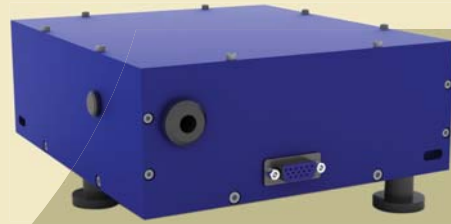


Femtosecond Fiber Lasers

YFOA Fiber Laser

- Available wavelengths: 1030-1064 nm (fixed)
- Average power up to 2 W
- Pulse energy up to 1 uJ
- Small footprint
- Turn-key operation
- Highly stable



YFOA Yb-doped fiber laser system

Product overview

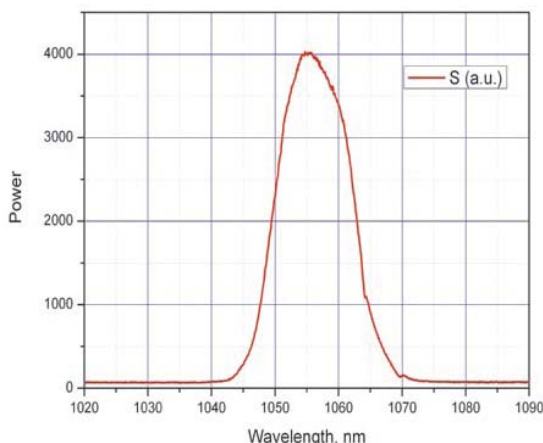
The YFOA femtosecond fiber laser is designed for stable generation of an ultra-short laser pulse train. The device contains Yb-doped active fiber, pump diodes, polarization control and dispersion control elements, electronic power supply and control system. The laser also has an SMA sync output for triggering external devices, as well as another SMA for pulsed mode status. The YFOA has proved its reliability as a seed oscillator for amplifier systems (such as the TETA system) as well as a stand-alone pulse generator.

There is also an amplified laser available, the ANTAUS with 1 uJ/1 MHz output (see reverse).

YFOA technical specifications

	YFOA-100	YFOA-200	YFOA-2000
Pulse duration (FWHM)	<200 fs		<300 fs
Available wavelengths*	1030; 1040; 1053 or 1064 nm		
Average output power	>100 mW	>200 mW	>2000 mW
Peak power	>8.5 kW	>17 kW	>170 kW
Repetition rate (fixed)	60±5 MHz		
Spatial mode	TEM00		
Polarization	linear, horizontal		
Output type	free-space		
Optical unit, mm	200x200x70	200x200x100	300x200x100
Power supply unit, mm	230x200x90	230x200x130	365x330x155

* - please select with order; other wavelengths are available upon request.



Typical spectrum of the YFO laser system

Possible application of the YFO fiber lasers:

- Seed oscillator
- THz radiation generation
- MPE microscopy
- Metrology
- «Pump-probe» spectroscopy
- Semiconductor device testing
- Supercontinuum generation
- Optical coherent tomography



	ANTAUS-1000
Pulse duration (FWHM)	<350 fs
Available wavelengths*	1040; 1053 nm
Pulse energy	>1 uJ
Average output power	>1000 mW
Pulse repetition rate	1 MHz
Spatial mode	TEM00
Polarization	linear, horizontal
Output type	free-space
Optical unit	350x220x120 mm
Power supply unit	470x385x155 mm

* - please select with order; other wavelengths are available upon request.