



## Lightning Series Fiber Laser

### BFL-CW1500T



#### FEATURES:

- ◆ Good beam quality
- ◆ Good power stability
- ◆ Good system reliability
- ◆ Easy-to-use control

#### APPLICATION:

- ◆ Precision cutting
- ◆ Precision welding
- ◆ 3D printing (SLS/SLM)
- ◆ Sheet metal processing

BWT Lightning series fiber lasers have Good beam quality, and the beam can be focused close to the diffraction limit, which makes them perfect choices for precision processing. The two operation modes, CW and modulation, minimize heat-affected zone. Reliable performance, modular and all-fiber design, and robust case enclosing all optical and electronic components ensure that they can be used under strict industrial conditions.

BTW Lightning series fiber lasers can be used in wide application like precision processing, 3D printing, sheet metal processing, lithium-ion battery manufacturing, etc. The lasers can process various types of metal, including aluminum-based and nickel-based alloys, titanium alloys and alumina ceramics.

BTW professional laser application team, with good knowledge and experience, provides the best laser system solution for our customers all around the world.



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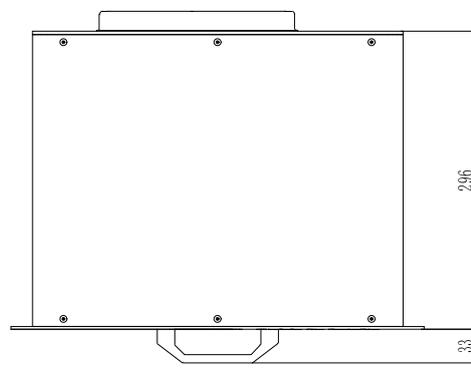
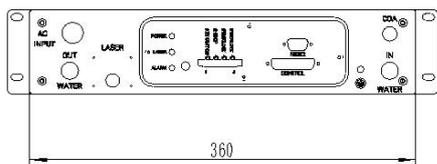
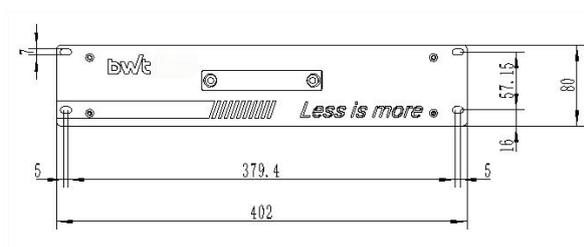
| Optical Character               |                                 |
|---------------------------------|---------------------------------|
| Power                           | 1500W                           |
| Wavelength                      | 1080±10 nm                      |
| Output Fiber Core Diameter      | 50 μ m or customized            |
| Output Cable Length             | 12 m, 15m or customized         |
| Output Cable Connector          | QBH                             |
| Aiming Beam                     | Red                             |
| Operation Mode                  | CW or modulation                |
| Polarization                    | Random                          |
| Power Stability (25°C)          | < ±1.5% (2h)                    |
| Power Adjustment Scope          | 10%-100%                        |
| Max Modulation Frequency        | 5kHz                            |
| Size and Weight                 |                                 |
| Physical Size (H×W×D)           | 80mm*402mm*296mm                |
| Weight                          | 15 kg                           |
| Electronic Character            |                                 |
| Power Supply                    | 220±20 V, AC, PE, 50/60 Hz      |
| Power Consumption               | 4.5 kW                          |
| Control Interface               | RS232/AD                        |
| Water Cooling Parameters        |                                 |
| Minimum Water Cooling Capacity  | 3.0 kW                          |
| Temperature Settings            | 25°C (Laser Module), 30°C (QBH) |
| Cooling Tubes Size              | O.D. Φ12 mm                     |
| Cooling Water Flow Rate (Laser) | >15 L/min                       |
| Cooling Water Flow Rate (QBH)   | 1.5-2.0L/min                    |



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### DEMINSIONS (mm)



Declaration: Information and specifications contained herein are deemed to be reliable and accurate. BWT Tianjin Ltd. reserves the right to change, alter or modify the design and specifications of these products at any time without notice.