



Ventus Series Air Cooling Fiber Laser

BFL-ACW500-1



FEATURES:

- ◆ Cost effective and maintenance free
- ◆ Excellent power stability
- ◆ Excellent system reliability
- ◆ Easy-to-use control

APPLICATION:

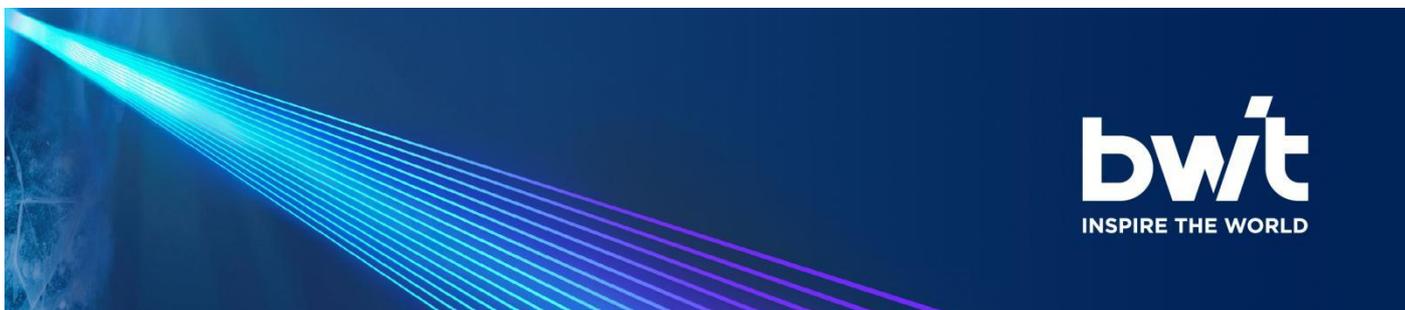
- ◆ Precision welding
- ◆ Handheld welding
- ◆ Sheet metal processing

BWT Ventus Series air cooling fiber lasers uses new heat dissipation method and powerful fans to achieve better stability. Simple appearance provides much design room for laser machine integration.

Air cooling fiber lasers have excellent 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.

Air cooling fiber lasers can be used in wide application like precision processing, handheld welding, sheet metal processing, etc. The lasers can process various types of metal, including aluminum-based and nickel-based alloys, titanium alloys and alumina ceramics.

BWT 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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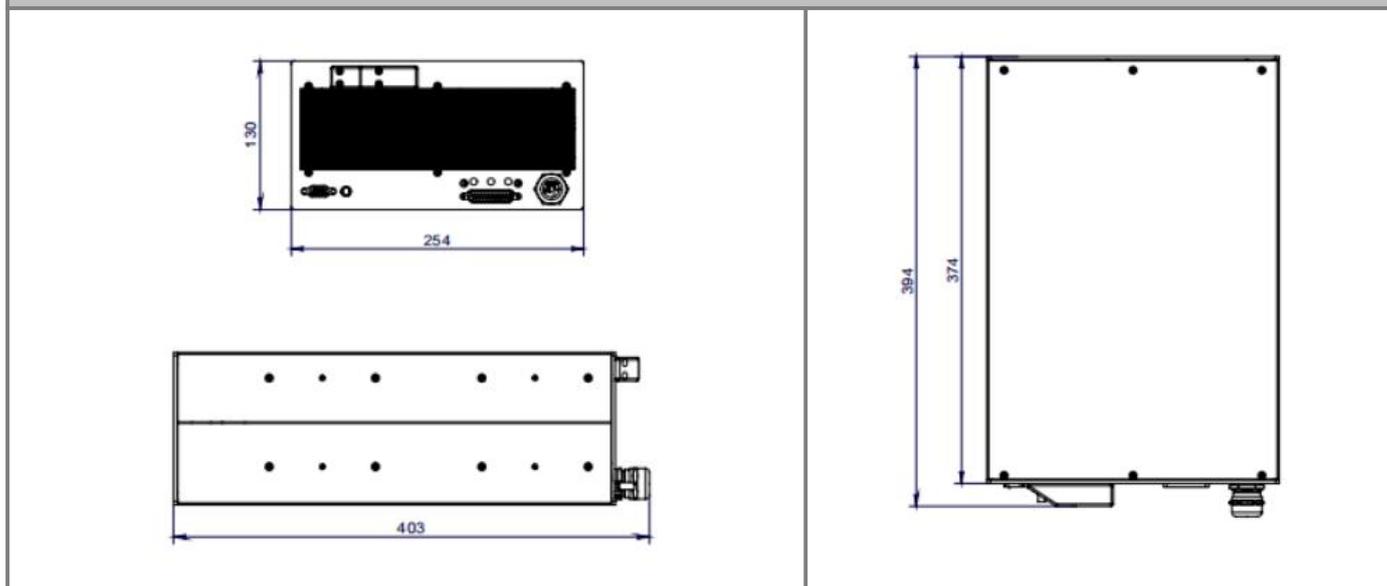
Optical Character	
Power	500 W
Wavelength	1080±10 nm
Output Fiber Core Diameter	14 μm
Output Cable Length	8 m
Output Cable Connector	QBH or QCS
Aiming Beam	Red
Operation Mode	CW or modulation
Polarization	Random
Power Stability (25°C)	<3% (2h)
Power Adjustment Scope	10%-100%
Max Modulation Frequency	5 kHz
Size and Weight	
Physical Size (H×W×D)	Laser 130mm*254mm*374mm Power supply module 41mm*130mm*325mm or 41mm*115mm*325mm
Weight	Laser 10 kg, power supply module 3 kg
Electronic Character	
Power Supply	Single Phase, 220±20 V, AC, PE, 50/60 Hz
Power Consumption	1.8 kW
Control Interface	RS232/AD
Air Cooling Parameters	
QBH Cooling Gas	N ₂ or Ar
QBH Gas Flow Rate	≥10 L/min
Operation Conditions	
Operation Temperature	-10-40 °C
Operation RH	10-90%
Storage Temperature	-20-60 °C



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DEMINSIONS (mm)



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