



## FIBER LASER CLEANING



## Laser Cleaning Series Introduction

The laser cleaning machine is a high-tech product of the new generation of surface cleaning. It has the advantages of easy control, easy automation integration, no chemical reagents, conformable surface cleaning, high cleaning cleanliness and high precision. It is highly efficient, environmentally friendly, reliable, and almost no damage. It also can solve a variety of problems that traditional cleaning cannot solve.

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## Feature:

- No grinding, non-contact cleaning to avoid secondary pollution
- High cleaning precision and strong controllability
- No consumables, strong environmental protection
- Easy to handle, plug-in, automatic cleaning with hand or robot
- High cleaning efficiency saves time, stable system and long life
- One-time investment, cost-effective

### More features:

- 01 The domestic first high power fiber laser cleaning Machine.
- 02 Non-Contact cleaning, no-hurt to materials.
- 03 Accurate cleaning, position and size, alternative cleaning.
- 04 Safe and environmental, no any cleanout fluid and consumable when use.
- 05 Simple operation, With electricity, handheld or automation cleaning with robot.
- 06 Efficient cleaning and save time.
- 07 Stable laser cleaning system. Almost no maintain.

## Application:

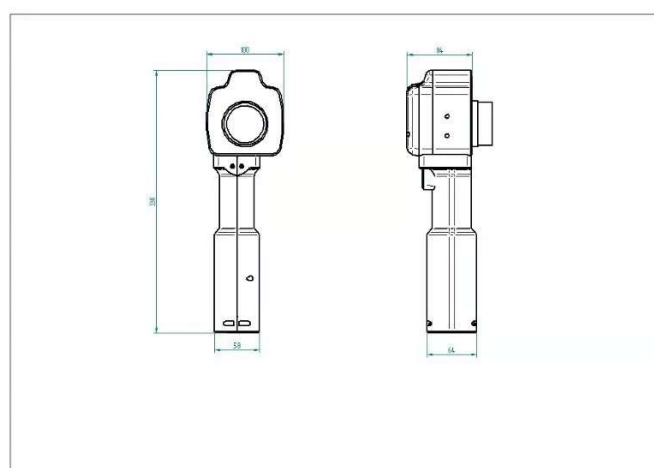
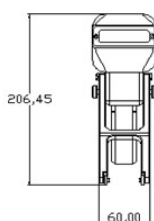
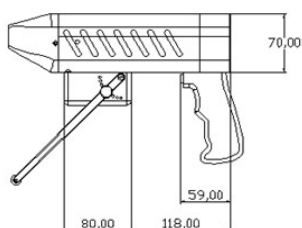
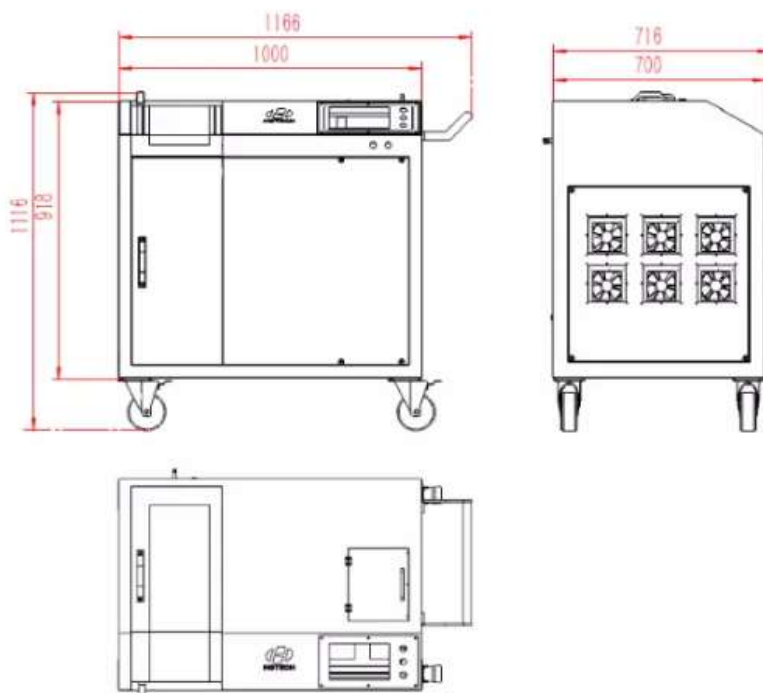
Metal surface rust removal, Surface paint removal and paint treatment, Surface oil, stains, dirt cleaning, Surface coating, clear coating, Welding surface / spray surface pretreatment, Stone surface dust and attachment removal, Rubber mold residue cleaning

## Applied Industry:

Automotive perimeter, ship, rail transit, aerospace, rubber mold, environmental protection, etc.

## Tech Parameter

|  |   |                            |                            |
|--|---|----------------------------|----------------------------|
| Name   | LSF100C   | LSF200C                    | LSF500C                    |
| Average output power                           | 100W  | 200W                       | 500W                       |
| Cleaning line speed                            | ≤7000mm/s   | ≤7000mm/s                  | ≤7000mm/s                  |
| cooling method                                 | Air cooled  | Water cooled               |                            |
| Job mode                                       | Manual / Auto                                       |                            |                            |
| Working distance                               | 160 (standard), 210, 250mm                          |                            |                            |
| Scanner weight                                 | 2Kg or so   | 2.5Kg or so                | 2.5Kg or so                |
| Fiber length                                   | Standard 4.5M                                       | Standard 4.5M              | Standard 10M               |
| power supply                                   | AC 220V 50KHz                                       | AC 220V 50KHz              | AC 220V 50KHz              |
| total measurement<br>(length × width × height) | 718mm × 641mm ×<br>852mm                            | 1166mm × 716mm<br>× 1116mm | 1250mm × 850mm ×<br>1250mm |
| Ambient temperature                            | 25±5°C  |                            |                            |
| Vibration required                             | 0.98 m/s <sup>2</sup> (0.1 G) or less, 10 to 60 Hz. |                            |                            |





## Laser Cleaning Samples:

Laser cleaning Machine is a new generation of industrial surface cleaning laser system. It adopts the advanced laser source, laser optical scanners and control system to meet the requirements of metal surface cleaning process.



Limpeza moldes de  
neumáticos en Automoción



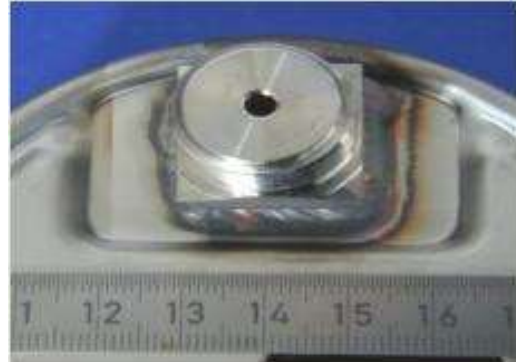
limpieza de espacios pequeños



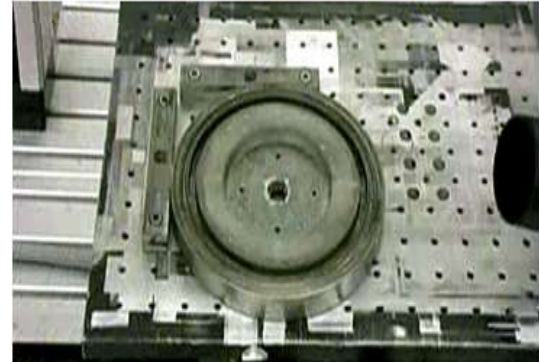
Eliminación de tinta de rodillo



Limpeza de capa de óxido de  
acero inoxidable.



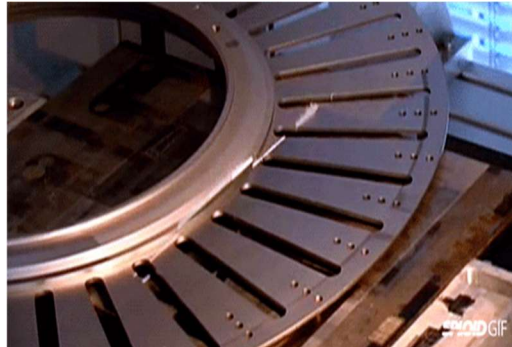
Tratamiento de óxido de soldadura



Limpeza de residuos de  
recubrimiento de nitruro de  
titanio en molde



Elimina corrosion de acero



Limpeza aceite/grasa acero  
inoxidable



Limpeza de costura de soldadura



Elimina oxido grandes superficies



Desengrase Rodamientos



Eliminación de pintura de placa de  
acero