

2um Air-cooled Thulium Fiber Laser



- Features
- Up to 250W
- High-efficiency
- Air-cooled (no chiller)
- Compact 4RU 19"
- Turn-key laser system
- Aiming Beam
- Pyrometer option

PROVE WHAT'S POSSIBLE.

OEI's direct-pumped Thulium fiber lasers are the highest power and most efficient air-cooled 2um lasers on the market with up to 250W power output and **4x less power consumption than competitors** using indirect, cascade-pumped architectures. 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, and others.) Custom collimators, integrated pyrometry, and a variety of fiber connectors are available as well. No chiller or external power supply are needed - everything is housed in a compact, turn-key, 4RU enclosure and is ready to go out of the box.

- ### Applications
- Polymer welding
 - Medical treatments
 - Deposition
 - Remote sensing
 - Optical communication

Specifications	Unit	PE2000-2UM
Average Power	W	250
Wavelength	nm	1940
Linewidth (FWHM)	nm	±2
Operating Mode	-	CW/Modulated
Modulation Frequency	kHz	10
Power Stability	%	±1
Beam Quality	M ²	1.3
Fiber Core Diameter	µm	25, 200, 400
Fiber Connector	-	D80, SMA, QBH, LLK

