

OEI CPTEC Amplifier



NEW Monolithic Counter-Pumped Pulsed Fiber Laser Harness



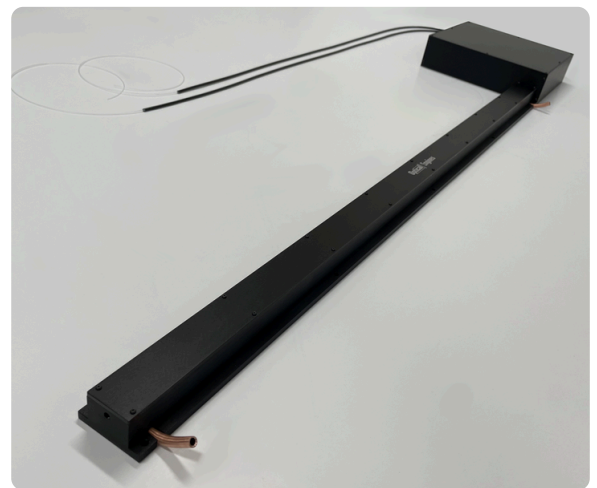
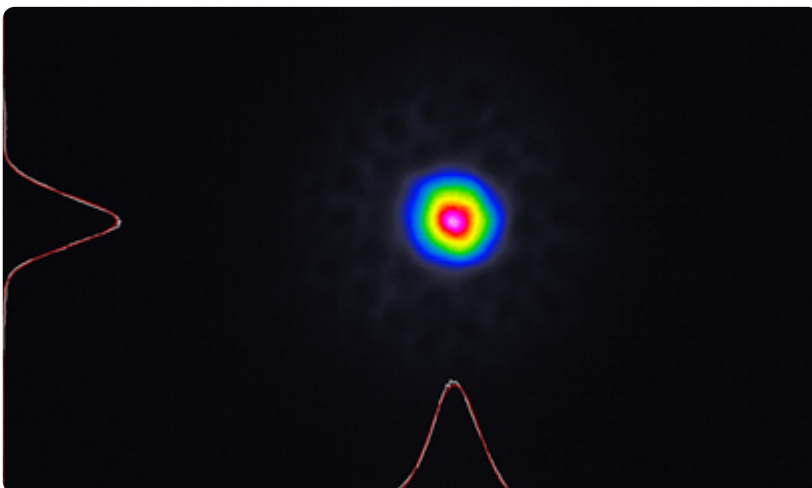
Features

- All-fiber design
- No free-space coupling
- Gain fiber agnostic
- Alignment insensitive
- Space qualified
- Integrated collimator
- 1, 1.55, and 2 μm outputs

PROVE WHAT'S POSSIBLE.

OEI's proprietary CPTEC design achieves the highest efficiency and lowest B-integral available in a monolithic fiber amplifier, allowing for higher energy levels with a better preserved spectral purity. All-fiber construction with fiber-coupled input and pump signals means no free space coupling and a rugged design that is space-qualified and robust enough for 24/7 industrial environments. The amplifier software enables the user to tailor arbitrary pulse shapes and patterns to precisely tune the output for any application. CPTEC is available in 1, 1.55, and 2 μm wavelengths with any LMA fiber and an optional integrated collimator.

Achievements	Gain Options	Applications
1 MW Peak Power	PCF Rod & Fiber	Ultrafast Amplifiers
1 mJ Pulse Energy	3C Fiber	Material Processing
90 fs Pulse Width	Tapered Gain Fiber	LIDAR/LADAR
200 W Average Power	VLMA Fiber	Digital Laser Arrays
1 kW QCW Output	XLMA Fiber	High-energy CBC Arrays



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