

# Fiber Laser Welding Machine



L A S E R



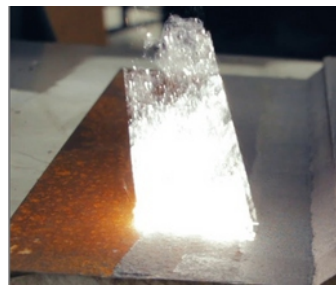
**TITAN Series**  
**1500W**



**WELDING**



**CUTTING**



**CLEANING**



**SEAM CLEANING**

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# 4<sub>IN</sub>1 Welding Machine

welding / cutting / cleaning



L A S E R

**Our 4-in-1 Fiber Laser Welding Machine combines welding, cutting, cleaning, and seam cleaning in one powerful device, offering unmatched versatility and precision.**

## **Welding Function:**

Achieve flawless spot and seam welds on materials up to 5 mm thick. The machine ensures uniform welding spots and is perfect for all types of welding seams, providing consistent, high-quality results every time.

## **Laser Cutting:**

Cut MS and SS up to 1 to 1.5mm with high precision, delivering clean, burr-free edges for complex designs.

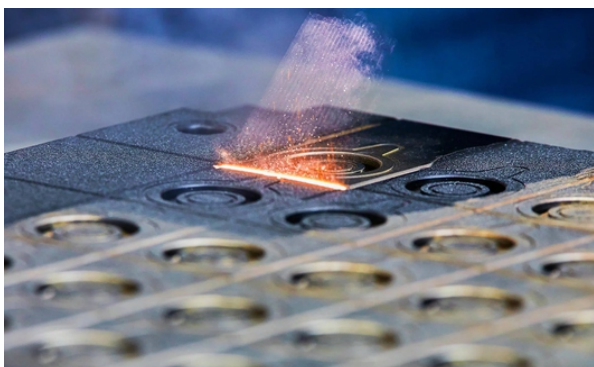
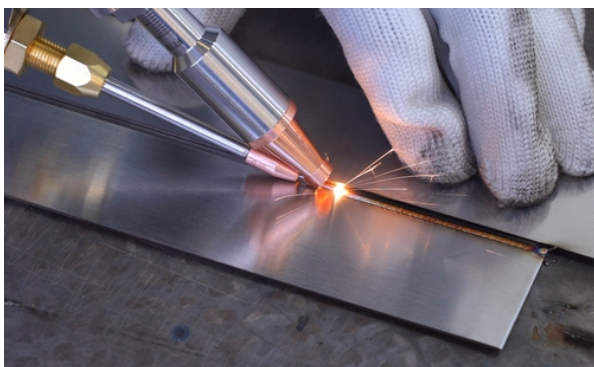
## **Cleaning Function:**

Efficiently remove paint, rust, and oil from metal surfaces. Perfect for pre- and post-welding or cutting, it ensures superior surface quality.

## **Seam Cleaning:**

Eliminate the need for pickling paste and chemicals, offering a cleaner, faster, and more eco-friendly solution for surface treatment.

This all-in-one solution is perfect for industries needing high-quality results, cost-efficiency, and fast performance. Contact us today to transform your production process!







**L A S E R**

## Specification

Model	Titan 1500	Titan 2000	Titan 3000
Laser power	1500w	2000w	3000w
Wavelength	1080 +_ 5 nm		
Laser frequency	50Hz-5KHz		
Adjustable Power Range	10-100%		
Power Consumption	10KW	14KW	16KW
Cooling Method	Water Chiller (Inside)		
Weight	95KG		160KG
Laser source	Max photonics		
Welding head	W		
Warranty	1 YEAR FULL		
Laser Source Warranty	2 YEARS LASER SOURCE W		

Specifications are liable to change without prior notice.

## Applicable Material:

Stainless Steel

Mild Steel

Aluminum

Brass

## Applicable Industry:

Our 4-in-1 Fibre Laser Welding Machine is perfect for many industries and materials like stainless steel, mild steel, aluminium, and brass. It is widely used in making kitchenware, elevators, ovens, doors, windows, furniture, metal cabinets, pipes, automotive parts, lighting fixtures, signage, and machinery parts. This machine provides accurate and reliable results, making it suitable for both small and large-scale production.



We assemble the entire machine at our factory, and you are welcome to visit and inspect the process firsthand.



## Why Choose Us?

### Experience You Can Trust:

With over 15 years of expertise in the industry, we bring extensive knowledge and expertise to every project, ensuring you receive the highest quality products and services.

### Ready Availability:

We maintain a stock of ready-to-use machines at our factory, allowing you to see and experience the machine's capabilities firsthand. You can even bring your own sample and test it on our equipment to fully understand its performance and benefits before making a decision.

Bring Your Sample, Test First

Instant Machine Availability

On-Site Demonstrations for Heavy Materials

### On-Site Demonstrations:

For heavy materials or specific requirements, we offer on-site welding machine demos to showcase the power and precision of our machines in real-world conditions.

### Customer-Centric Service:

We prioritise your needs and work closely with you to offer tailored solutions, ensuring that you get the best machine for your requirements. Our team is always available to assist and guide you through the selection process.

### Ongoing Support:

Beyond the sale, we provide excellent after-sales service, including maintenance, repairs, and easy access to spare parts, making us a long-term partner for all your machine needs.

## KEY COMPONENTS OF OUR 4-IN-1 FIBER LASER WELDING MACHINE



### High-Quality Laser Source

The core of the machine, providing stable and efficient performance with long service life. Equipped with a reliable Max Photonics laser source, offering stable performance for all tasks. Comes with a 2-year warranty for added confidence and durability.



### Advanced Control System

Designed with an easy-to-use, user-friendly interface, allowing precise control and quick adjustments for seamless operation across all functions.



### Welding Head

Fitted with the **RayTools** Welding Head, a top-quality component from an industry-leading company, ensuring high precision, reliability, and excellent performance in all welding applications.





## Cooling System

Our laser welding machine is equipped with a high-quality S&A chiller, a leading brand known for its superior performance and reliability. The built-in water cooling system helps maintain optimal temperatures for efficient operation. Customers only need to change the deionised water monthly, which is readily available in the market, ensuring easy maintenance and long-lasting performance.



## Protective Lenses and Nozzles

High-quality components to protect the machine during operation and ensure clean, accurate outputs.



## Auto Wire Feeder

The Auto Wire Feeder in our laser welding machine ensures precise and automatic feeding of the welding wire, offering seamless operation.



## Flexible Fiber Cable

High-durability fibre optic cable for efficient energy transmission and extended operational flexibility.

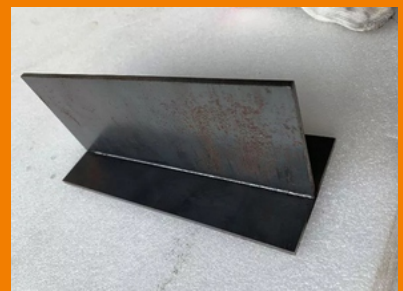






# SAMPLE

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Images are for reference only. Actual products may vary in appearance and specifications.