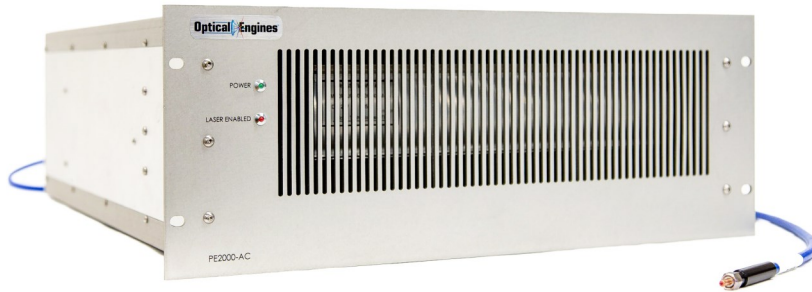


## 2 um Air-cooled Thulium Fiber Laser



### Features

- Up to 250 W
- High-efficiency
- Air-cooled (no chiller)
- Compact 4RU 19"
- Aiming beam
- Pyrometer option

OEI's direct-pumped thulium fiber lasers are the highest power and most efficient air-cooled 2 um lasers on the market with up to 250 W power output and **4x less power consumption than competitors** using indirect, cascade-pumped architecture. 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, 4RU enclosure and ready to go out of the box.

### Applications

- Polymer welding
- Medical treatment
- Deposition
- Remote sensing
- Optical communication

| Optical              | Unit           | PE2000-2UM         |
|----------------------|----------------|--------------------|
| Average Power        | W              | ≤250               |
| Wavelength           | nm             | 1940               |
| Linewidth (FWHM)     | nm             | ≤5                 |
| Operating Mode       |                | CW/Modulated       |
| Modulation Frequency | kHz            | ≤10                |
| Power Stability      | %              | ±1                 |
| Optical Noise        | % RMS          | ≤2                 |
| Beam Quality         | M <sup>2</sup> | ≤1.3               |
| Fiber Connector      |                | SMA, D80, QBH, LLK |

