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100W Portable Handheld Laser Cleaning Machine

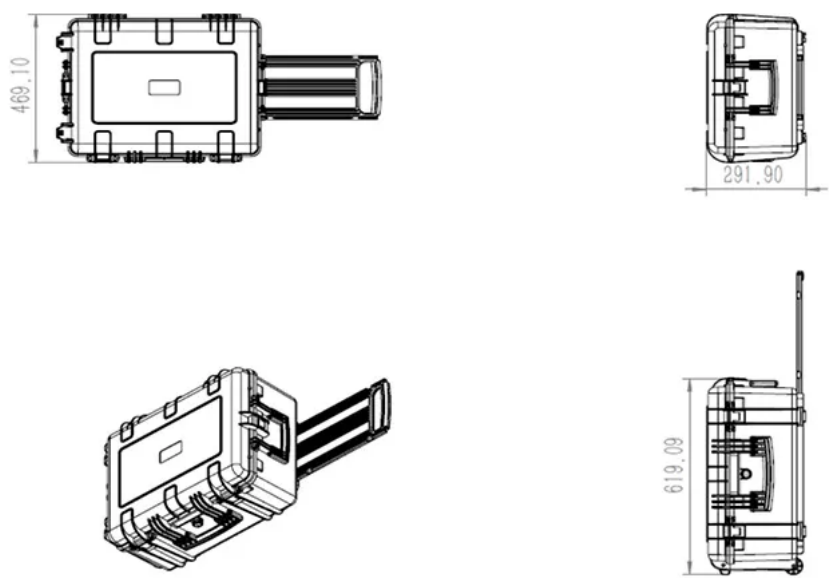
Portable laser cleaning equipment is a new generation of high-tech products for surface cleaning, easy to install, operate and realize automation. The operation is simple, the power is turned on, and the equipment is turned on to perform cleaning without chemicals, media, and water. It has the advantages of manual adjustment of focus, surface cleaning, and high cleanliness of the cleaning surface. It can remove resin and oil on the surface of the object. Stains, dirt, rust, coating, plating, paint, etc. Using the characteristics of precise positioning, it can meet the processing of a variety of modeling workpieces, and achieve the effect of high efficiency and cleaning.

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Product Description

The portable laser cleaning machine is a newly launched laser cleaning tool. The cleaning machine has many advantages such as portable and lightweight, flexible and adjustable parameters, wireless control, etc. It can efficiently remove rust, stains, oil stains, coatings, etc. on the surface of the workpiece, and is suitable for Mechanical processing, cultural relics restoration, mold cleaning, food processing, electronic circuits and other industries, using the characteristics of precise positioning, can meet the processing of a variety of modeling workpieces and achieve efficient cleaning effects.





清洗机外箱尺寸图

Main Features Of Portable Laser Clean Machine:

- 1. It can be run offline and can be cleaned after power on.
- 2. Non-contact cleaning, no chemical cleaning fluid, no consumables, no damage to the part matrix, safe and environmentally friendly
- 3.The laser cleaning head is extremely lightweight and can be operated by hand for a long time.
- 4.Patented red light assisted focusing technology, can adjust the focus position according to different field lenses.
- 5. Wireless control, can realize parameter setting and light control remotely, and update the parameters at any time
- 6. Portable trolley case design, the weight of the whole machine is 28kg, and it can be transported by high-speed rail or air.
- 7. Super integrated injection molding chassis, cushioning design, stable structure, wear resistance, shock resistance and drop resistance.



Laser rust removal machine Parameters:

| Model | iGCL-MOPA |
|------------------------------|---------------|
| Optical cable length | 5m |
| Average output power | >100w |
| Cooling method | air cooling |
| Voltage | 220v |
| Max power consumption | <450w |
| Whether anti-high reflection | Yes |
| Operating temperature range | 0-40C° |
| Storage temperature range | -10~60C° |
| Washing machine size | 619*469*291mm |
| Laser head weight | 0.62kg |
| Whole machine weight | 28kg |



Advantage Of portable laser cleaning machine :

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This type of fiber laser is pumped by a fiber coupled output semiconductor laser, which has higher energy conversion efficiency; and the laser adopts an air-cooled system, which has a more compact heat dissipation structure, a smaller volume and more portable; and an integrated all-fiber design, So that the system is free of maintenance and convenient for customers to use.



The control system adopts the laser cleaning control card and program independently designed by JPT, which can control the laser parameters and the scanning system parameters at the same time. It is also equipped with a wireless control card. The handheld control card is also independently developed and designed by JPT. The control card communicates with the cleaning machine to realize remote control of parameters such as scan shape, scan length, laser output power, frequency, and pulse width. The power interface is a standard three-plug 220V AC power supply, machine can be used immediately after power on.



Derusting on track



Cleaning the oxides and pollutants on steel tubes surface

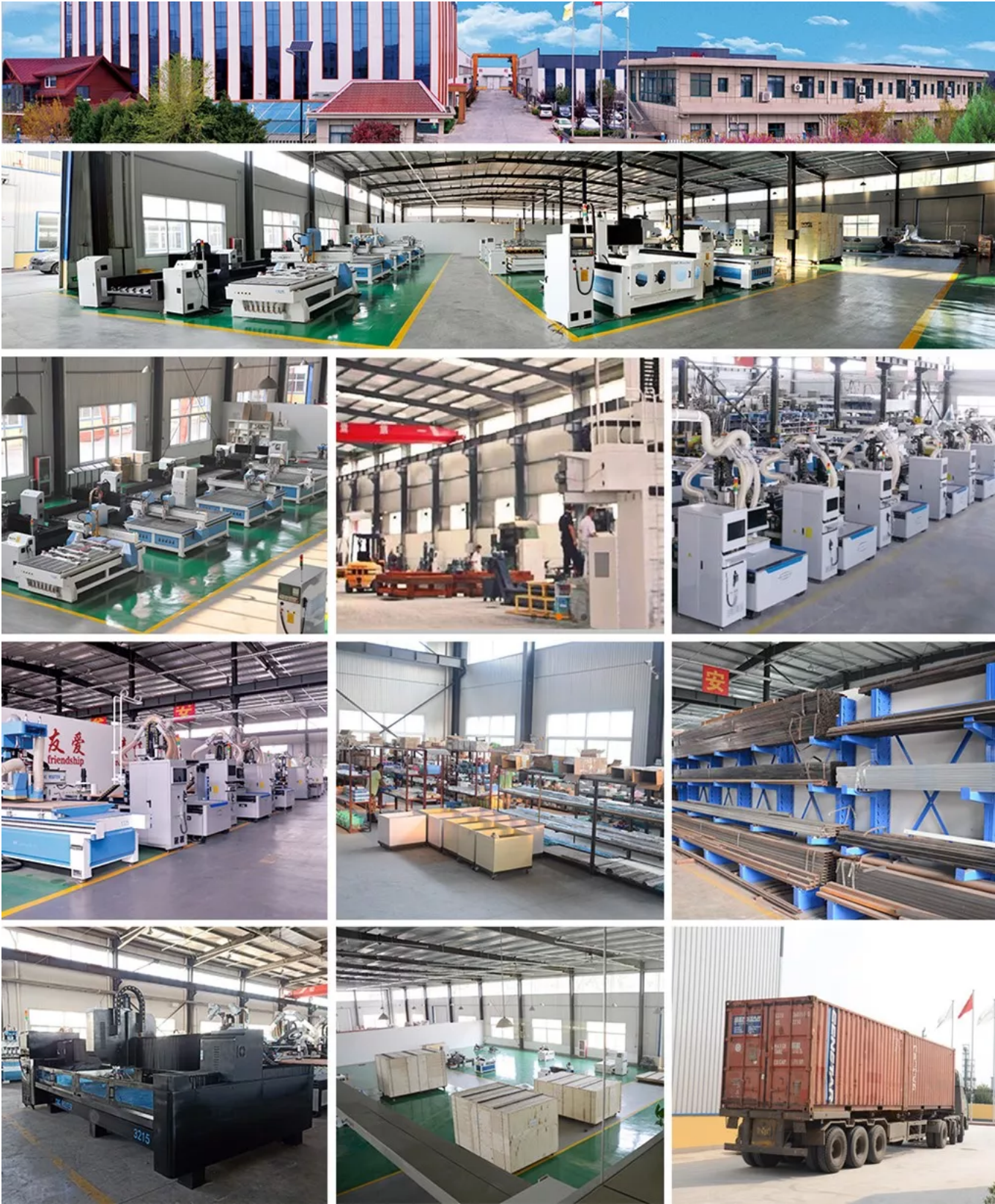


Cleaning the verdigris on copper alloy surface

Portable Handheld Laser Cleaners Applications:

Metal surface derusting, surface paint removal and paint removal, surface oil stains, stains, dirt cleaning, surface coating removal, welding surface, spray surface pretreatment, stone surface dust and attachment removal, rubber mold residue Clean up, etc.





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