Air Cooling Fiber Laser

BFL-ACW10

FEATURES:

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

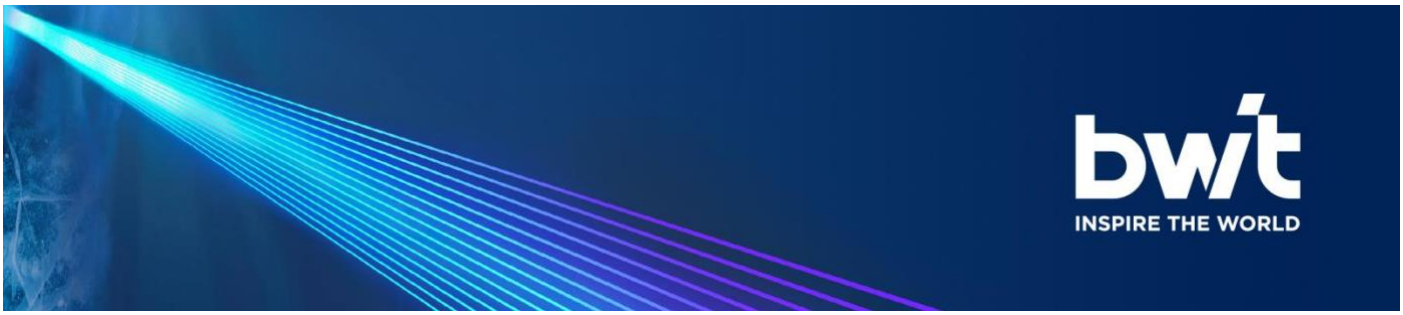
APPLICATION:

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

BWT 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 ensure that they can be used under strict industrial conditions.

BWT air cooling 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.

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	800W
Wavelength	1080±10 nm
Output Fiber Core Diameter	20 μm or customized
Output Cable Length	12 m or customized
Output Cable Connector	QBH
Aiming Beam	Red
Operation Mode	CW or modulation
Polarization	Random
Power Stability (25℃)	< 3% (2h)
Power Adjustment Scope	10%-100%
Max Modulation Frequency	5kHz
Size and Weight	
Physical Size (H×W×D)	Laser 106mm*340mm*458mm, power supply module 43mm*130mm*350mm
Weight	Laser 16±1kg, power supply module 3±1kg
Electronic Character	
Power Supply	Single Phase, 220±20 V, AC, PE, 50/60 Hz
Power Consumption	3.0 kW
Control Interface	RS232/AD
Air Cooling Parameters	
QBH Cooling Gas	N_2 or Ar
QBH Gas Flow Rate	≥5 L/min
Operation Conditions	
Operation Temperature	-10-40℃
Operation RH	10-90%
Storage Temperature	-20-60℃

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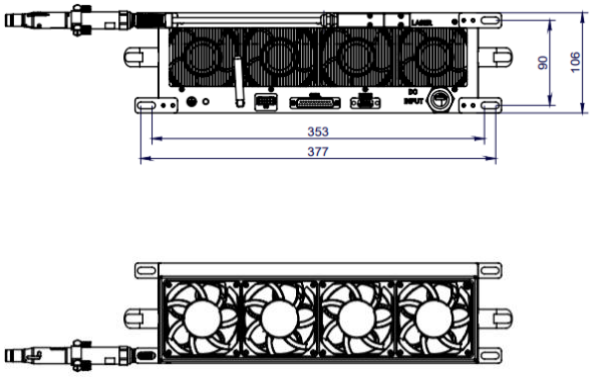
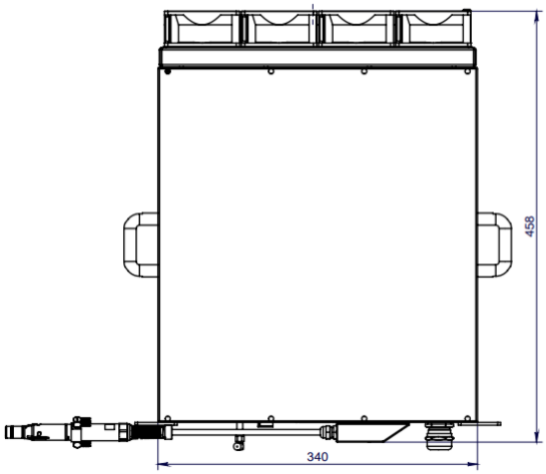
DIMENSIONS (mm)





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.21-1