

Air-cooled Direct Diode and Fiber Lasers



Features

- Up to 600 W
- High-efficiency
- Air-cooled
- Aiming beam
- 2RU or 4RU, 19" Rack
- Pyrometer option

OEI's direct diode laser systems are the highest power and most efficient air-cooled lasers on the market with up to 600 W of power in a single fiber or multiple, individually addressable fibers. Available in compact 2RU or 4RU 19" rackmount, the lasers are designed for high efficiency operation and low operation costs. Each unit is built-to-order in the USA and customizable with an array of beam shaping options (flat top, line, square, etc.), custom collimators, an integrated pyrometer, and a variety of fiber connectors. No chiller or external power supply needed - everything is housed in a compact, turn-key enclosure and ready to go out of the box.

Applications

- Polymer welding
- Soldering
- FPD bonding
- Heat treatment
- Medical treatment

Specifications	Unit	PE1000/2000-AC
Average Power	W	≤600
Wavelength	nm	400 - 1064
Operating Mode		CW/Modulated
Modulation Frequency	kHz	≤10
Power Stability	%	±2
Fiber Core Diameter	μm	105 - 1000
Ambient Air Temperature	°C	15 - 30
Supply Voltage	VAC	100 - 240
Fiber Connector		SMA, D80, QBH, LLK

