







**Fiber Laser Welding Machine
Model: EtchON FLW10**

| | | | |
|--|---|---|---|
| Handheld Fiber Laser Welding Machine Model: EtchON FLW10 HSN Code: 84561000 | Connect : +91-7770019657, 59, 9923638463 | | |
| | Email : sales@etchon.com, support@etchon.com | | |
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Type: Fiber Laser



Samples



Features of the Machine

- Industrial laser engraving and welding is rapidly growing industry in the world. Particularly because there is virtually no limit to the number of materials that can engraved or welded. The operation is simple, lifelong maintenance – free, and the failure rate of the optical fiber marking is low.
- EtchON FLW10, is the Handheld Fiber Laser Welding Machine with 1000W Laser source and can be upgraded to 1500W and 2000W as per the customers requirement.
- Welding in thin stainless-steel plate, iron plate, aluminium plate and other metal materials can replace the traditional argon arc welding and electric welding technology.
- Simple operation, Fast Welding speed, Miniaturization, precision, and high integrated machine.
- Competent for harsh working environment, with high tolerance to dust, shock, humidity, and temperature.
- The energy, pulse width, frequency and light spot size can be adjusted in a large range to realize different welding effects. The parameters are adjusted by the lever in the seal cavity, which is simple and highly efficient.
- High electro-optic efficiency: The integrated electro-optic efficiency is up to 20%, which greatly saves power consumptions during work and saves operating cost.
- High service life of up to 10 years of the laser source making it more reliable and energy saving, maintenance-free performance, free adjustment, and high stability.
- Professional Laser marking software with a user-friendly and standalone system that is with inbuilt processor and touch screen.
- High power and excellent beam quality.
- Built-in water-cooling system.

Laser Machine Delivery Package

- Standard Handheld Welding Machine with cable length of 20m
- Inbuilt Chiller
- Manual

Packaging Details

- Machine Actual Size (L*B*H) cm: 1140x570x1400mm
- Machine Actual Weight (kg): 269kg
- Box Packaging Size (L*B*H):
- Gross Weight (kg):

| Laser Specifications | |
|-------------------------------------|--|
| Model | : EtchON FLW10 |
| Type of Model | : Handheld Fiber Laser Welding |
| Laser Source | : MAX/RAYCUS |
| Laser Type | : High Energy Ytterbium Fiber Lasers, |
| Mode of Operation | : Quasi-Continuous Pulse/Continuous/Modulation |
| Nominal Average Output Power | : 1000W (Optional 1500W/2000W) |
| Welding depth | : 0.5-4mm |
| Welding Spot Size | : 1.5-2.5mm |
| Central Emission Wavelength | : 1080±3 nm |
| Stability of power | : ≤±1% |
| Beam Quality | : 1.1 |
| Laser Frequency | : 50Hz-5000Hz |
| Fiber interface | : QBH |
| Fiber core diameter | : 50/100/200 um (Optional) |
| Fiber cable Length | : 8m(Standard) |
| Positioning | : Light pointer |
| Power Consumed | : ≤12kw |
| Electrical Requirement | : AC380V±10%, 50/60HZ |
| Cooling Method | : Inbuilt Water Cooling |
| Cooling capacity | : 1.8kw |
| Gas Required | : Nitrogen or Argon gas |
| Gas Consumption | : 10L/Hours |
| Working hour/day | : Max. 10 Hours |
| Laser Lifetime | : 100000 working hours |

| Laser Machine Spares | |
|------------------------------|---|
| Parts | Make / Specification |
| Laser Source | MAX/RAYCUS |
| Welding Head | Wobble welding head / Normal welding head |
| Control System | Inbuilt Control System (Standalone 7" LED Screen) |
| Fiber Cable Length | 8 meters |
| Chiller Make/Capacity | Bingyue/ 2P |

| Application Material: | | |
|------------------------------|--------------|-----------------------|
| • Stainless Steel | • Steel | • Aluminum |
| • Carbon steel | • Copper | • Alloy |
| • Cast Iron | • Zinc | • Brass |
| • Gold | • Galvanized | • Multi Coated Metals |

| Why to Choose EtchON Machines? |
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| <ul style="list-style-type: none"> • EtchON Marks Control, we are specialised in manufacturing and integration of types of marking and welding systems and its having manufacturing located at Aurangabad, Maharashtra • Our products are not only Fiber laser welding machine but also Fiber Laser Engraving Machines, Dot pin Marking Machine, Electro-Chemical Metal Etching Machine, and its allied automations. We have installed more then 3000 machines in India and exported our products to around 60 countries. • We provide innovate technological solutions to a wide range of customers in the fields of Welding, marking, and engraving processes with the help of our team of qualified experts in mechanics, automation, and instrumentation systems. • We are highly experienced in the industry, and the sole goal of our experience staff is to identify challenges in order to offer clients innovative solutions that will yield substantial saving and improve their productivity. • With the help of our product, you can increase your efficiency by introducing a strategic production unit within your companies or by designing an overall plan to improve productivity. • By working closely with clients' existing staff, we are able to implement solutions to meet specific needs and make a positive impact on production and quality. • Our mission is to work alongside clients to develop efficient and affordable solutions to meet the most stringent requirements, constantly striving to keep our knowledge up to date in a world where technology is always evolving. • We are the member of FIEO (Federation of Indian Export Organisations), EEPC (Engineering Export Promotion Council of India) and MASSIA (Manufacturing Association of Small Scale Industries Aurangabad) and feathered with Industry Excellence Award, Iconic Brand of the Year, Best Pavilion ITF Bangkok, Iconic Brand of the Year, Best Employer Award, Best MSME and Innovative Business Award. |