

G MAX NW Series

Handheld Laser Welding Machine







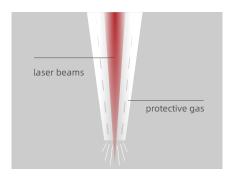






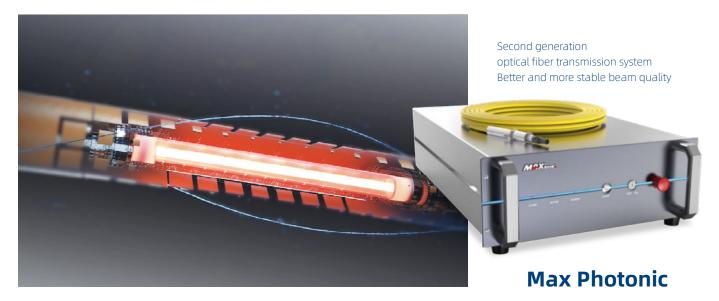


Circulating water circuit design Rapid cooling of the gun body



Coaxial blowing mode of protective gas It is no longer limited to linear welding









Technical Specifications

Models	GMAX 1500	GMAX 2000	GMAX 3000
Laser Power	1500 W	2000 W	3000 W
Laser Wavelenght	1070 NM	1070 NM	1070 NM
Fiber Cable Lenght	10 m	10 m	20 m
Cooling Method	Water	Water	Water
Positioning Method	Red laser dot	Red laser dot	Red laser dot
Welding speed	0-160mm/s	0-200mm/s	0-250mm/s
Voltage	220V 50/60 Hz	220V 50/60 Hz	380V 50/60 Hz
Power consumption	7 KW	9 KW	13 KW
Air pressure	10-15l/m	10-15l/m	10-15l/m
Max currency	30A	40A	34A
Scan width	0~4mm	0~6mm	0~8mm
Lase gun	motor wobble	motor wobble	motor wobble
Focus length	150mm	150mm	150mm
Cryogenic water flow	13l/min	13l/min	13l/min
Chiller's water	Purified water or deionized water		
Protective gas	Argon gas could meet most of the requirement		
Welding wire diameter	0.8/1.0/1.2/1.6/2.0 mm		
Option	Double automatic wire feeder		



The advantages of laser welding

advanced technology for efficient and quality welding



High welding efficiency

- 1. 5 to 10 times faster than traditional TIG welding.
- 2. Low thermal distortion and the absence of spatter dramatically reduce the need for postweld cleaning and the use of chemical reagents.



Energy savings and efficiency

- 1. Cost savings of 70-80% in practical production thanks to high production speed.
- 2. Reduced energy costs due to a maximum absorption capacity of 6 kW at 220 Volts.



Ease of use and rapid training:

- 1. It only takes 4 hours to learn how to use our lasers and apply them in production.
- 2. No specific skills are required; anyone can quickly learn how to use this equipment.



European product quality, fast and punctual customer service.

- 1. TUV Rheinland certification
- 2. Nworld customer service
- 3. European standard components





High qualities components made by world well-known laser sources

MAX is currently largest manufacturer of fiber laser sources in the world. Now we chose the latest generation fiber source, protected against beam reflection. The latest model of the resonator achieves ultra-high power output, which translates into optimal performance and excellent weld quality.

The photovoltaic conversion efficiency is more than 30%.

Hanli Industrial chiller

- Professional matching laser welding machine, small size, compatible with cabinets of various manufacturers;
- 2. A full range of environmentally friendly refrigerant systems;
- 3. One-button intelligent control, convenient operation, ISO9001 quality management system, fault code query system;
- 4. Integrated design, convenient maintenance;
- Stable and reliable performance, low failure rate, energy saving and power saving;





Auto-wobble Head

The wobble welding joint is independently developed, with wobble welding mode, adjustable spot width and strong welding fault tolerance, which makes up for the disadvantage of small laser welding spot, expands the tolerance range and weld width of machined parts, and obtains better weld line forming. The weight for the welding head is only 0.8 kg.



Industrial applications



Types of welding



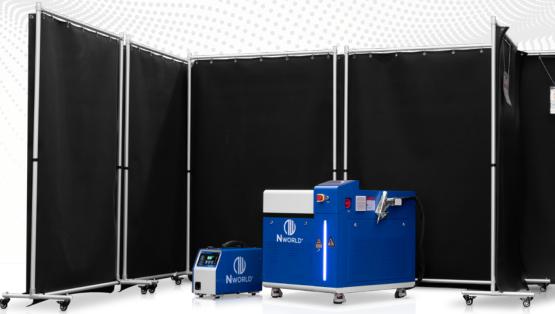




Fully customizable layout



Mobile design for barriers



Customizable layout easy to put in operation





Models



Laser welding protective mask LWM 01



Laser welding protective mask LWM 02



Laser welding protective helmet LWM 03



Laser welding protective glasses LPG 01

Maximum Protection High Technology Secured Performance High and low temperature resistant. Corrosion and flame resistant. Protection agains ultraviolet (UV) and Infrared (IR) radiation. Ergonomic design. Effective protection.





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