



Firebow RT90

2 Micron Tunable Laser



Q-Peak's Firebow RT90 laser offers one of the first tunable, Tm: fiber-based, 2- μ m lasers in a fully adaptive architecture designed for CW and modelocked laser capabilities. The Firebow Series covers a large variety of applications, including materials characterization, gas detection, biomedical imaging, and unique laser machining.

- **Customer Focused**
- **Experienced Staff**
- **Laser Driven Innovation**



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Applications in Medical, Scientific,
Aerospace and Defense



Key Features

- Narrow spectral bandwidth
- Tunable over 90 nm
- Air cooled
- Lightweight, customizable for low SWaP packaging
- Touch screen user interface
- Ethernet/network capable

Optical Specifications:

Laser Type	CW Tm-doped fiber laser
Wavelength	1960 – 2050 nm
Spectral Bandwidth	< 0.3 nm FWHM
Wavelength Stability	< 0.5 nm
Polarization	Random
Average Power	10 mW
Output Power Stability	± 1% over 60 sec
Output Fiber Connector	FC/APC
Output Fiber	SM2000 equivalent
Tuning Speed	< 800 Hz
Ambient Operating Temperature Range	+15 to +35 °C

Performance

Physical Specifications, Laser Head

Dimensions	2U Rack Mount
Weight	10.9 kg
Power Requirement	120 V AC



Main Office
(781) 275-9535
Corporate Business Development
(781) 271-1802
135 South Road, Bedford, MA 01730
www.qpeak.com