

## **RPKBDL-CW500-E330-5-E** **High Power Blue Diode Laser**



### **FEATURES**

- Good beam quality
- High power density
- High metal process efficiency
- Continued and modulated modes
- Cost-effective and maintenance-free
- Simple control interface, compact system integration
- Outstanding system reliability, stability, and long lifetime.

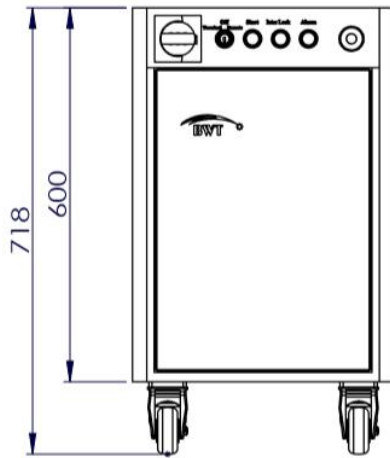
### **APPLICATIONS**

- Metal processing(Cu, Au, Ag, SUS, etc)
- Surface treatment
- 3D printing(SLS/SLM)
- Cutting, welding, and drilling
- Li-battery manufacture

# RPKBDL-CW500-E330-5-E

## High Power Blue Diode Laser

<b>Optical</b>	
Power	500W
Wavelength	445 ± 20nm
Output Fiber Core Diameter and NA	330µm 0.22NA
Fiber length-Connector	5m with 8mm cable -QBH connector (or customized)
Operation Mode	Continuous or Modulation
Polarization	Random
Power Stability (25°C)	<3% (2h)
Power Adjustment Scope	10%-100%
Modulation Frequency	5kHz
Aiming Beam	Red aiming beam
<b>Mechanical</b>	
Weight	<60kg
Outline Feature	420mm*900mm*600mm
<b>Electrical</b>	
Voltage	(three Phase),380±20V,AC,PE,50/60Hz
Power Consumption	5kW
Control Interface	RS232/AD
<b>Cooling</b>	
Mini. Water Cooling Capacity	4kW
Temperature Settings	25°C (Laser Module) , 30°C (QBH)
Cooling Tubes Size( Innal )	19mm
Cooling Water Flux	>20L/min
QBH Cooling Water Flux	1.5~2.0L/min
<b>Others</b>	
Working Temp	10-40°C
Storage Temp	-10~+60°C
Relative Humidity	<70%RH



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