

Minvan

ARCBRO LASER CLEANING MACHINE 1000W / 1500W





Safe and effective laser cleaning machine, the best laser setup for your needs!

Minvan is a new generation of laser non-contact cleaning high-tech products launched by ARCBRO. It does not damage the part matrix, no consumables, energy-saving and environmental protection, and efficiently removes resin, oil, stains, dirt, rust, plating and painting on the surface of coated workpieces, which can meet the complex Industrial processing field.


The cleaning requirements of styling and fine positioning can achieve higher cleaning effect and lower comprehensive cost of production efficiency.

Standard configuration

 **Cleaning function:**
laser non-contact cleaning

 **Fiber Optic Cable:**
6-8 meters

 **Power:**
1000W/1500W

 **Operation method:**
Handheld/Automated

 **Pulse Width:**
20ns-500ns adjustable

Multiple choices

We have professional laser instructors to help you analyze and sort out your cleaning needs, and provide you with the most reasonable solution!

- **Cleaning Size**

Scanning range (length * width): Line type 1mm-300mm, continuously adjustable
Depth of focus: ±5mm

- **Scope of application**

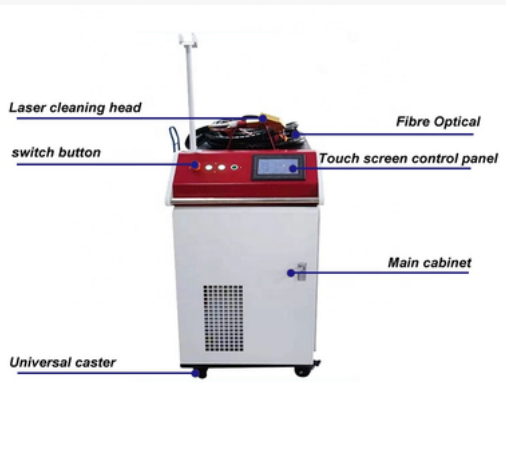
Mainly used in automobile manufacturing, mechanical processing, railway industry, electronic processing, cultural relic restoration, mold industry, shipbuilding industry, food processing, petrochemical industry and other industries

Safe and effective cleaning solutions!

Unlike other forms of cleaning – including media blasting and plasma cleaning – when used properly, laser cleaning ticks the safety boxes for your operators and employees, your product(s), and the environment. The only safety wear your operators will need to use are safety glasses and a designated hazard zone.

Our laser solutions create no additional waste and absorb into and remove contaminants down to the foundation – without damaging your substrate. This means that each time you use our lasers, you're ensuring a smooth finish that protects the lifespan of your product and is safe for the environment.

Smart Laser Cleaning Machine



Laser cleaning head: Laser cleaning head: Hand-held, lightweight and flexible, 360-degree cleaning without dead ends.

Fibre Optical: 6-8 meters in length, convenient for cleaning large workpieces.

Switch Button: Equipped with emergency stop button, one key can shut down.

Touch Screen Control Panel: Parameters such as power, width, and speed can be set.

Main Cabinet: Includes lasers, water coolers and other accessories.

Universal Caster: It is convenient to push the machine and apply different scenarios.

Efficient and effective

Stable cleaning efficiency, no chemical cleaning liquid, automation. Laser cleaning is non-abrasive to the surface, environmentally friendly and works at almost neglectable consumable cost.

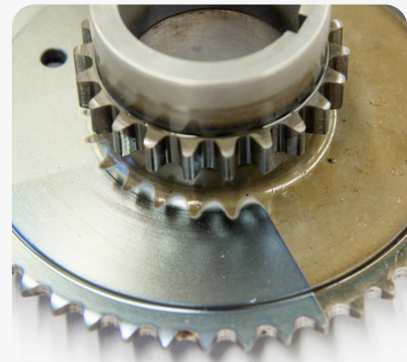




Wide range of cleaning!

Better cleaning performance

From metal to nonmetal applications, if your product is covered by contaminants — including rust, grease, mold, oil, or others — then laser cleaning may be the right solution for you. Laser cleaning works best on targeted areas and uses laser light to absorb into and remove contaminants. With thousands of laser pulses per second, you can clean anything — from a small area on an aircraft to the bulkhead of an aircraft carrier.



Automatic/handheld universal operation design

The upper cleaning head can be controlled by the handle switch to trigger the laser switch, or the laser switch can be controlled by a robot or CNC through an automated control interface.

Anti-interference design

Improve the anti-interference ability of the cleaning head through measures such as digital signal enhancement, signal line shielding layer, galvanometer packaging, and metal shielding shell design.



SPECIFICATIONS

Product Type	Laser Cleaning Machine
Model	Minvan
Cooling system	Air Cooling Fiber Laser Markng Machine
Laser source	IPG Raycus Max JPT
Operation method	Handheld/Automated
Laser working method	pulse
Pulse width	20ns-500ns adjustable
Maximum single pulse energy	15mJ
Power adjustment range (%)	10- 100 (gradient adjustable)
Laser wavelength	1064nm
Scanning range (length * width)	Line type 1mm-300mm, continuously adjustable
Scan rate	10-6000mm/s
Focal length of field lens (mm)	210mm (160mm-500mm optional)
Depth of focus	≥±5mm
Washing head weight	About 1.9Kg (including isolator)
Total Weight	150Kg

ARCBRO SUPPORT

ARCBRO LEARN CAMPUS

Learn the machines before you get them.

Make the work simple! View ARCBRO learn campus online to learn the machines before you get them. ARCBRO learn campus is a online CNC plasma cutting training program in the industry. It takes our customers through a series of knowledgeable and concise videos and files to give them in-depth training and technical instruction. These videos will take even your newest operator to an expert level in no time. They were formulated with our customers at the forefront of our minds, which has transcended into fast and effective training for many different markets, such as: education, metal art, custom automotive part fabrication, and many others. Link: <https://www.arcbro.com/learning-campus/>



ARCBRO TROUBLESHOOTING

You can buy any arcbro product without any hassle!

All our products have a precise and reliable manufacturing quality inspection system. In addition, all products have a one-and-a-half year warranty and are accompanied by the best after-sales protection system in China. Multilingual professional engineers perform online machine diagnostics in 24 hours. We bear the cost of any parts failure or damage during the warranty period and you only need to pay the shipping cost.

In addition, you can easily find all the after-sales solutions you may need on our official website. We have organized the questions that customers have asked us when using the machine for many years, and gave answers in detailed but easy to understand words to help you solve the problem as quickly as possible.

Want to know more, just browse our official website, click support, enter Arcbro troubleshooting system. Link: <https://www.arcbro.com/troubleshooting/>



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