

Smark
Laser Automation



Fiber Laser Welding Machine

Our History:

We, **SMark Laser Automation Pvt. Ltd.**, started in the years 2021 with the 12 year's experience, are one of the foremost manufacturers an extensive array of Fiber Laser Metal Cutting Machine, Fiber Laser Marking Machine, Co2 Laser Engraving & Cutting Machine, Laser Cladding Machine, Laser Harding Machine CNC Router, ND: YAG Laser welding Machine, **Fiber Laser Welding Machine** etc. To manufacturing these products, we use quality tested components and latest technology. Our products are appreciated for their features like long service life, easy to use, low maintenance, damage resistance, Heavy & Sturdy structures.

We not only hold expertise in meeting our client's demands, but also give high importance to quality. Also, our workforce comprises of skilled engineers. The innovative design and exceptional functionality of our machines range offer long life ratings. Moreover, we continually modernize our infrastructure to include the range of improvements in our research attempts. In addition, our idea of generating unmatched value for our esteemed patrons furnishes us to deliver high-quality products and services within the limited time frame.

Application: Fiber laser Welding are mostly used in automotive, electrical, tools & tooling, medical, surgical, Jewelers & fashion accessories, kitchenware & bath fittings for Welding.

Fiber Laser Welding Machine Specifications

Model	SML-FW1000 / FW1500/ FW2000 W
Laser Frequency	5 Hz to 50 Hz
Laser Wave Length	1064nm
Cooling System	Water Cooled
Running Environment	10 - 35 Degree Celsius, Humidity 20-80 %
Output Power Stability	<2%
Output Fiber Length	10 M
Working Voltage	415V AC /50Hz
Beam Quality	1:1
Cooling Water Temperature	20-25 Degree Celsius
Average Consumed Power	2000-4000W
Warranty time	Whole machine for 1 years (Fiber 2 Years)
Rotary Axis	Optionally
Delivery time	15 days

Feature's :

- Ø The system is mainly composed of a laser unit and a welding unit.
- Ø Hand-held welding, taking into account the flexibility, high efficiency and high weld quality of laser welding.
- Ø The process of welding is non contact type, very clean process & dose not cause physical stresses.
- Ø Modular design and layout of the overall equipment, beautiful and easy to maintain and debug.
- Ø IPG / RAYCUS / JPT / MAX Photonics Laser Source
- Ø High system flexibility, compatible with a variety of models, and short changeover time.
- Ø The internal design is dexterous, and the good interactive control system expands the tolerance range of the machined parts and the weld width, solves the disadvantage of small spot size, and welds are better formed.
- Ø The shape is light, the body engineering design method is adopted, and the grip is comfortable; the hand is easy to control, and the operation is simple and easy to use.
- Ø With multiple safety alarms, the light is automatically locked after the workpiece is removed, and the safety is high.
- Ø Beautiful weld seam, fast speed, no consumables, no weld marks, no discoloration, no need for post-grinding.
- Ø Can be equipped with a variety of angle nozzles to meet the welding needs of different products.

Materials to be Welded : Aluminum, Brass and copper, Tungsten, Stainless Steel, Mild Steel, Titanium.

Pre-sale and after-sale service commitment

Pre-sale service:

Free sample making.

For free sample making/testing, please send your samples or products CAD Graphics to our company in Pune. Sample shipping back cost should be paid by purchaser.

Progressing Solution Design :

According to customer's product processing requirement, we can design the unique solution that supports higher manufacturing efficiency and better processing quality for customer.

After-sale service:

Training to install:

Option A:

We will supply the machine with training and user's manual in English for installing, operation, maintenance and trouble-shooting, and we will give technical guidance by e-mail, telephone/What's /Skype/Team Viewer/Any Desk and so on, when you meet some problems of installation, using or adjusting the cutting Parameters.

Option B:

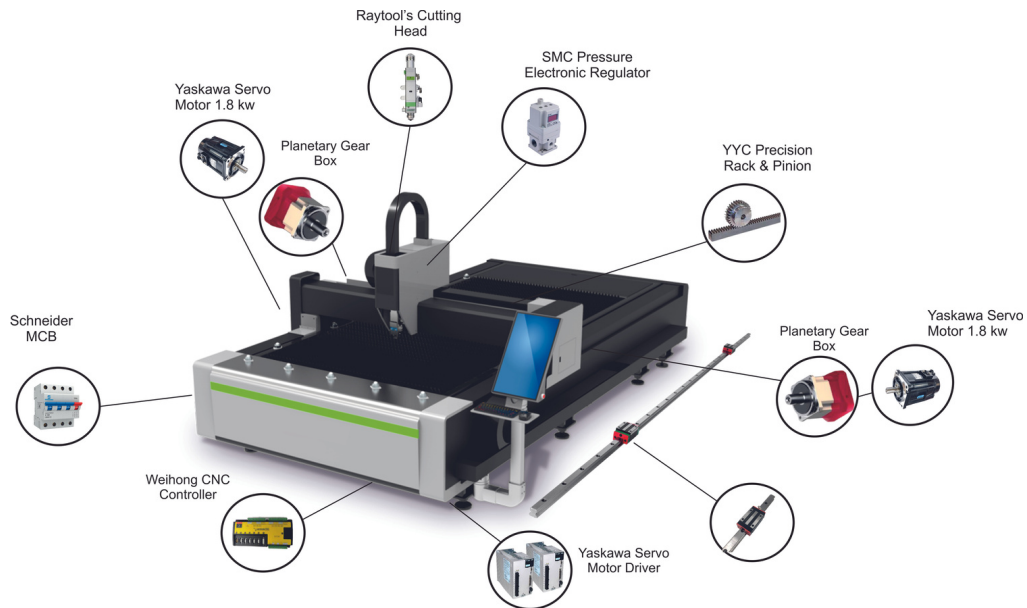
You can come to SMark Laser Automation Pvt. Ltd. factory for training. SMark Laser Automation Pvt. Ltd. will offer professional guide. Direct and effective face-to-face training. Here we have assembled equipment, all sorts of tools and testing facility. Training Time: 7 working days.

Warranty:

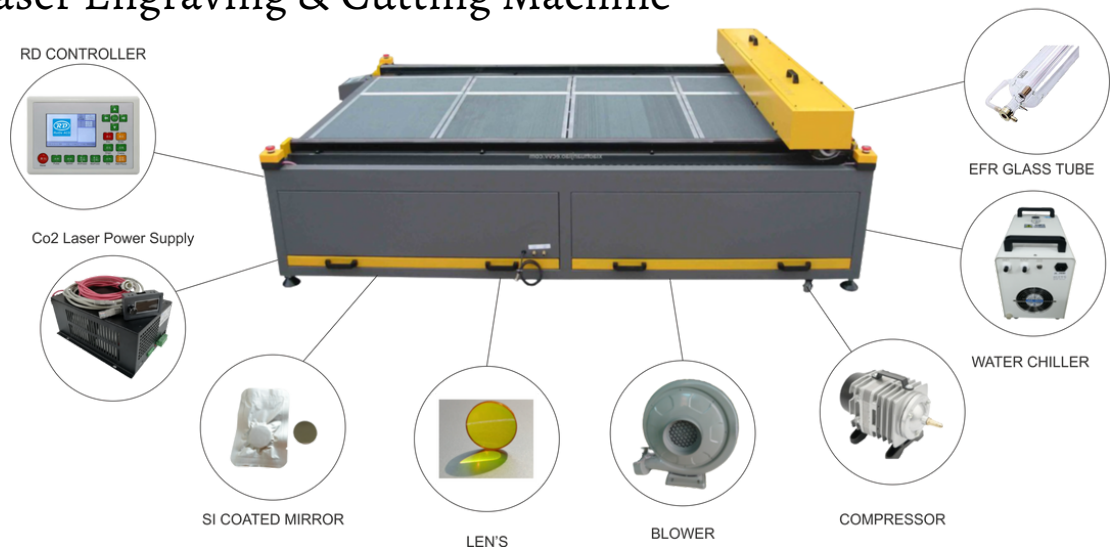
The warranty period of fiber laser source is 2 years , all other machine parts are 1 years. Warranty will be starting from machine is arriving in your destination. Except the damage artificially ,we are responsible for offering the fittings free of charge during the warranty period. Customer needs to send damaged fittings to us by courier with customer's charge before we send back the alternative fittings. After the warranty period, parts need to be repaired or changed, shall be paid.

Other Product:

Fiber Laser Cutting Machine



Co2 Laser Engraving & Cutting Machine



CNC Router & Carving Machine



Fiber Laser Welding Sample :



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