

## Képgyűjtemény

### Fiber lézer hegesztő berendezés

CAXTW\_F1500\_JPT\_Qilin fiber lézer hegesztő berendezés / Fiber welding machine



- Alkalmazások / Machine Application



- **Lézer rezonátor / JPTCW 1500 Fiber Laser (1500W)**

JPT single mode fiber laser(500W-2000W) is the optimal combination of optical, mechanical, electrical and software components. Through the controlling ports and the controlling software, the operating status of the laser can be monitored in real time, alarm messages can be received in time, and data can be collected. The laser uses water-cooling and shelf case design, with competitive advantage like high energy conversion (electric to light), low power consumption, maintenance free, fiber delivery, and easy to assemble, it is the most suitable laser source for industrial laser welding, cutting and other applications.



|                              | Unit    | Parameter                     |      |      |                         |      |
|------------------------------|---------|-------------------------------|------|------|-------------------------|------|
| Nominal Average Output Power | W       | 500                           | 800  | 1000 | 1500                    | 2000 |
| Beam Parameter Product       | mm*mrad | <2 @50um                      |      |      |                         |      |
| Central Wavelength           | nm      | 1080                          |      |      |                         |      |
| Spectral Width@3db           | nm      | <6                            |      |      |                         |      |
| Armored Cable Length         | M       | 8                             |      |      | 15                      |      |
| Cooling Method               |         | Water Cooled (Purified Water) |      |      |                         |      |
| Operating Voltage            | V       | Single-phase 220(AC)±10%      |      |      | Three-phase 380(AC)±10% |      |
| Maximum Power Consumption    | W       | 1800                          | 2700 | 3300 | 5000                    | 7000 |
| Switch on/off time           | us      | <20                           |      |      |                         |      |
| Maximum Modulation Frequency | khz     | 20                            |      |      |                         |      |
| Operation Temperature        | °C      | 23 ~ 26                       |      |      |                         |      |
| Storage Temperature          | °C      | -20 ~50                       |      |      |                         |      |

|              |    |                 |                 |
|--------------|----|-----------------|-----------------|
| N.W          | kg | 36              | 83.5            |
| Size (WxDxH) | mm | 483 × 484 × 133 | 483 × 800 × 178 |

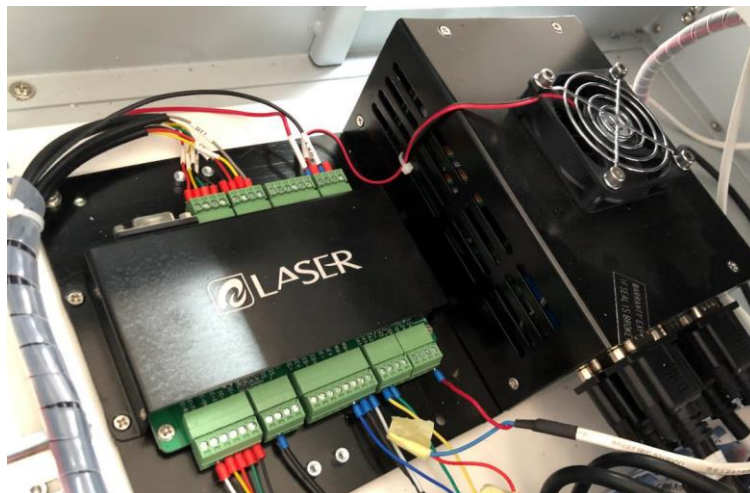
- **Quilin BWT15 hegesztőfej / Welding gun**



- - Multiple laser spot modes (6 modes: refer to attachment for more detailed introduction) can be switched freely
- - Built-in dual-axis high-speed servo motors
- - Digital display screen, real-time control of welding data
- - Circulating water routed design, rapid cooling of the welding gun body
- - The overall structure of the welding gun accords with ergonomic design
- - High-end chips, with multiple safety protection measures
- - All ports on the motherboard can resist 20W volt static

- **Vezérlő rendszer Qilin / Control system Qilin**

A variety of protection measures are added to the control signal part to avoid the potential safety hazards to users caused by control failures which may arise from mis-operation, wiring errors or current interference.



## Érintőképernyős adatbevitel / Intelligent touch screen controlling

Laser source control: Laser power output percentage, frequency, duty cycle can be set on the screen.

Welding head control: laser dot mode, motor frequency, laser beam width can be set on the screen.

Gas control: Gas blowing can be set on the screen.

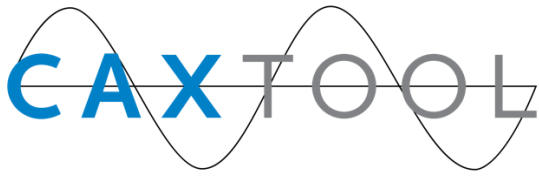
Language options: English, Chinese, Russian, Korean, Vietnamese.



- **Hűtés / Cooling System**

Ipari vízhűtő / Industrial Water chiller

Beépített Hanli vízhűtő / Enclosed HanLi brand water chiller. It saves a lot of the machine's dimension.



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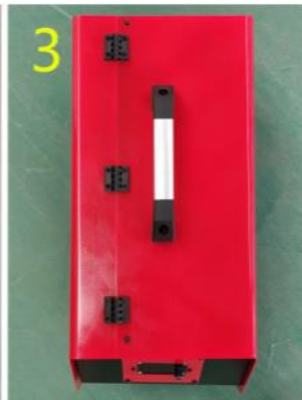


JPT fiber laser source

HanLi water chiller

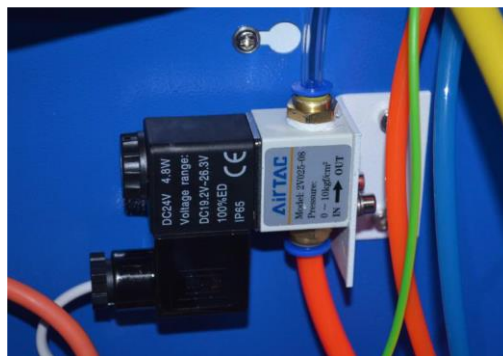


- **Hegesztőhuzal továbbítás / Auto wire feeding system**



1. Wire feeding fixture, wire feeding copper nozzle and welding copper nozzle
2. The internal structure of the wire feeder: A high-precision fully enclosed low-speed motor, and the dual-drive wire feeding structure make the wire feeding more smooth and powerful without wire jamming
3. Closed chassis design, with lift able handle and universal wheels.
4. Wire feeding regulator, LED screen displays real-time wire feeding speed, high-precision speed control knob, good wire feeding speed controll ability

- **Gáz vezérlő szelep / Gas Assist Valves**





- Hegesztő fúvókák / Nozzles

## 5 types of nozzles

1#

flat welding

2#

angle welding  
(inner corner)

3#

angle welding  
(external corner)

4#

wire feeding

5#

cutting



- Safety goggles

