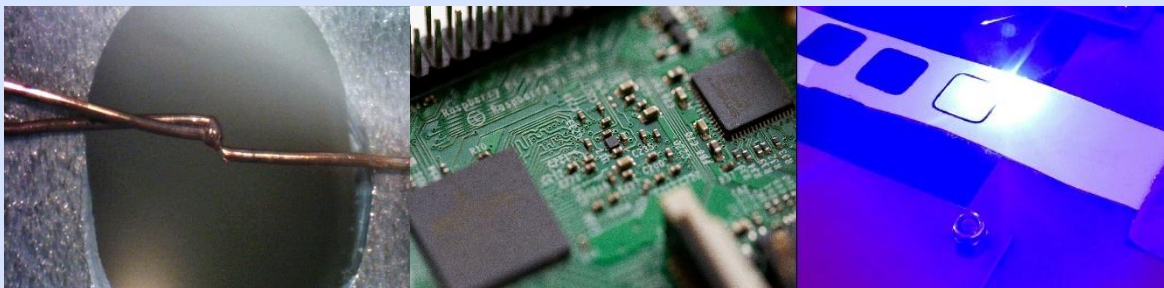


Technical Specifications

Wavelength	445nm +/-5nm
Output Power	30W
Operating Current	< 3.0A
Operating Voltage	36V
Working mode	CW/Pulsed
Beam delivery	Optical fiber
Fiber type	FC 200µm NA 0.22
Size	290x180x86mm ³
Cooling	Water
Optional	Focusing Head

* Conditions unless otherwise stated: typical parameters at 20°C water temperature.

* Reliability impacted if operating point deviates from reference condition



CONTACTS

LYOCON S.r.l.

Registered Office: Via Mercalli, 16 – 20019 Settimo M.se (MI) – Italy

Operational Headquarters: C.so Novara, 161 – 27029 Vigevano (PV) – Italy

Phone: +39 0381 453792

Fax: +39 0381 455213

E-mail: info@lyocon.com

Web: www.lyocon.com