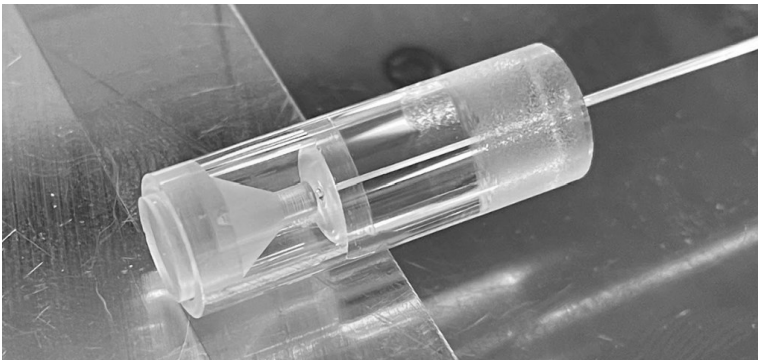


Monolithic Pulsed Fiber Lasers

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 included 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, or 2 um wavelengths with any LMA fiber and an optional, integrated collimator.

- Features**
- All-fiber design
 - No free-space coupling
 - Fiber agnostic
 - Alignment insensitive
 - Space-qualified
 - Integrated collimator
 - 1, 1.55 or 2 um output

Achievements	Fiber Options	Applications
<ul style="list-style-type: none"> ■ 1 MW peak power ■ 1 mJ pulse energy ■ 90 fs pulse width ■ 200 W avg power ■ 1 kW QCW avg power 	<ul style="list-style-type: none"> ■ PCF fiber ■ PCF rod ■ 3C fiber ■ Tapered gain fiber ■ PM, PZ, non-PM 	<ul style="list-style-type: none"> ■ Ultrafast amplifiers ■ Material processing ■ LIDAR/LADAR ■ Digital laser array ■ High-energy CBC array



Advanced Fiber Processing

OEI also offers world-class fiber processing capabilities to build custom fiber components and laser systems for demanding applications: compound double MFAs, combiners, harnesses, cladding light strippers, endcaps, collimated arrays, pump boxes, seeds, and amplifiers built with any type of fiber (PCF, 3C, PM, PZ, non-PM, and more). All fabrication done in-house for low cost and quick turnaround even on complex designs.

