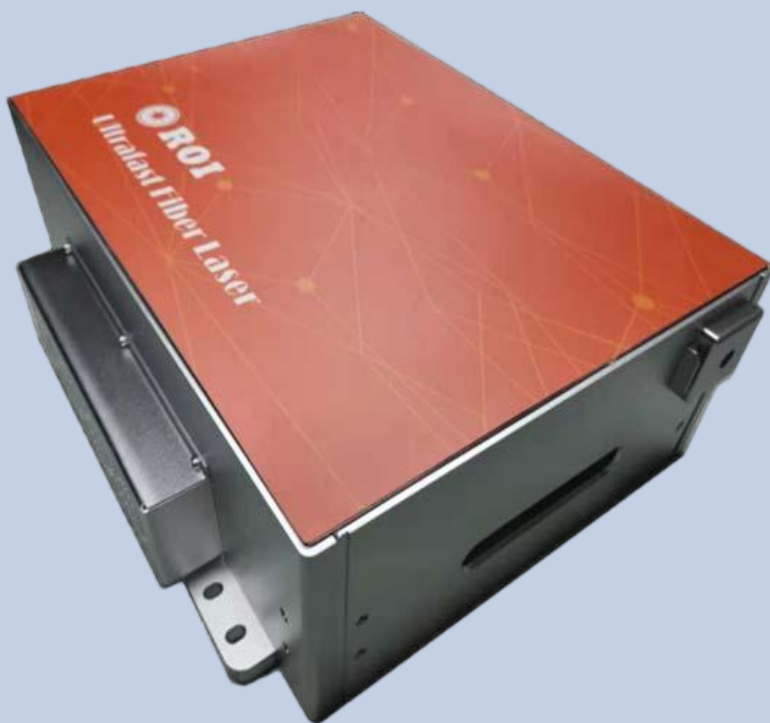


# YbFemto-532 ProL



One Platform Many Possibilities

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## Defining Precision with Green Light: Ultrafast Light Source for Research and Industrial Integration

The YbFemto-532 ProL Series is based on advanced Yb-doped fiber laser technology and high-efficiency frequency doubling modules, delivering a 532nm output.

With its unique integrated design, this series addresses the bulk and maintenance challenges of traditional solid-state lasers, offering users an "out-of-the-box" green femtosecond solution with exceptional thermal stability and pulse quality, serving as the ideal bridge between cutting-edge lab research and precision industrial manufacturing.

### Core Highlights & Positioning

An industrial-grade, highly stable 532nm green femtosecond fiber laser designed for precision micro-nano processing and multiphoton imaging.

- All-PM Fiber Structure: Excellent environmental adaptability and maintenance-free operation.
- Smart Mode-Locking: One-button self-start ensuring long-term stable operation.
- Integrated Optoelectronic Design: Compact footprint with superior anti-interference capability.
- High Beam Quality: Beam circularity >90%, ideal for high-resolution imaging.

### Applications

- Multiphoton Imaging (CARS/SRS)
- Two-photon Polymerization 3D Printing
- Biological Micro-nano Ablation
- Terahertz Science

### Interfaces & Operation

- Equipped with standard RS232 interface and GUI software for remote control.
- Provides TTL synchronization output for system cascading and monitoring.

### Storage & Environmental Suggestions

Recommended for use in a temperature-controlled (18 - 32 °C), dust-free, and vibration-free environment to achieve optimal power stability.

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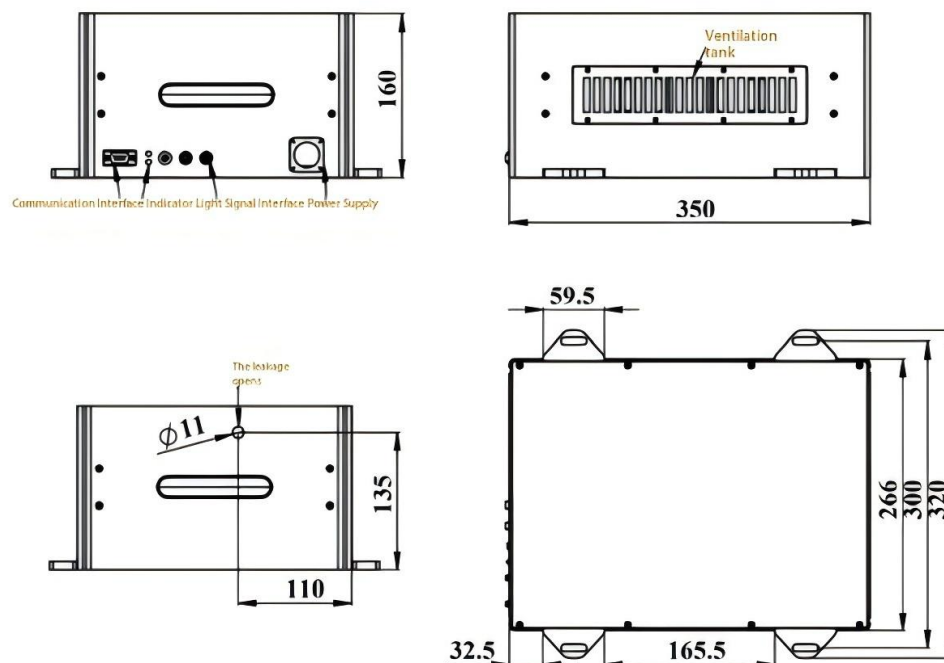


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## Detailed Technical Specifications of YbFemto-532 ProL Series

Parameter	YbFemto-532 ProL200	YbFemto-532 ProL400
Central Wavelength	532 nm	532 nm
Pulse Duration	< 150 fs	< 150 fs
Spectral Bandwidth (3dB)	3 nm	3 nm
Repetition Rate	25 MHz (Optional: 20-60 MHz)	25 MHz (Optional: 20-60 MHz)
Average Power	> 200 mW	> 400 mW
Pulse Energy	> 8 nJ	> 16 nJ
Power Stability (RMS)	< 2%	< 2%
Beam Circularity	> 90%	> 90%
Output Type	Free Space	Free Space
PC Connector	RS232	RS232
Voltage / Current	220 V / 5 A	220 V / 5 A
Operating Temperature	18 - 32 °C	18 - 32 °C
Dimensions	350 x 266 x 160 mm <sup>3</sup>	350 x 266 x 160 mm <sup>3</sup>

## Mechanical Dimensions of YbFemto-532 ProL Series



Get in touch with our team to explore configurations, request a quote, or learn more about customized solutions tailored to your needs.

Let us help you move science forward — faster and smarter.

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