



## 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  $\geq 40\%$



Easily weld high anti materials



SMAT Intelligent operating system

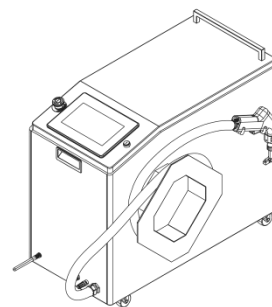
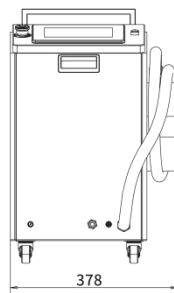
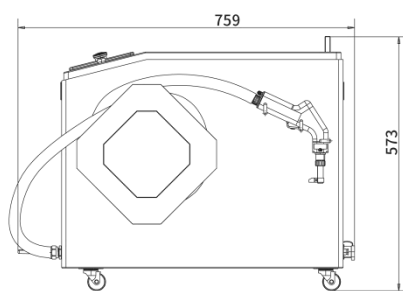


Run continuously for 24h

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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)    | 1070±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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