



The BR Labs Ti:sapphire Laser is a compact and efficient all-solid-state continuous-wave laser. This equipment is widely tunable in the near infrared (700-1000 nm) and operates in single-frequency regime.

If you have a pump laser, such as a Coherent Verdi or Newport Millennia, 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:

Raman spectroscopy, atomic and molecular spectroscopy, interferometry, laser cooling and trapping, quantum optics and non-linear optics (OPO pumping, blue generation), fiber laser research, telecommunications research, semiconductors studies.

Specifications:

Output power (4W pump in 532nm)	> 500mW
Spatial mode	TM ₀₀
Polarization	horizontal
Linewidth	100 kHz (single frequency)
Beam parameters	0.3 mm (diameter), 0.16 mrad (divergence)
Intensity noise	< 0.5% RMS
Dimension	293 x 393 x 120 mm