



Intelligent laser equipment  
**PRODUCT BROCHURE**

V COMPANIES GROUP





ผู้เชี่ยวชาญด้านงานทำความสะอาด

We Provide Cleaning Solution for your Industrial



**V Companies Group** pride ourselves in creating history and leaving a legacy.

We pioneered the use of dry-ice and dry-ice/abrasive hybrid blasting applications for gas turbine, steam turbine and other rotating equipment in Thailand. We are arguably the most experienced in the world based on number of jobs completed of this kind. The blast cleaning application is also a very effective method for servicing boiler tubes as well as power generator/stator.



## Cleaning Technology

V Companies Group Cleaning Services







# Laser Cleaning Technology

FASTER | CLEANER | QUIET | DUST-FREE



## LASER CLEANING

Clean heavy contaminants, rust, paint, & other unwanted substances without damaging the surface



Precision Cleaning



Non-contact cleaner



Versatility



Eco-Friendly



Safe Operation





# Continuous laser cleaning machine

## Model

CW – 1000

CW – 2000

CW – 3000

1. Precise cleaning. Laser machine cleaning can easily reach the corners of complex design objects for precise and localized cleaning.
2. No damage to the substrate. Fiber laser cleaning adopts non-contact cleaning method, no abrasive, no mechanical force, and no damage to the surface of the object.
3. Safe and pollution-free. The laser cleaning metal process does not use chemicals and other media, does not produce chemical pollution, and is more environmentally friendly.

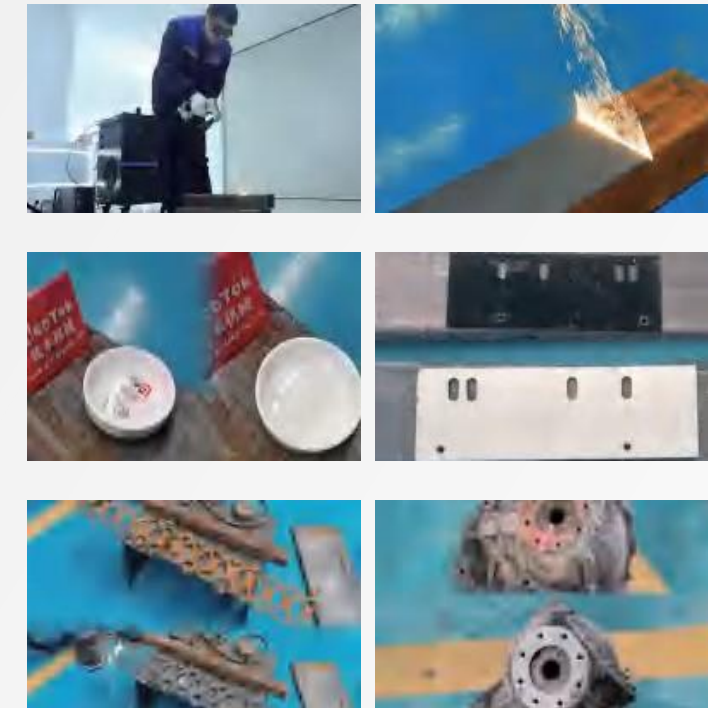


4. Easy to use. Laser cleaning machine has low technical requirements for operators and low labor intensity. The average worker is trained to handle multiple metal rust removal projects on his own.

## Machine parameter

No	Description	Parameter
1	Model	CW1000, CW2000, CW3000
2	Line length	10M
3	Laser generator	JPT / Reci / Raycus / IPG / Max
4	Cleaning efficiency	12M <sup>2</sup> /h
5	Laser power	1kw, 2kw, 3kw
6	Cooling type	Water cooling
7	Support language	English, Chinese, Japanese, Korean, Russian
8	Scanning width	10-270mm
9	Expected focal distance	160mm
10	Dimensions	1240mm×620mm×1060mm
11	Pulse-frequency (kHz),range	20-200

## Applications



## Machine picture





# Pulsed laser cleaning machine

## Model

PL – 300

PL – 500

PL – 1000

## Machine parameter

No	Description	Parameter
1	Model	PL-300, PL-500, PL-1000
2	Line length	3M/5M (different power, different cable length)
3	Laser generator	JPT
4	Cleaning efficiency	12M <sup>2</sup> /h
5	Laser power	300w, 500w, 1000w
6	Cooling type	Air cooling:100w,200w,300w;Water cooling:500w,1000w
7	Support language	English, Chinese, Japanese, Korean, Russian
8	Input power	220V, 50/60H
9	Expected focal distance	160mm
10	Cleaner material	Metal paint rubber plastic wood
11	Pulse-frequency (kHz),range	20-200

## Applications



Low power laser cleaning machines do not equal low efficiency. The pulse laser cleaning machine can provide a gentle, high-precision surface cleaning solution. It can clean non-metallic materials, such as rubber products, wood products, hard plastic products, etc. Wider application range



The 300W/500W/1000W pulse laser cleaning machine can provide a gentle, high-precision surface cleaning solution. The portable laser cleaning machine is equipped with universal wheels at the bottom of the chassis, making it easy to move and can be easily brought to any work area that requires cleaning.

## Machine picture





# Backpack pulse laser cleaning machine



This pulse laser cleaning machine adopts a backpack design, which is light and easy to carry, making the cleaning work more convenient.

Pulse type high-precision cleaning, light pattern can be set, with 8 scanning modes to achieve selective cleaning of precise position and size.

The handheld laser cleaning machine designed with a backpack can efficiently remove rust, stains, oil stains, coatings, etc. on the surface of the workpiece. It is suitable for industries such as mechanical processing, restoration of cultural relics, and mold cleaning.



## Model

**BPL – 100**

**BPL – 200**

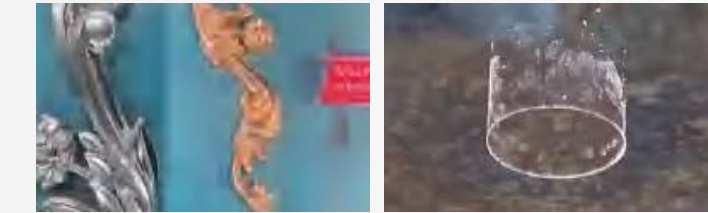
## Machine parameter

No	Description	Parameter
1	Model	BPL-100, BPL-200
2	Line length	1.5M
3	Laser working mode	Pulsed
4	Maximum single pulse energy	1.5mj
5	Laser power	100w, 200w
6	Cooling type	Air cooling
7	Support language	8 Language switching
8	Input power	220V, 50/60H
9	Expected focal distance	160mm
10	Measurement	213mm*123mm/168mm*339mm
11	Main engine weight	8.5kg

## Machine picture



## Applications





## After-sales service

We have a complete and professional after-sales team, which can deal with all kinds of failures of the machine's software and hardware.



After-sales personnel classify the machine's different degrees of failure and establish a table.



The official website continues to update relevant teaching videos of common machine failures. Through the video, most common faults can be handled independently, and try to help you save time and money spent on repairs.



All-weather dedicated online customer service, detect the cause of the failure within 24 hours and work out a solution for troubleshooting




Provide paid on-site maintenance services for difficult-to-solve faults, and sort out various after-sales problems for machines.





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