



Firebow CW10-500

Tm:Fiber CW Laser



Q-Peak's Firebow CW 10-500 laser is a Tm: fiber based, compact, air-cooled unit containing resonator components, a pump diode, a diode driver, and a temperature controller in a single enclosure. The output fiber is endcapped and has a FC/APC connector. The system design allows for power scaling up to 500 W with non-connectorized pigtail fiber output.

- **Customer Focused**

- **Experienced Staff**

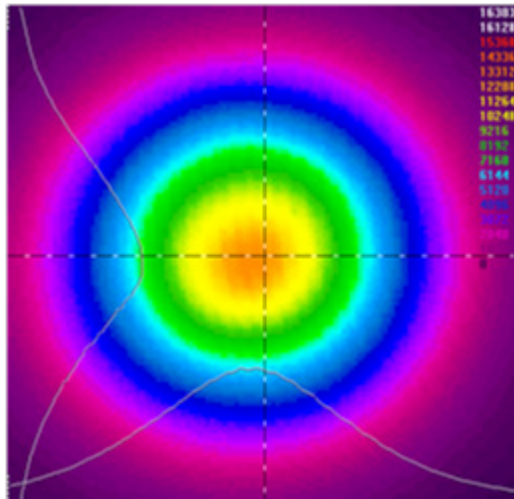
- **Laser Driven Innovation**



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Applications in Industrial, Medical, Scientific, Aerospace and Defense



Key Features

- Excellent beam quality
- Stand-alone, turnkey
- Touch screen user interface
- Ethernet/Network capable
- Air cooled
- Light weight, customizable for low SWaP packaging
- High wall-plug efficiency

Parameter	Performance
Laser Type	CW Tm-doped fiber laser
Wavelength	1900 - 2100 nm
Spectral Bandwidth	< 2 nm
Wavelength Stability	< 0.2 nm
Polarization	Random (PM options available)
Output Power	10 W standard, Scalable to 500 W (Pigtail Fiber)
Output Power Stability	± 1% over 60 sec
Beam Quality (M ²)	≤ 1.2
Ambient Temperature Operating Range	+15 to +35 °C
Dimensions	2U Rack Mount
Weight	2.3 kg
Input Power	120 V AC



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