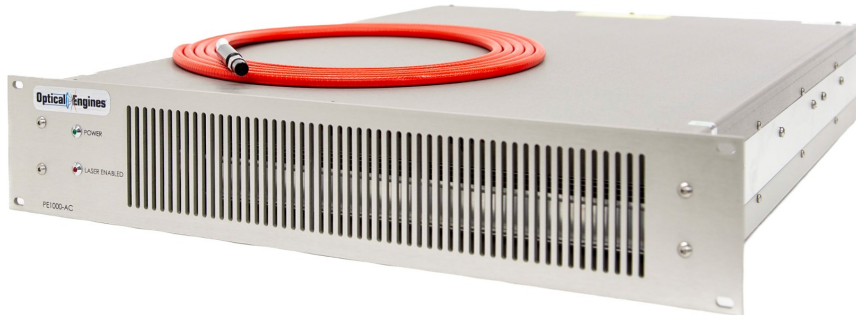


NEW 300/600 W Air-Cooled Fiber Laser For Additive Manufacturing



Features

- Up to 600 W
- Single mode beam
- Air-cooled (no chiller)
- Compact 2RU or 4RU
- Turn-key laser system
- Aiming beam
- Pyrometer option

OEI's air-cooled fiber laser is a simplified solution for the selective laser melting (SLM) market. The single-mode output with a near diffraction-limited beam and low output power variation is ideal for high resolution, fine-feature printing. With a range of core diameters and beam shapes to choose from, the system can also be tailored for specific spatial resolutions and build rates depending on the application. PowerLock technology uses feedback control to regulate the power output and keep fluctuations within 2%, even with air cooling. No chiller or external power supply is needed, the turn-key system is housed in a compact 2RU or 4RU enclosure and ready to go out of the box. Designed for high efficiency operation and low operating costs, each unit is built-to-order in the USA and customizable to suit your additive manufacturing needs.

Specifications	Unit	300 W	600 W
Average Power	W	300	600
Wavelength	nm	1060 - 1080	
Power Stability	%	±2	
Operating Mode		CW/Modulated	
Modulation Frequency	kHz	≤10	
Beam Shape		Gaussian or Top Hat	
Beam Quality	M ²	≤1.3	
Fiber Core Diameter	μm	20, 50, 100	
Fiber Connector		SMA, D80, QBH, LLK	
Cooling Method		Air	
Ambient Air Temperature	°C	15 - 30	
Supply Voltage	VAC	100 - 240	
Form Factor		2RU 19" rack	4RU 19" rack
Dimensions (W x H x L)	mm	430 x 80 x 560	430 x 170 x 560

