

FEMTUM

Mid-Infrared Fiber Lasers

FEMTUM ASE 2800 - OE

Confidential

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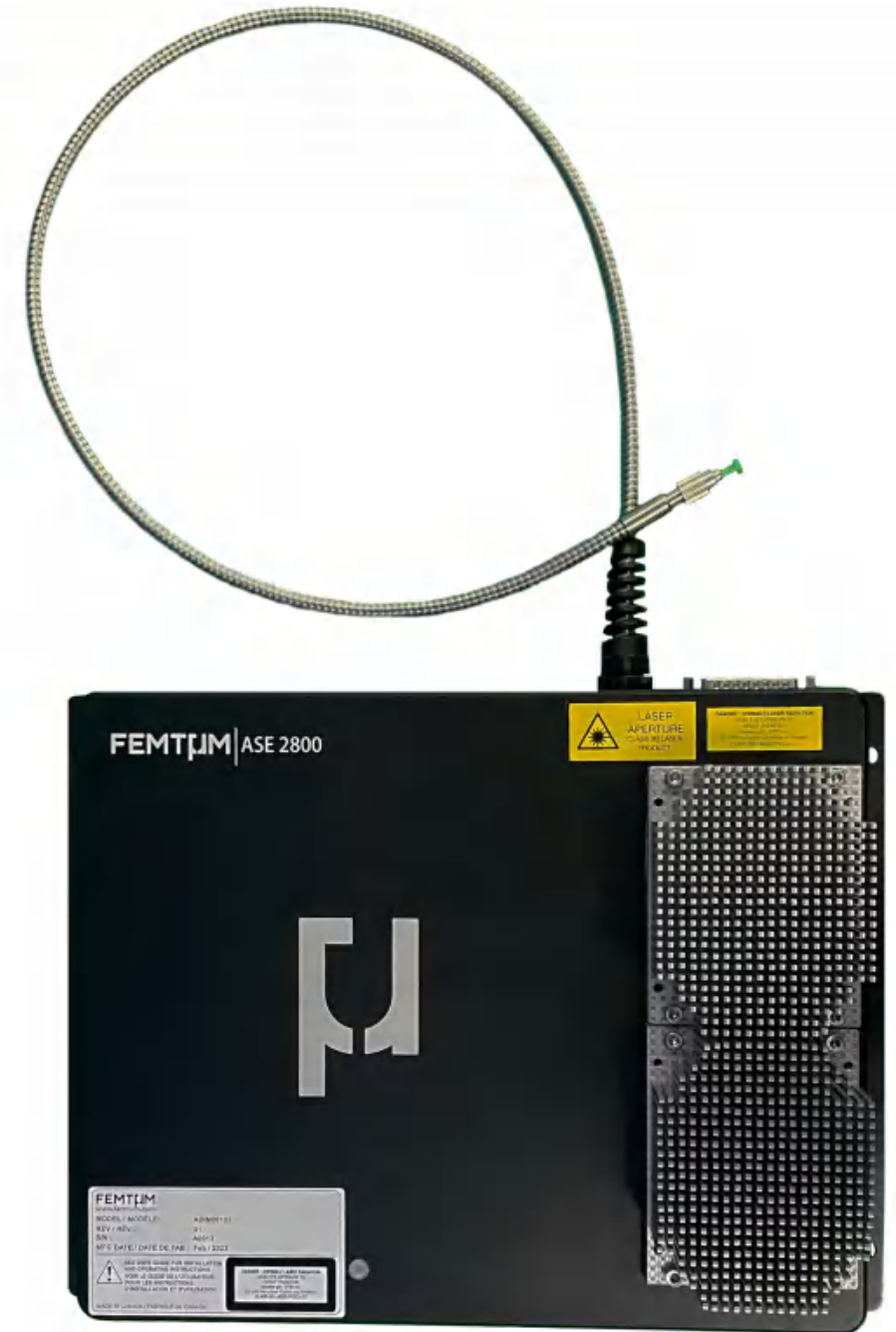
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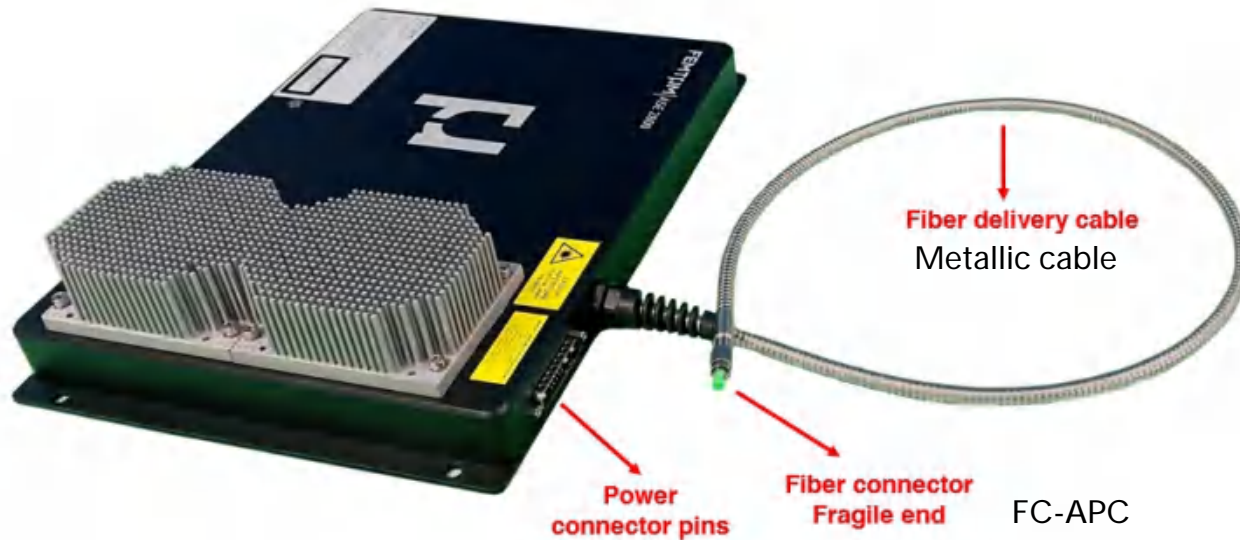
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OEM ASE 2800 nm source



DB9 connector, pins for :

- Interlock
- Power supply (5V)
- Current monitor
- Analog pin to drive current

Includes

Optics

Mid-IR Active Fiber, Endcaps, Pump combiner, Cladding Mode Stripper, Metallic fiber delivery, FC-APC connector,

Electronics (inside)

Pump diode, diode driver, DB9 connector

Mechanics

Compact enclosure from an extruded aluminium bloc
Heat sink cooling

Proposed OEM Custom ASE 2800 nm source

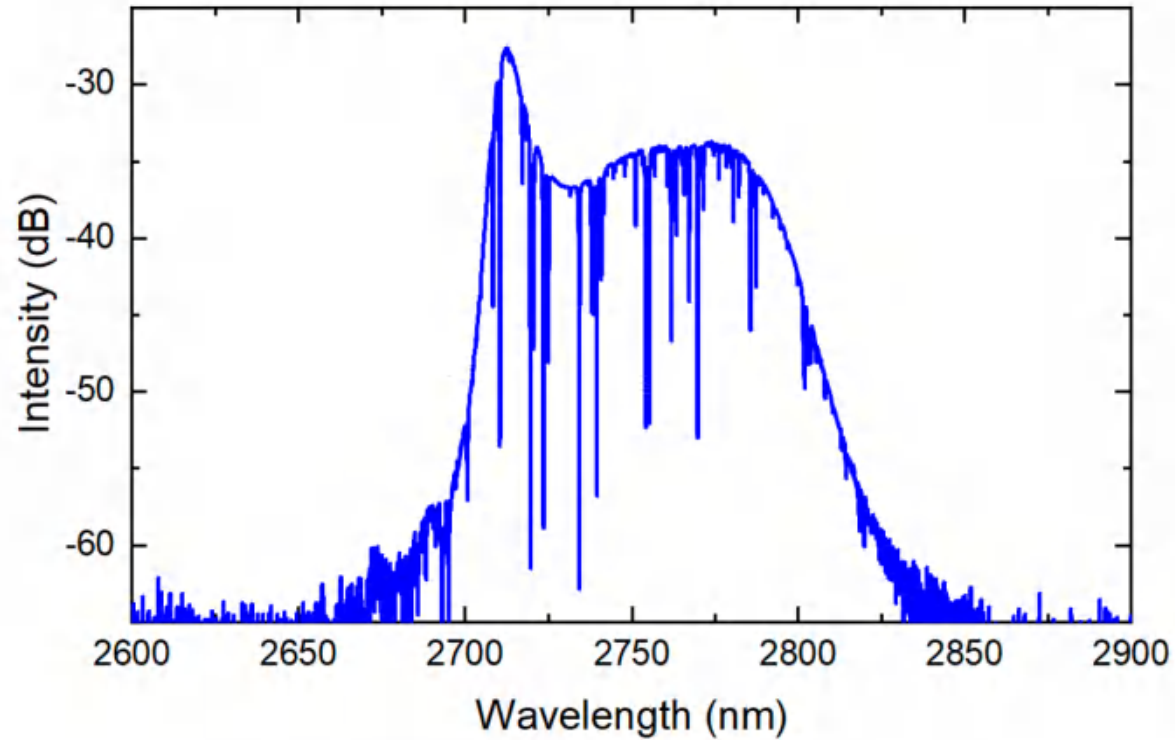


Fig.1 – Spectrum of the ASE source at 20 mW

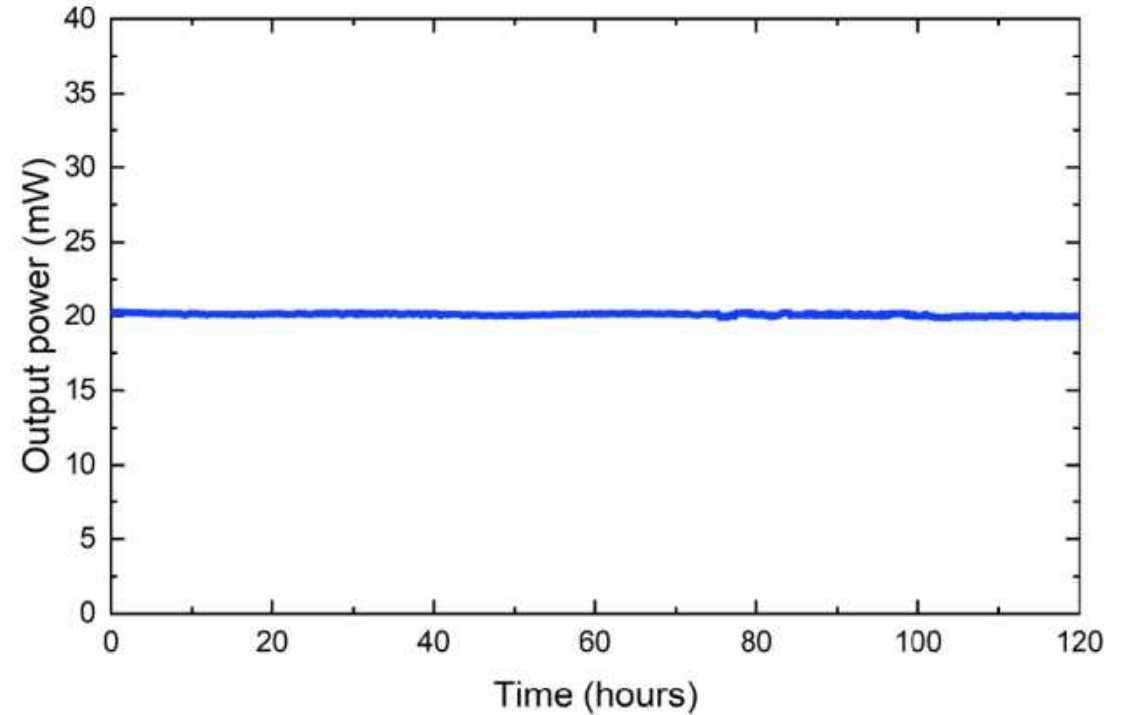
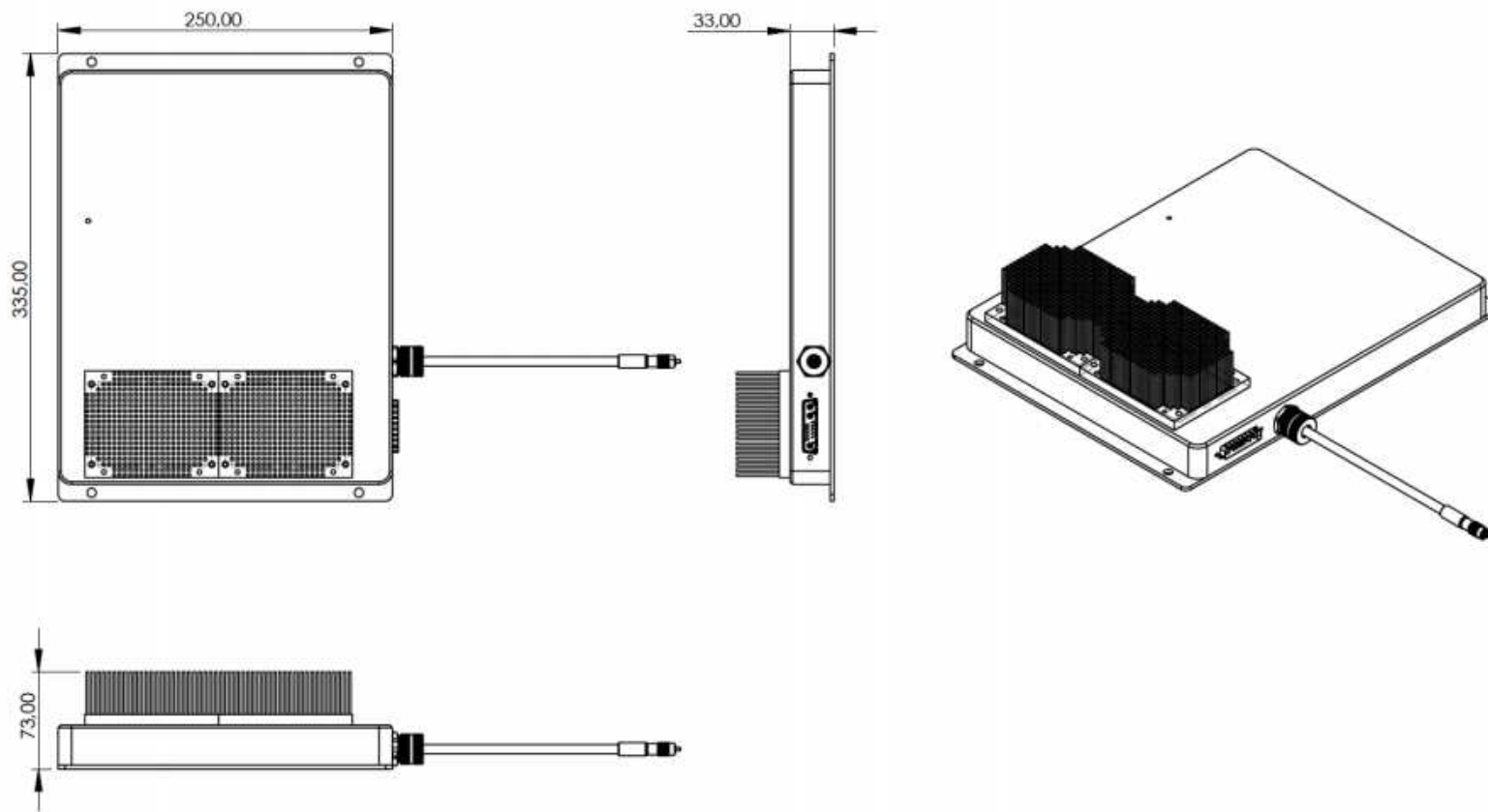


Fig. 2 – Evolution of the output power for 120 hours

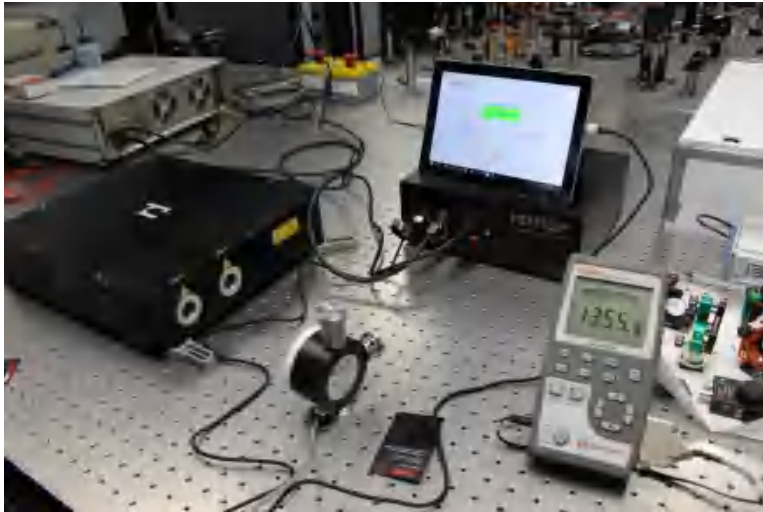
Optical Specs

- Spectral shape and bandwidth : 2700 nm-2820 nm
- Output average power : up to 20 mW.
- Need isolation after the source, not provided.
- Beam Quality : single-mode beam

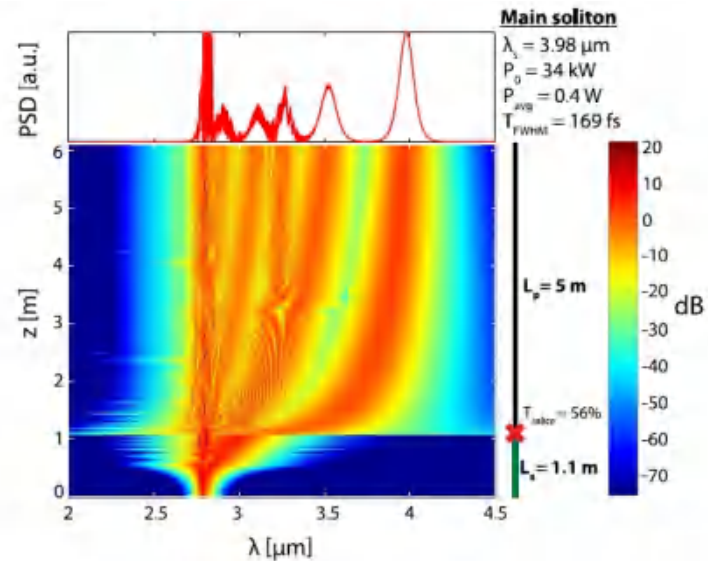
3D CAD



Femtum's unique expertise in ZBLAN lasers



Industrial-grade products

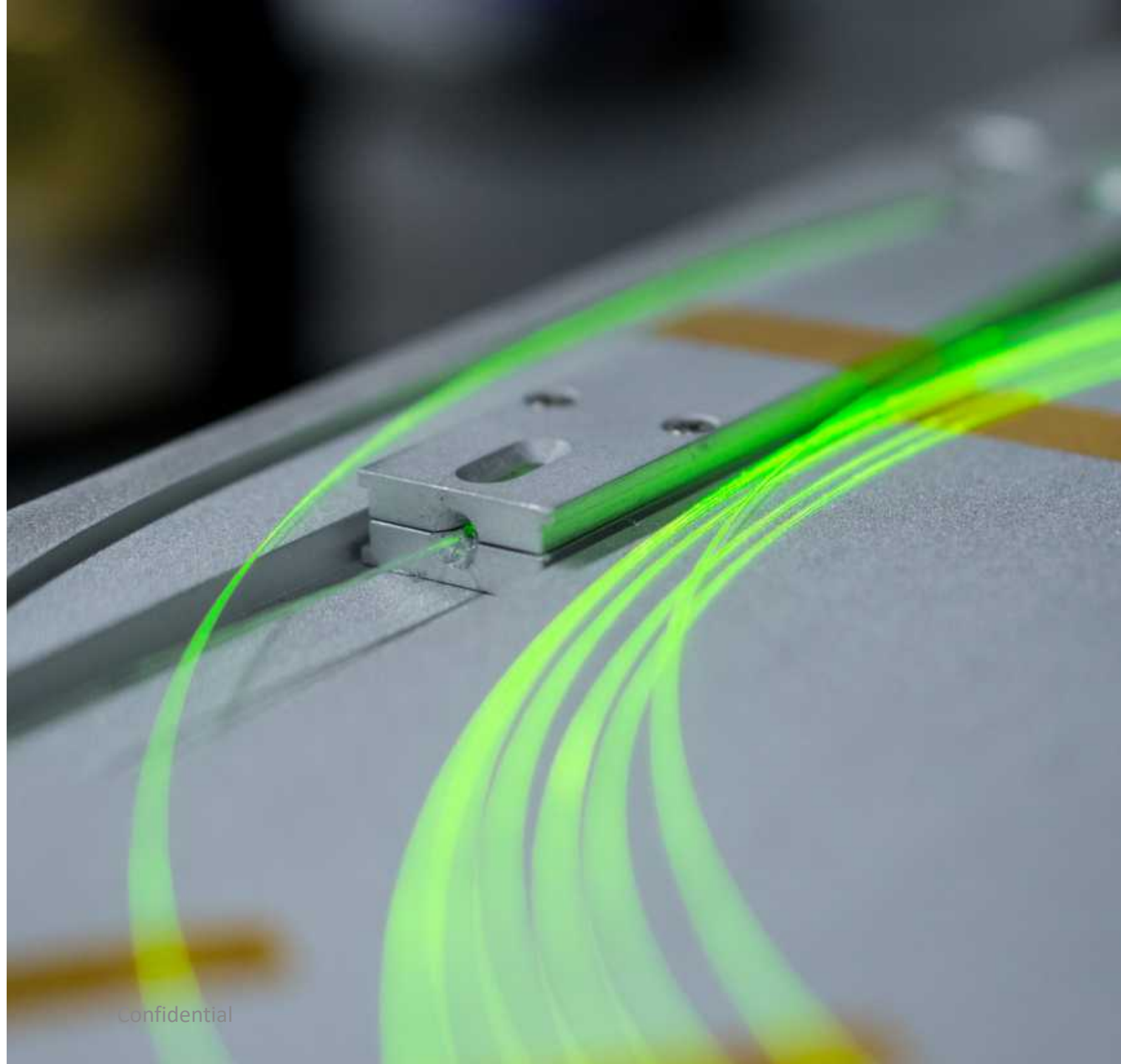


Home-built laser simulators



High-power ZBLAN components

Our Patented
pump combiner
is THE most
important
building block
for any mid-IR
fiber light source



Endcaps
ensure high
output power
over >10000
hours



Homemade
high-power
fiber connectors
for simple beam
delivery

