

## Q Pulse Laser Cleaning Machine

——MY-C100H



WISELY LASER



www.wiselylaser.com



- ★ 2D/3D Laser Marker
- ★ CO2 Laser Engraver/Cutter
- ★ Laser Welder / Cleaner
- ★ Laser Automation



## Technical Configurations

### Technical Parameters

Name	Q Pulse Laser Cleaning Machine		
Model	MY-C100H	MY-C200H	MY-C300H
Laser Power	100W/200W/300W		
Max. Cleaning Width	10~100mm		
Laser Wavelength	1064nm		
Fiber Laser Source	JPT Q Pluse laser source from China		
Scan Head	WaveLength from China		
Controller	WaveLength from China		
Life-span of Laser Source	100,000 hours		
Adjustable Frequency	1~4000KHZ	1~4000KHZ	1~1000KHZ
Adjustable Q Pulse	2~500ns	2~500ns	80~500ns
Cooling Mode	Air Cooling		
Operation Environment	5°C~40°C		
Power Stability (8h)	<±1.5%rms		
Power Input	220V/50HZ/1P		
Dimension (L*W*H)	820×620×1020mm		
Package Size	1000*800*1230mm		
Net Weight	130KG	140KG	150KG
Gross Weight	180KG	190KG	200KG
Power Comsuption	~2.3KW/H		
Kind of Cleaning Mode	5		
Fiber laser cable length	5m		
Optional Parts	Lens, Fume Purifier, other customized Automatic Matching System		

### Advantages

Comparison Items	Laser Cleaning	Chemical Cleaning	Mechanical Polishing	Dry Ice Cleaning	Ultrasonic Cleaning
Cleaning Method	Laser Non-contact Type	Checmical Cleaning Solution, Contact Type	Mechanical Sandpaper Contact Type	dry ice non-contact type	cleaning solution contact type
Workpiece Damage	NO	Yes	Yes	Yes	Yes
Cleaning Efficiency	High	Low	Low	Medium	Medium
Comsumables	Energization Only	Chemical Cleaning Solution	Sandpaper, grinding wheel, abrasive stone, etc.	dry ice	special cleaning solution
Cleaning Effect	Excellent Cleanliness	Average Non-uniform	average non-uniform uniform	excellent non-uniform	excellent small cleamning scope
Precise Cleaning	Precise and controllable cleaning. High precision	Uncontrollable Low Precision	uncontrollable average precision	Uncontrollable Low Precision	Unable to deine scope of cleaning
Safe/Environment-friendly	No Pollution	Chemical Pollution of the environment	pollution of envernement	no pollution	no pollution
Manual Operation	Simple Operation, Hand-held or Automatic Operation	Complicated Process and procedures, posing high requirements on operators and requiring pollution prevention measures	complicated process and procedures, posing high requirements on operator and requiring pollution prevention measures	simple operation hand-held or automatic operation	simple operation, but manual addition of consumables is required
Cost Input	High initial investment No consumables Low maintenance Cost	Low initial initial investment and extremely high cost for consumables	high initial investment and high cost for consumables and labor	medium initial investment high cost for consumables	low initial investment and medium cost for consumables

### Shipment

Within 7-10 working days after receiving your payment.

### Warranty

All machine have a warranty period of 24 months since the production date.



## Applications

### Features

- 1) Hand-held operation, compact structure and light weight.
- 2) Save Energy, protect the environment, no secondary waste.
- 3) Non-contact cleaning, no damage on matrix material after cleaning.
- 4) Off-line operation, no need computer and any edition for the file.
- 5) 5 Modes for different cleaning objects and cleaning effect, easy to swift the modes quickly.
- 6) Cleaning width can be adjustable easily.
- 7) No consumption, almost free maintenance.
- 8) With friendly safety protection system, the laser will be locked if the laser stops more than 2 minutes.

### Application

- 1) Removal of the coat layer on the surface of metal or glass, and quick paint removal.
- 2) Quick removal of rust and various oxides.
- 3) Removal of grease, resin, gum, dust, stains and production residues.
- 4) Surface roughening of metal and glass.
- 5) Removal of paint, rust, oil stains, oxides and residues produced by welding before welding or adhesion.
- 6) Removal of oil stains of precision parts after production and processing.
- 7) Quick cleaning for maintenance of nuclear power parts.
- 8) Oxide treatment, paint removal and rust removal during the production or maintenance of aeronautic and astronautic weapons and vessels.
- 9) Metal surface cleaning in small space.
- 10) Cultural relic cleaning, rock cleaning, building exterior surface cleaning, steel structure anti-corrosion engineering.
- 11) Mold cleaning, such as tire mold, electronic mold and fold mold.

## Samples

