

CW Laser Cleaning Machine

—MY-C1000H



WISELY LASER



www.wiselylaser.com



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



CW Laser Cleaning Machine Technical Configurations

Technical Parameters

Model	MY-C1000H	MY-C1500H	MY-C2000H
Laser Power	1000W	1500W	2000W
Max. Cleaning Width	10~300mm		
Laser Wavelength	1080nm		
Fiber Laser Source	JPT from China / Raycus from China / IPG from Germany		
Scan Head	GUOYUAN LASER		
Controller	GUOYUAN LASER		
Life-span of Laser Source	100,000 hours		
Maximum Frequency	20KHZ		
Cooling Mode	Water Cooling Chiller - buildin		
Operation Environment	5°C~40°C		
Power Stability (8h)	<±1.5%rms		
Power Input	110V/60HZ/1P or 220V/50HZ/1P or 380V/50HZ/3P		
Dimension (L*W*H)	620*1250*1400mm		
Package Size	770*1400*1550mm		
Net Weight	160KG	180KG	200KG
Gross Weight	210KG	230KG	250KG
Power Comsuption	~8KW/H	~10KW/H	~13KW/H
Kind of Cleaning Mode	7		
Fiber laser cable length	15 meters		
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 cleanming 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 enveronment	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) Off-line operation, no need computer and any edition for the file.
- 4) 7 Modes for different cleaning objects and cleaning effect, easy to swift the modes quickly.
- 5) Cleaning width can be adjustable easily.
- 6) No consumption, almost free maintenance.

Application

- 1) Quick removal of rust and various oxides.
- 2) Removal of grease, resin, gum, dust, stains and production residues.
- 3) Removal of rust, oil stains, oxides and residues produced by welding before welding or adhesion.
- 4) Removal of oil stains of precision parts after production and processing.
- 5) Oxide treatment, rust removal during the production or maintenance of aeronautic and astronautic weapons and vessels.
- 6) Metal surface cleaning in small space.

Samples

