

BEAMLUX

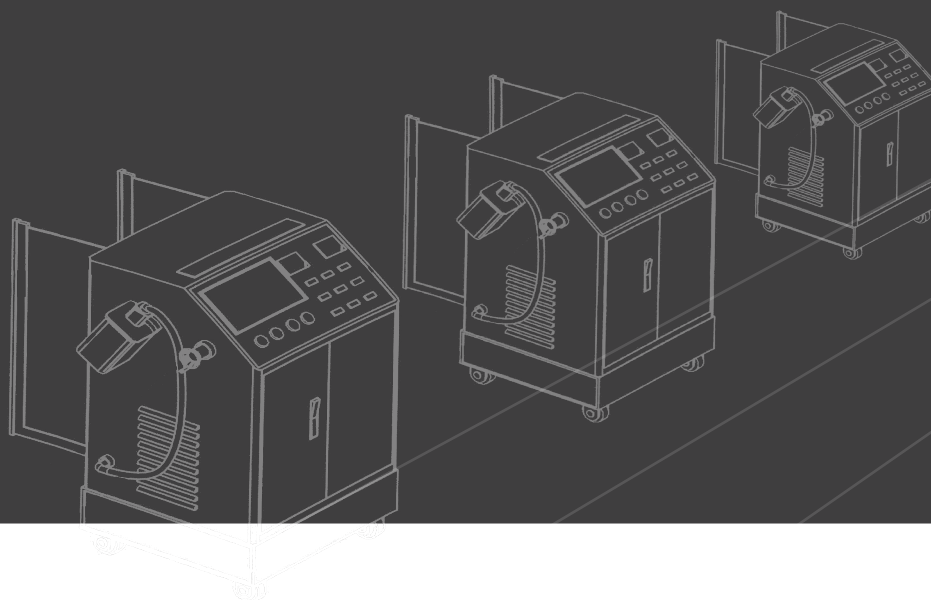


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# PRODUCT CATALOGUE

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Laser Industry Solutions

# BEAMLUX



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## **BL Laser Welding Machine**

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## **BL Laser Cleaning Machine**

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# BL-LASER WELDER AIR COOLED



## Air-Cooled Advantage



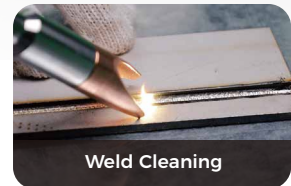
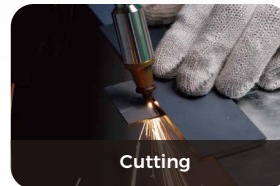
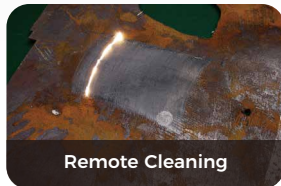
User-Friendly  
Interface



Functions From  
-20°C to +40°C



## Multifunctional 4-In-1



## Technical Parameters

| Product Model      | WA – Laser Welder                                                                                                        |
|--------------------|--------------------------------------------------------------------------------------------------------------------------|
| Power              | 1200W, 1500W, 1800W                                                                                                      |
| Cooling Type       | Air Cooled                                                                                                               |
| Operating Mode     | Continuous Laser                                                                                                         |
| Function           | Weld / Cut / Weldseam Clean / Remote Clean                                                                               |
| Suitable Materials | Stainless Steel, Carbon Steel, Aluminum, Copper, Galvanized Sheet                                                        |
| Welding Thickness  | 3–10mm                                                                                                                   |
| Clean Width        | 0–120mm                                                                                                                  |
| Laser Source       | UMW                                                                                                                      |
| Voltage            | 220V 1PH 50/60HZ                                                                                                         |
| Dimensions         | 550*440*525mm                                                                                                            |
| Weight             | 45kg                                                                                                                     |
| Design Life        | 100,000 hours                                                                                                            |
| Warranty           | 2 years                                                                                                                  |
| Sum Up             | Smart Control At Torch, Built-In Wire Feeder, 4 In 1 Multi Function, Low Maintenance, Suitable For Reflective Materials. |

# BL-WATER COOLED LASER WELDING MACHINE



## Multifunctional 4-In-1



- ▶ High Power Range:** Offers settings between 1500W and 3000W and 6000W to match precise industrial requirements.
- ▶ Dual-Swing Weld Head:** Provides flexibility with two motors and lenses, simplifying adjustments for diverse projects.
- ▶ Aesthetic Welds:** Produces strong welds that typically require no secondary finishing.
- ▶ User-Friendly Design:** Features an intelligent system for quick and easy setup adjustments.

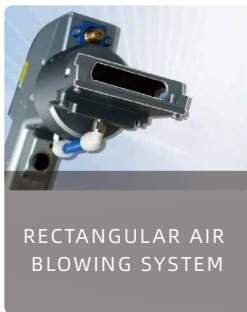
## Technical Parameters

| Product Model      | WW –Water Cooled Fiber Laser Welding Machine                                                   |
|--------------------|------------------------------------------------------------------------------------------------|
| Power              | 1500W, 2000W, 3000W, 6000W                                                                     |
| Cooling Type       | Water Cooled                                                                                   |
| Function           | Weld, Cut, Weldseam Clean, Remote Clean                                                        |
| Suitable Materials | Carbon steel, stainless steel, galvanized sheet, aluminum                                      |
| Sum Up             | High cooling, low failure, fast, minimal deformation, high-quality welds, automation-friendly. |

# BL-WATER COOLED CONTINUOUS LASER CLEANER



## Key Features



### ► Powerful Performance:

This machine has 1500W to 6000W power and quickly cleans off rust and tough dirt.

### ► Eco-Friendly Technology:

It cleans without harmful chemicals, making it safe for users and better for the planet.

### ► Versatility in Metal Applications:

Cleans all metal types well. It's perfect for removing rust, stripping paint, and getting metal surfaces ready for more work.

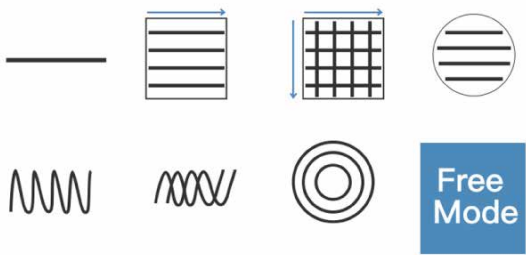
## Technical Parameters

| Product Model      | CC-Continuous Handheld Laser Cleaning Machine                                                       |
|--------------------|-----------------------------------------------------------------------------------------------------|
| Laser Output Power | 1500W, 2000W, 3000W, 6000W                                                                          |
| Cooling Type       | Water Cooled                                                                                        |
| Suitable Materials | Effectively removes rust and paint from aluminum, alloys, copper, iron, steel, and stainless steel. |
| Applications       | Rapid rust removal on extensive metal surfaces.                                                     |
| Notes              | Best for heavy industrial use with robust power and durability.                                     |

# BL-AIR COOLED PULSE LASER CLEANING MACHINE



## 8 Types Cleaning Modes



- ▶ **Small and Easy to Move:** This cleaner is much smaller and lighter than others. You can easily take it where you need.
- ▶ **Cleans Many Materials:** It works on metal, stone, and wood without harming them.
- ▶ **Choice of Power:** You can choose 100 to 500 model, depending on your needs .
- ▶ **Quick Setup:** It' s great for jobs that need fast and easy setup.

## Technical Parameters

| Product Model      | CP-Air Cooled Pulse Laser Cleaning Machine                                                            |
|--------------------|-------------------------------------------------------------------------------------------------------|
| Laser Output Power | 100W, 200W, 300W, 500W                                                                                |
| Cooling Type       | Air Cooled                                                                                            |
| Suitable Materials | Cleans rust, paint, oil, oxide layers, and other stains from metal, wood, stone, and hard non-metals. |
| Applications       | Precision cleaning of metals and non-metals, ideal for intricate parts and sensitive materials.       |
| Notes              | Lightweight and highly portable, best for on-the-go cleaning tasks.                                   |

# BL-WATER COOLED PULSE LASER CLEANING MACHINE



## Intelligent Laser Gun



- ▶ **Works Non-Stop:** This machine can run for 72 hours straight, perfect for big jobs.
- ▶ **More Power:** You have options from 300 to 1000 for stronger cleaning.
- ▶ **Faster Cleaning:** It cleans quickly, which is great for tough jobs.
- ▶ **Safe for Many Uses:** Like the portable model, it safely cleans different materials.

## Technical Parameters

| Product Model      | CP-Water Cooled Pulse Laser Cleaning Machine                                                          |
|--------------------|-------------------------------------------------------------------------------------------------------|
| Laser Output Power | 300W, 500W, 1000W                                                                                     |
| Cooling Type       | Water Cooled                                                                                          |
| Suitable Materials | Cleans rust, paint, oil, oxide layers, and other stains from metal, wood, stone, and hard non-metals. |
| Applications       | Precision cleaning of metals and non-metals, ideal for intricate parts and sensitive materials.       |
| Notes              | Provides consistent performance and power, ideal for intensive cleaning with minimal impact           |

## BL-COMPACT AIR-COOLED PULSE LASER CLEANING MACHINE



### Product Description

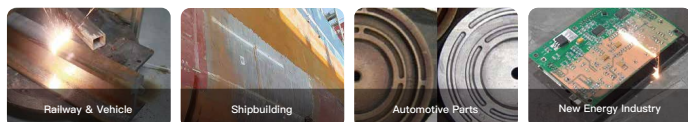
- Designed in a suitcase-style casing, it is portable and suitable for on-site customer service. Equipped with an integrated touch panel, use finger to quick adjust the parameters.

### Technical Parameters

|                    |                                                                                    |
|--------------------|------------------------------------------------------------------------------------|
| Laser Type         | Pulsed Laser                                                                       |
| Laser Power Supply | 100W, 200W, 300W                                                                   |
| Advantage          | Small size, lightweight, equipped with a handle, making it easy to carry and move. |



## BL-PORTABLE-LASER CLEANING MACHINE



### Product Description

- Designed in a backpack-style casing, it can be used with batteries, eliminating the need for power cords and making it suitable for outdoor work.

### Technical Parameters

| Parameter           | Specification                 |
|---------------------|-------------------------------|
| Laser Power         | 200W / 300W                   |
| Wavelength          | 1060—1070nm                   |
| Cleaning Head       | Dual-axis scanning            |
| Scan Range          | ≤245×245 mm                   |
| Cleaning Speed      | ≤30000mm/s                    |
| Working Temp        | 25°C± 10                      |
| Cooling Method      | Air cooling                   |
| Dust Blowing Method | Circular air knife            |
| Power Supply        | AC 220V ± 10%                 |
| Protection Level    | Class 4 Laser / EMC Certified |



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