

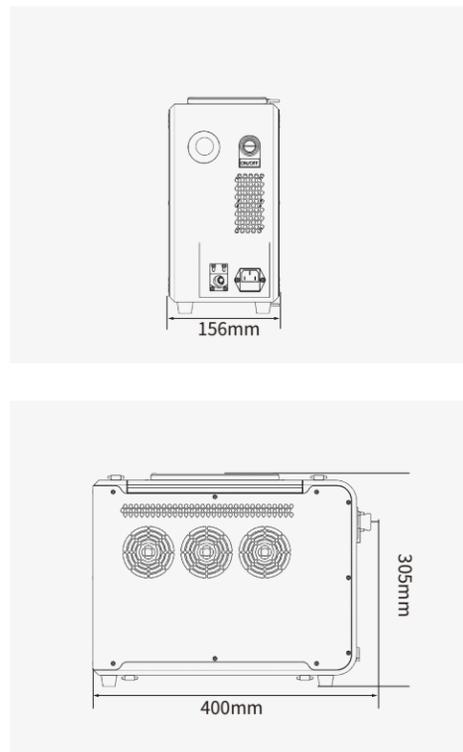
PRODUCT CATALOG

BlastOff Laser Cleaning

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BLC-100W

Backpack pulse laser cleaning machine

■ Features

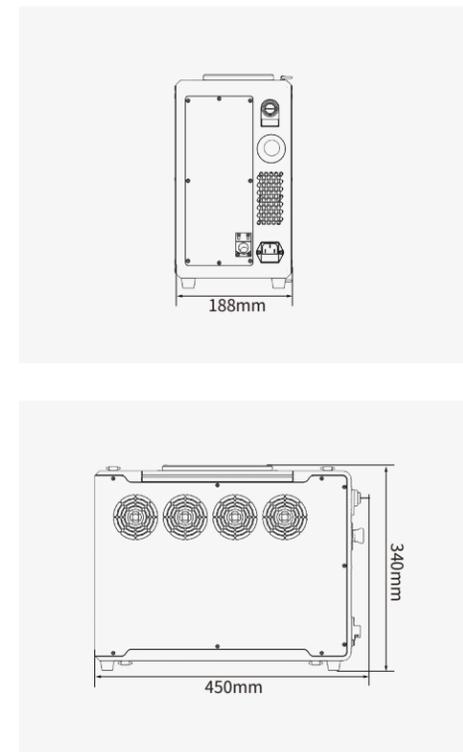
Portable design: The device is designed as a backpack, which is light and easy to carry. It is very suitable for use in small spaces or environments that require mobile operations.

Quick startup and shutdown: The laser cleaning machine can start and shut down instantly without preheating time, improving work efficiency.

Technical parameters

Laser power	100W
Cleaning width	F254(10-130mm)
Center wavelength	1064±5nm
Fiber beam quality	≤1.6m ²
Pulsed laser frequency	20-200KHz
Pulse length	150-190ns
Maximum single pulse energy	1.6mJ
Fiber length	3m
Cooling method	Air cooling
Machine size	400*156*305mm
Machine weight	10.5KG

Machine data is for reference only. Actual machine data prevails.



BLC-200W

Pulse laser cleaning machine

■ Features

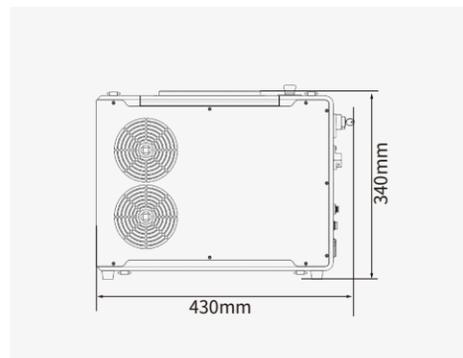
Portable design: The portable shell makes the equipment easy to carry and operate, which is very suitable for cleaning tasks that require frequent movement in different places.

Multifunctional application: In addition to cleaning, it can also be used for surface pretreatment, surface modification and other applications, with a wide range of industrial application prospects

Technical parameters

Laser power	200W
Cleaning width	F254(10-130mm)
Center wavelength	1064±5nm
Fiber beam quality	≤1.6m ²
Pulsed laser frequency	20-200KHz
Pulse length	180-220ns
Maximum single pulse energy	1.5mJ
Fiber length	3m
Cooling method	Air cooling
Machine size	450*188*340mm
Machine weight	15.5KG

Machine data is for reference only. Actual machine data prevails.



BLC-300W

Pulse laser cleaning machine

■ Features

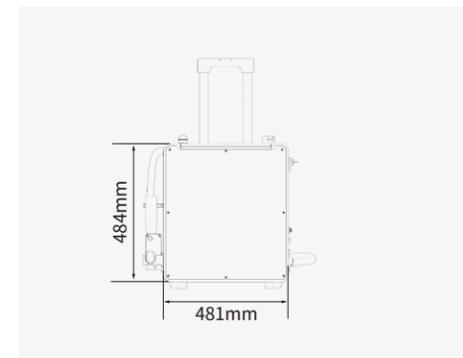
Portable design: The portable shell makes the equipment easy to carry and operate, which is very suitable for cleaning tasks that require frequent movement in different places.

Multifunctional application: In addition to cleaning, it can also be used for surface pretreatment, surface modification and other applications, with a wide range of industrial application prospects

Technical parameters

Laser power	300W
Cleaning width	F254(10-130mm)
Center wavelength	1064±5nm
Fiber beam quality	≤1.6m ²
Pulsed laser frequency	1-3000KHz
Pulse length	180-220ns
Maximum single pulse energy	5mJ
Fiber length	3m
Cooling method	Air cooling
Machine size	430*188*340mm
Machine weight	17KG

Machine data is for reference only. Actual machine data prevails.



BLC-500W

Pulse laser cleaning machine

■ Features

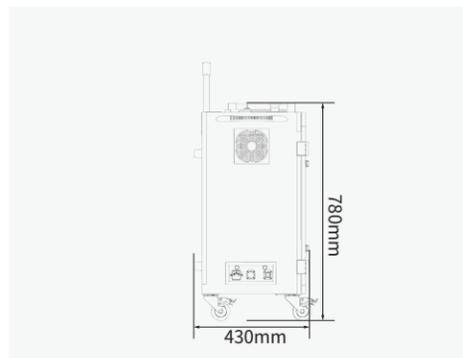
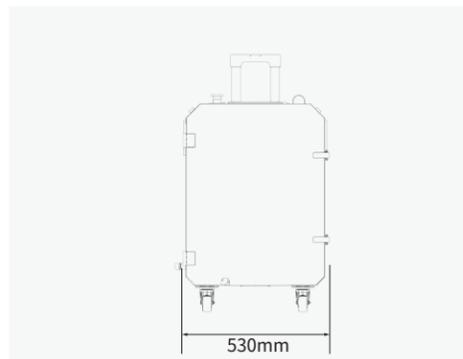
Precise control: The high-precision pulse laser can accurately adjust the cleaning area and intensity, suitable for cleaning complex shapes and precision parts

Portable suitcase design: The suitcase design is easy to carry and transport, suitable for cleaning tasks that require frequent movement and use in different workplaces.

Technical parameters

Laser power	500W
Maximum single pulse energy	15mJ
Laser wavelength	1064±5nm
Power adjustment range	10--100%
Laser frequency adjustment	10-4000KHz
Maximum scanning range	130*130mm
Pulse width	30-500ns
Fiber length	5m
Cooling method	Air cooling
Machine size	481*298*484mm
Machine weight	28KG

Machine data is for reference only. Actual machine data prevails.



BLC-100W/200W/300W

Pulse laser cleaning machine

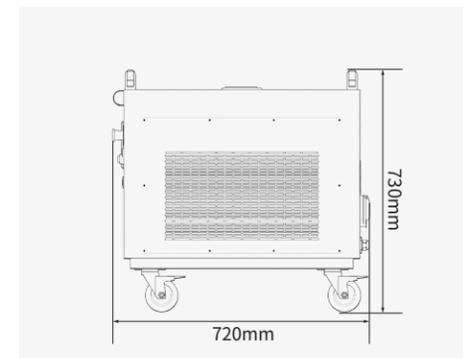
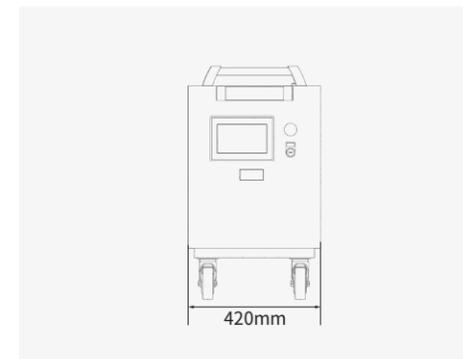
Features

Multiple power options: 100W, 200W and 300W are available to meet a variety of cleaning needs, from light pollution to heavy pollution removal.

Portable suitcase design: The suitcase design is easy to carry and transport, suitable for cleaning tasks that require frequent movement and use in different workplaces.

Technical parameters			
Laser power	100W	200W	300W
Cleaning width	F254(10-130mm)		
Laser cleaning head weight	650g		
Center wavelength	1064±5nm		
Pulsed laser frequency	1-4000KHz		
Pulse length	10-500ns	10-350ns	10-500ns
Maximum single pulse energy	1.8mJ	1.5mJ	1.8mJ
Fiber length	5m		
Cooling method	Air cooling		
Machine size	530*430*780mm		
Machine weight	60KG	67KG	72.5KG

Machine data is for reference only. Actual machine data prevails.



BLC-300W

Pulse laser cleaning machine

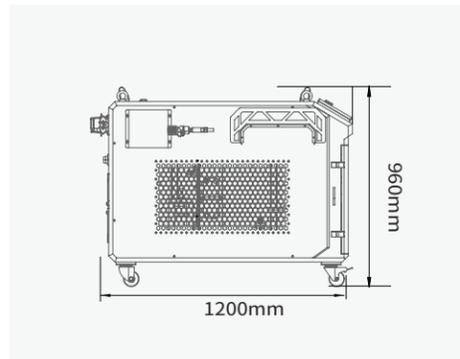
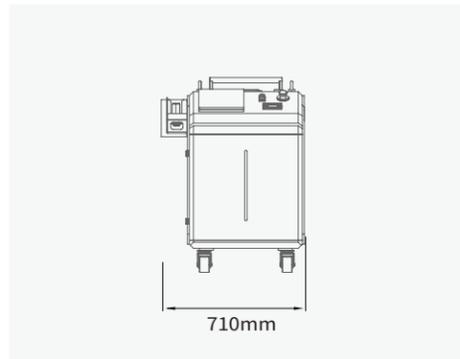
Features

Precise control: The high-precision pulse laser can accurately adjust the cleaning area and intensity, suitable for cleaning complex shapes and precision parts

Non-contact cleaning: The non-contact cleaning method does not cause mechanical damage to the substrate surface and protects the integrity of the material

Technical parameters	
Laser power	300W
Cleaning width	F254(10-130mm)
Center wavelength	1064±5nm
Fiber beam quality	≤1.8m ²
Pulsed laser frequency	10-50KHz
Pulse length	140-160ns
Maximum single pulse energy	15mJ
Fiber length	10m
Cooling method	Water cooling
Machine size	720*420*730mm
Machine weight	80KG

Machine data is for reference only. Actual machine data prevails.



BLC-1000W

Pulse laser cleaning machine

■ Features

Precise control: The high-precision pulse laser can accurately adjust the cleaning area and intensity, suitable for cleaning complex shapes and precision parts

Non-contact cleaning: The non-contact cleaning method does not cause mechanical damage to the substrate surface and protect the integrity of the material

Technical parameters

Laser power	1000W
Cleaning width	F254(10-130mm)
Center wavelength	1064±5nm
Power adjustment range	10-100%
Pulsed laser frequency	10-100KHz
Pulse length	20-100ns
Maximum single pulse energy	50mJ
Fiber length	10m
Cooling method	Water cooling
Machine size	1000*450*800mm
Machine weight	137.5KG

Machine data is for reference only. Actual machine data prevails.



BLC-1000W/1500W/2000W/3000W

CW fiber laser cleaning machine

■ Features

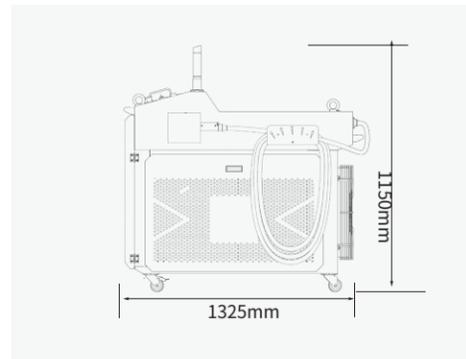
Ultra-high power output: Provide 1000W, 1500W, 2000W and 3000W different power options to meet various cleaning needs, and the removal efficiency from light to heavy pollutants is remarkable.

Continuous laser cleaning: Using continuous laser technology to ensure stable and lasting cleaning effects, especially suitable for large-area and high-intensity cleaning tasks.

Technical parameters

	1500W	2000W	3000W
Laser power	1500W	2000W	3000W
Cleaning width	50-600mm		
Power adjustment range	10-100%		
Operating mode	CW/Modulated		
Modulation frequency	≤20KHz		
Laser wavelength	1080±10nm		
Fiber length	10m	20m	
Cooling method	Water cooling		
Cleaning head weight	900g		
Machine size	900*540*1000mm		1050*600*1000mm
Machine weight	133KG	145KG	185KG

Machine data is for reference only. Actual machine data prevails.



BLC-6000W

CW fiber laser cleaning machine

■ Features

Quick Cleaning : With the powerful 6000W laser power, the device can quickly remove paint, rust, coatings, etc. on the surface of steel, aluminum alloy, concrete, etc.

Automatic cleaning: Auxiliary cleaning equipment can be connected externally to achieve automatic cleaning

Technical parameters

Laser power	6000W
Laser model	Raucys
Cleaning area	F500/F800(10-550mm)
Center wavelength	1080±5nm
Modulation frequency	1-5000Hz
Fiber optic cable length	20m
Cooling method	Water Cooling
Machine size	1325*780*1150mm
Machine weight	314KG

Machine data is for reference only. Actual machine data prevails.



BLC-1500W/2000W/3000W

4-in-1 Laser machine

■ Features

Highly integrated: Combining the four functions of laser welding, laser cutting, laser cleaning and weld channel cleaning in one machine greatly saves the space occupied by the equipment, reduces the cost of purchasing and maintenance of the equipment, and meets the needs of multiple requirements with one machine.

Easy and flexible operation: According to different processing requirements, the parameters can be flexibly adjusted to adapt to the processing requirements of various materials and workpieces.

Technical parameters

Laser power	1500W	2000W	3000W
Power adjustment range	10-100%		
Cleaning width	120mm		
Welding depth	0.1-6mm		
Cutting thickness	1-3mm		
Oscillation frequency	0-200Hz		
Cooling method	Water cooling		
Fiber length	10m	20m	
Weight of laser head	600g		
Machine size	900*540*1000mm		1050*600*1000mm
Machine weight	146KG	158KG	198KG

Machine data is for reference only. Actual machine data prevails.



Automobile Manufacturing



Aerospace



Railway



Petrochemical



New energy lithium



Tire Industry