



The BR Labs Ti:sapphire Femtosecond Laser is an ultrafast oscillator, providing broadband pulses that can be compressed from 100 fs to under 10 fs. The laser works at selected repetition rates from 500 MHz to 2 GHz.

\* Options: repetition rate stabilization, wavelength tuning, second harmonic unit.

If you have a pump laser, such as a Coherent Verdi or Newport Millenia, this laser can be ordered as a stand alone unit. If not, we can offer it as a complete unit, including the pump laser at 532 nm, [click here](#).

## Applications:

Time resolved spectroscopy, multiphoton microscopy, optical coherence tomography, time and frequency metrology, coherent control, terahertz generation.

## Specifications:

Output power (4W pump in 532nm)	> 700mW
Repetition rate	500 MHz to 2 GHz
Pulse bandwidth	>50 nm
Pulse lenght	100 fs to sub-10 fs
Polarization	horizontal
Operating temperature	20°C +/- 5°C
Dimension	293 x 393 x 120 mm