



Intelligent Handheld Laser Welder

YLLS-Weld-800-A

Newly updated design with GW's mature AAC technology. Stable output even in long-lasting harsh environment. New smaller fiber core offer higher brightness and deeper welding penetration. Integrated ABR technology ensure robust welding against copper, aluminum, etc..

Advantages

- AAC technology, without water chiller, maintenance-free;
- Ambient temperature 0~45°C, continuous operation for 24 hours;
- Higher integration and easier installation;
- Lower power consumption.

Applications

A wide range of welding materials: different thickness of steel (such as carbon steel, galvanized steel), aluminum alloy, copper, stainless steel, etc., Used in kitchen, guardrail, doors and Windows and other hardware welding market. Used in kitchen, guardrail, doors and Windows and other hardware welding market.

GW's economical laser series is oriented to the user group with the ultimate cost performance requirement, taking economy as the core, taking into account high quality and low price, which can fully meet the daily production and use needs of customers.

- New appearance design, small size, light weight
- ABR super anti-high reaction technology, can easily weld high reaction materials
- Independently developed hand-held welding gun, light weight, the welding process is not tiring
- 7 inch industrial LED touch screen, easy to set power, mode selection, fault display, etc



EO conversion
efficiency ≥ 40%



Easily weld high
anti materials



SMAT Intelligent
operating system

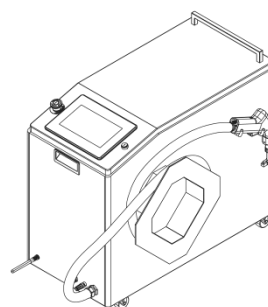
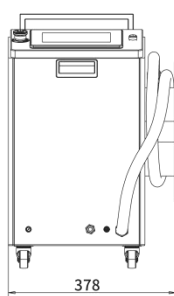
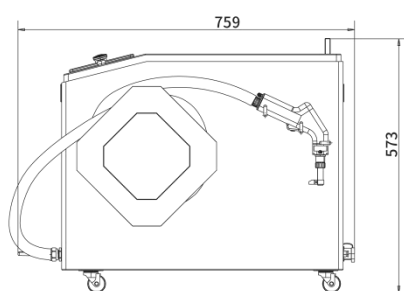


Run continuously
for 24h

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YLLS-Weld-800-A

Product specification parameter	YLLS-Weld-800-A
Output Power (watt)	800
Operating Mode	CW/Modulation mode/Linear mode/Pulse/Timing mode
Output Power Range (%)	1-100
Output Laser Wavelength (nm)	1080±10
Max. Modulation Frequency	10kHz
Wobble Way	Single
Cable Length (m)	5±0.5 (Customizable)
Cooling Method	Active air cooling
Ambient Temperature Range (°C)	0~45
Input Voltage	220VAC/50Hz
Dimension (mm)	759 x 378 x 573 (L×W×H)
Weight (kg)	< 48



Unit: mm

Legal Notice: All product information is believed to be accurate and subject to change without notice.

Legal statement:

GW smart fiber laser products are designed in strict accordance with safety regulations. All production is in accordance with international standards and regulations currently in force in the country. Each GW laser has a warning sign as shown in the figure.

MAX. AVERAGE OUTPUT POWER: 12 kW
MAX. PEAK OUTPUT POWER: 20 kW
PULSE DURATION: 0.2-2 ms
PULSE REPETITION RATE: 50 Hz-10 kHz
WAVELENGTH RANGE: 900-1200 nm

DANGER - INVISIBLE LASER
RADIATION AVOID EYE OR SKIN
EXPOSURE TO DIRECT OR
SCATTERED RADIATION
CLASS 4 LASER PRODUCT
IEC 60825-1:2014



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