

New Innovation In Industrial Laser Application



- **Laser Cutting Machine**
- **Laser Welding Machine**
- **Press Brake Machine**
- **Robotics Fiber Laser Cutting Machine**
- **Robotics Fiber Laser Welding Machine**



Compact Single Table Fiber Laser Cutting Machine 1000W-20000W



- ◆ Customized Size
- ◆ Extruded Aviation Aluminum Beam
- ◆ Autofocus Laser Head, Active Collision Prevention
- ◆ Intelligent CNC System
- ◆ EtherCAT Protocol

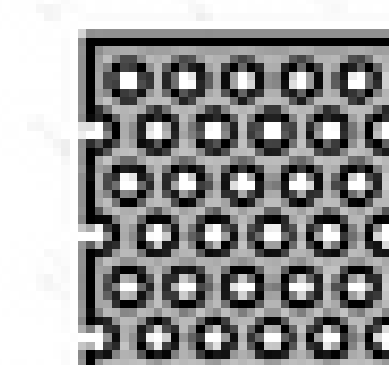
Product Parameters

Model	ML-1530	ML-1540	ML-2040	ML-2065	ML-2565
Working Area	1550x3050mm	1550x4050mm	2050x4050mm	2050x6550mm	2550x6550mm
Max Speed	120m/min	120m/min	120m/min	120m/min	120m/min
Max Acceleration	1.0G	1.0G	1.0G	1.0G	1.0G
Positional Accuracy	±0.03mm	±0.03mm	±0.03mm	±0.03mm	±0.03mm
Re-positional Accuracy	±0.02mm	±0.02mm	±0.02mm	±0.02mm	±0.02mm

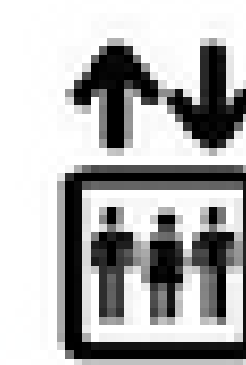
APPLICATION



Steel Furniture



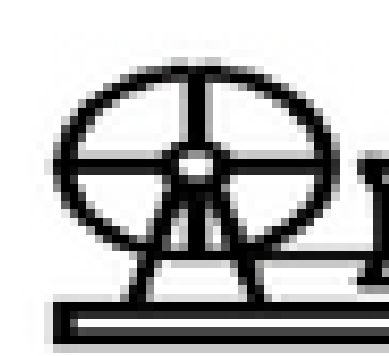
Sheetmetal Work



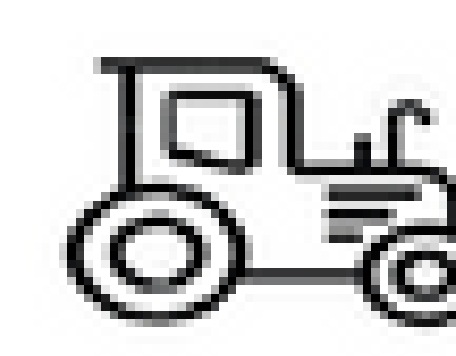
Elevator



Architecture



Textile Machinery



Agriculture



Automotive



Orthopedic Implant



Aerospace

Open Exchange Table Fiber Laser Cutting Machine 1000W-20000W



- ◆ Exchanging Platform
- ◆ Extruded Aviation Aluminum Beam
- ◆ Autofocus Laser Head, Active Collision Prevention
- ◆ Intelligent CNC System
- ◆ EtherCAT Protocol

Product Parameters

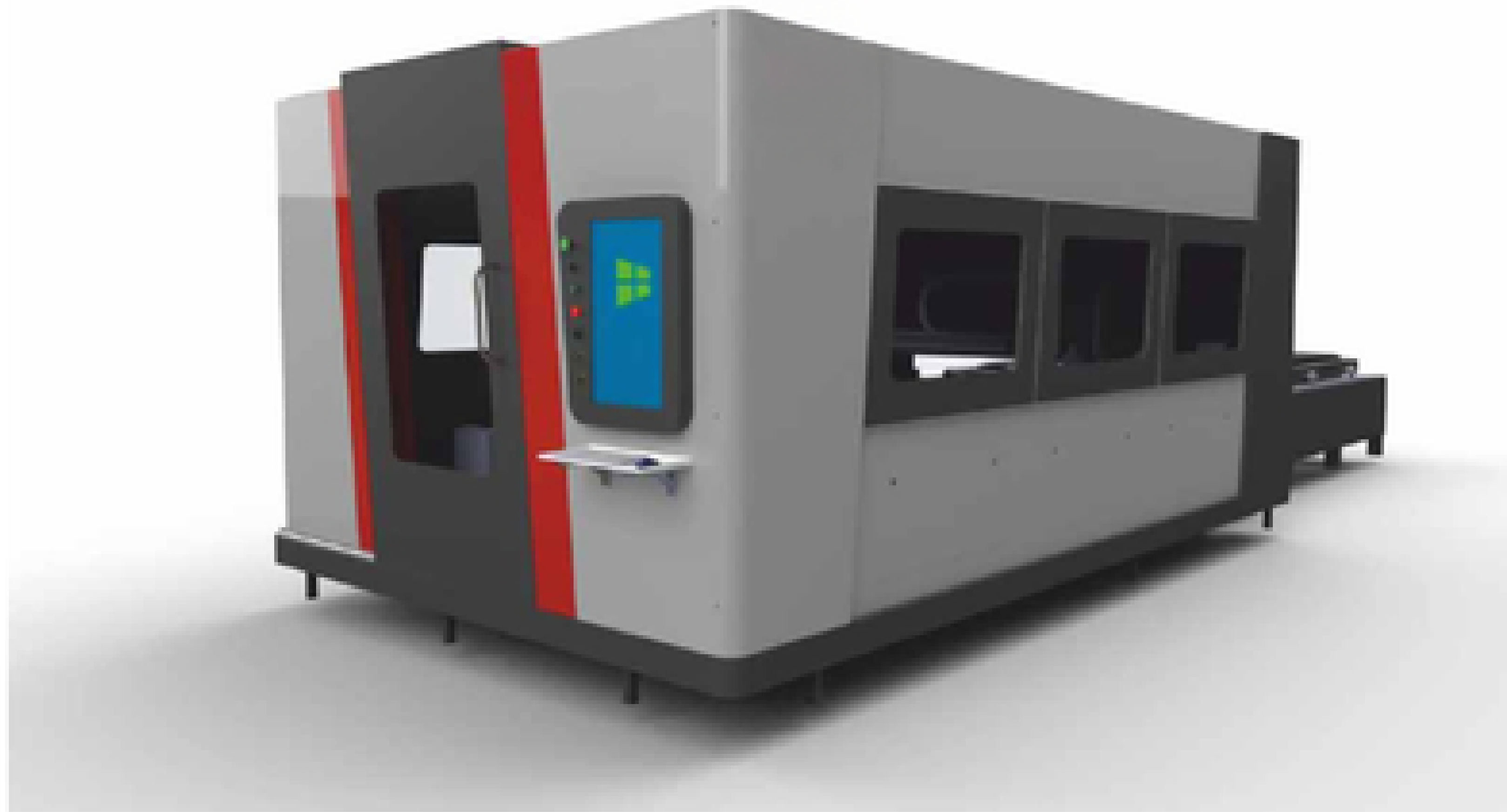
Model	MS-E1530	MS-E2040	MS-E2065	MS-E2565
Working Area	1550x3050mm	2050x4050mm	2050x6550mm	2550x6550mm
Pallet Exchange Time	25S	35s	40s	50s
Max Linkage Speed	120m/min	120m/min	120m/min	120m/min
Max Acceleration	1.0G	1.0G	1.0G	1.0G
Positional Accuracy	±0.03mm	±0.03mm	±0.03mm	±0.03mm
Re-positional Accuracy	±0.02mm	±0.02mm	±0.02mm	±0.02mm

Sample Photo



Closed Exchange Table Fiber Laser Cutting Machine 3000W-20000W

- ◆ Exchanging Platform
- ◆ Extruded Aviation Aluminum Beam
- ◆ Autofocus Laser Head, Active Collision Prevention
- ◆ Intelligent CNC System
- ◆ EtherCAT Protocol



Product Parameters

Model	MT-E1530	MT-E2040	MS-E2065	MS-E2565
Working Area	1550x3050mm	2050x4050mm	2050x6550mm	2550x6550mm
Pallet Exchange Time	25S	35s	40s	45s
Max Linkage Speed	140m/min	140m/min	140m/min	140m/min
Max Acceleration	1.5G	1.5G	1.5G	1.5G
Positional Accuracy	±0.03mm	±0.03mm	±0.03mm	±0.03mm
Re-positional Accuracy	±0.02mm	±0.02mm	±0.02mm	±0.02mm

Sample Photo



High Speed Tube Fiber Laser Cutting Machine 1000W-12000W

- ◆ Intelligent Pneumatic Chucks
- ◆ Strong Machine Bed
- ◆ Cut Multi Types of Tubes
- ◆ Automatic Support Installation
- ◆ Intelligent CNC System

Rotary Specifications Front Chuck

Items	Specification
Model	DR-F220
Spindle Bore	φ225 mm
Inertia	50000 kg*cm ²
Repeatability	±0.05 mm
Rotary Precision	±0.05 mm
Processing range	15-220 mm
Rated Speed	150 rpm
Pipe Section Shape	Square, Round, Rectangle, Angle, L shape and I-beam

Strong Machine Bed

It is welded by thick steel plate, the current mainstream bed structure, high stability; High temperature annealing treatment, less heat absorption, deformation prevention.

Automatic Support Installation

It employs intelligent tube support design which can solve the deformation problems in the process of long tube cutting.



Front Chuck



Product Parameters

Model	MT-T160	MT-T220	MT-T230	MT-T350
Pipe Section Shape	Round/Square Tube/Rectangular/ANGLE/I BEAM	Round/Square Tube/Rectangular/ANGLE/I BEAM	Round/Square Tube/Rectangular/ANGLE/I BEAM	Round/Square Tube/Rectangular/ANGLE/I BEAM
Tube Size Range	Round : $\Phi 16$ - $\Phi 155$ mm Square : $\square 16$ - $\square 155$ mm Rectangular : Long Sides ≤ 155 mm	Round : $\Phi 20$ - $\Phi 220$ mm Square : $\square 20$ - $\square 220$ mm Rectangular : Long Sides ≤ 220 mm	Round : $\Phi 20$ - $\Phi 220$ mm Square : $\square 20$ - $\square 220$ mm Rectangular : Circumcircle $\Phi \leq 220$ mm	Round : $\Phi 20$ - $\Phi 345$ mm Square : $\square 20$ - $\square 240$ mm Rectangular : Circumcircle $\Phi \leq 345$ mm
Maximum Length of Pipe	6.3m	6.3m	6.5m/9.2m	6.5m/9.2m
Maximum Weight of Pipe	100Kg 16Kg/m	200Kg 30Kg/m	200Kg 30Kg/m	500Kg 83Kg/m
Maximum Blanking Length	2m	2m	2m	2m
Shortest Remnant	150mm	150mm	200mm	200mm
Positional Accuracy	± 0.03 mm	± 0.03 mm	± 0.03 mm	± 0.03 mm
Re-positional Accuracy	± 0.02 mm	± 0.02 mm	± 0.02 mm	± 0.02 mm
Chuck Max Speed	80r/min	80r/min	120r/min	120r/min
Max Speed of Chuck Feed Axis	90m/min	90m/min	120r/min	120r/min
Max Speed of Laser Head Axis	90m/min	90m/min	90m/min	90m/min
Max Accelerated Speed of Chuck Feed Axis	1G	1G	1G	1G
Max Accelerated Speed of Laser Head Axis	1G	1G	1G	1G
Max Accelerated Speed of Z Axis	60m/min	60m/min	60m/min	60m/min

Intelligent CNC System //

Specially developed for tube processing. It supports high-precision and high-efficiency cutting of square tubes, round tubes, H shaped-Beam racetrack-shaped and elliptical tubes, as well as angle steel and channel steel.

Cut Multi Types of Tubes //

Not only cut conventional tubes like round, square and rectangular tubes, and profiles like channel, angle and H-shaped steels, also cut special-shaped tubes easily like triangular, concave, Land C-shaped tubes, etc.



Rear Chuck

Single Table Tube & Plate Fiber Laser Cutting Machine 1000W-12000W

ST SERIES



- ◆ One Machine with Two Functions
- ◆ Intelligent CNC System
- ◆ Double Pneumatic Chucks
- ◆ Open Structure, Convenient Loading & Unloading

Rotary Specifications Rear Chuck

Items	Specification
Model	DR-R220
Spindle Bore	φ218 mm
Inertia	6000 kg·cm ²
Repeatability	≤0.1 mm
Rotary Precision	≤0.15 mm
Processing range	0-228 mm
Rated Speed	150 rpm
Pipe Section Shape	Square, Round, Rectangle, Angle, L shape and I-beam

One Machine with Two Functions //

ST series can cut both tube and plate metals, combining a tube laser cutting machine and plate laser cutting machine. Save purchasing costs. One machine with multi-function. Save working space.

Double Pneumatic Chucks //

2~3 times faster than traditional electric chucks. 2 rows of rollers are adopted for a wide range of clamping and high cutting precision. Dual support frame for 6m tube Φ20-220mm □ 20-150mm Diagonal: 20-150mm Channel & angle steel available.



Product Parameters

Model	MST-T160	MST-T220	MST-T230	MST-T350
Working Area	1550×3050mm	2050×4050mm	2050×6550mm	2550×6550mm
Max Linkage Speed	120m/min	120m/min	120m/min	120m/min
Max Acceleration	1.0G	1.0G	1.0G	1.0G
Positional Accuracy	+0.03mm	+0.03mm	+0.03mm	+0.03mm
Re-positional Accuracy	+0.02mm	+0.02mm	+0.02mm	+0.02mm
Pipe Section Shape	Round/Square Tube/Rectangular	Round/Square Tube/Rectangular	Round/Square Tube/Rectangular	Round/Square Tube/Rectangular/
Tube Size Range	T160 : Round : Φ16- Φ155mm Square : □16- □155mm Rectangular : Long Side≤155mm T220 : Φ20- Φ220mm Square : □20- □220mm Rectangular : Long Side≤220mm	T160 : Round : Φ16- Φ155mm Square : □16- □155mm Rectangular : Long Side≤155mm T220 : Φ20- Φ220mm Square : □20- □220mm Rectangular : Long Side≤220mm	T160 : Round : Φ16- Φ155mm Square : □16- □155mm Rectangular : Long Side≤155mm T220 : Φ20- Φ220mm Square : □20- □220mm Rectangular : Long Side≤220mm	T160 : Round : Φ16- Φ155mm Square : □16- □155mm Rectangular : Long Side≤155mm T220 : Φ20- Φ220mm Square : □20- □220mm Rectangular : Long Side≤220mm

Intelligent CNC System //

It support multiple graphic files include DXF, PLT,DWG, AI, G-code, IGS (tube cutting). It is compatible with other nesting software also. Support multi-brand nesting software One-key switch between tube cutting & plate cutting Multi language support Auxiliary gas low pressure & cutting error alarm Safety warning light.

Open Structure, Convenient Loading & Unloading //

Saving Space Tube cutting and plate cutting combined in one machine. Not only help user save purchasing cost 30%~50%, but also save 50% working space.

Handheld Fiber Laser Welding Machine 1000W-3000W

MACHINE FEATURES

- ♦ 3 in 1 Function (Welding Cleaning & Cutting)
- ♦ Double Wire Feeder
- ♦ Wobbling head
- ♦ Fiber laser source
- ♦ Auto pulse adjustments
- ♦ Pulse & CW options

SPECIFICATION

Power	1kw/1.5kw/2kw
Laser Type	Fiber Laser
Max Output Energy	1kw/1.5kw/2kw
Max Output Energy	1080nm
Modulation Frequency	1-20 khz
Red Light Indicates Output Power	0.5-1
Fiber Cable Length	10m
Fiber Core Diameter	50um
Total Power Consumption	7.5kw(1kw laser source) 8.5kw(1.5kw laser source) 10kw(2kw laser source)
Rated Power	220 V AC 50Hz(1kw/1.5kw) 380 V AC 50Hz(2kw)
Cooling Method	Water Cooling
Gross Weight	270 kg
Machine Dimension (L*W*H)	625*1090*1746 mm

SAMPLE PHOTOS



Handheld Laser Cleaning Machine 1000W-2000W

Product Parameters

Model	Msclean
Working Area	300 mm
Power range	1500W-2000W
Cooling method	Water-cooled
Working mode	Continuous/modulated
Functional uses	Cleaning
Fiber length	Standard 10 m fiber length



Cleaning Samples



Handheld Cleaning Head

It has a lightweight and ergonomic design that can meet various cleaning needs. It features metal safety sensors and automatic light locking during movement, ensuring safe and easy operation.



MT-R1800

Robotic Laser Solutions - Cutting And Welding 1000W-6000W



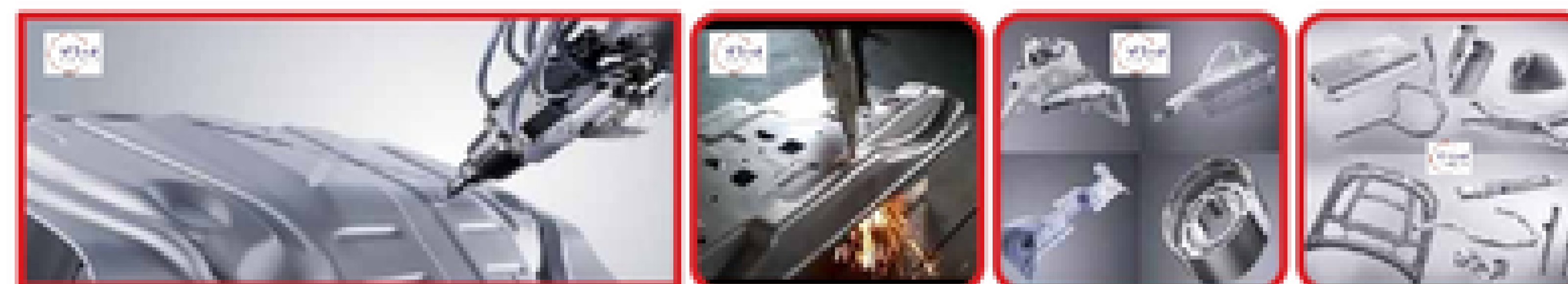
- ♦ 3D Multi-axis Intelligent
- ♦ Laser Cutting Equipment
- ♦ Single Robot Arm Structure, 360° Cutting, No Dead Angle
- ♦ Convenient Windows-based Operation System
- ♦ Easy Processing of Arbitrary Curves and Specific Curves in 3D Space
- ♦ The Industrial Robots and Laser Technology Combination

Product Parameters

Machine Model	MT-R1800
Laser power	1000W-6000W
Dimensions	1400*1600*1800 MM
Working area 1800mm	1800mm
Repeat positioning accuracy±0.05mm	±0.05mm
Max speed	30m/min
Max acceleration	0.2G
Voltage and frequency	380V 50Hz/60HZ

3D Multi-axis Intelligent Laser Cutting Equipment

The equipment consists of a fiber laser cutting head, a high-precision capacitive tracking system, and a fiber laser with industrial robot system composition Multi-angle and multi-directional flexible cutting of metal sheets of different thicknesses, which are mostly used in metal processing, machinery manufacturing and auto parts manufacturing, etc., which have processing requirements for 3D workpieces.





ROBOTIC LASER SOLUTIONS - CUTTING AND WELDING

The Number Of Axis Of The Robot	6	Sixth Axis load	25Kg
Robotic Crane	1.45m	Repeated position	0.05mm
Weight	380Kg	Voltage	200-600V,50/60Hz
Power Consumption	0.58Kw	rated power	4KVA/7.8KV

Yaskawa AR1730 Robot gantry cutting and Welding machine technical parameters

The overall parameters of the equipment

Floor space(m)	5*3 M		
Worktable height	4000mm	Noise	<65 Db(not including exhaust fan)
Power supply requirements	AC480V±5% 50HZ	Total power	10 KW
Environmental requirements	Temperature range: 10-35 C Humidity range: 40-85% 1000 meters below sea evel, the use of the environment without flammable, explosive, strong magnetic, strong earthquake		

The main parameters of the laser source

Laser type	Fiber laser		
Lasers work	Continuous / modulation	Laser power	(1000w 2000 w 3000w option)
Spot mode	Single mode	Laser wavelength	1070nm

Auxiliary system

Cooling system	Dual-temperature dual-pump pump with purification system chiller (unique configuration)		
Laser source cooling system	air conditioning (unique configuration)		
Auxiliary gas system	Three gas source dual-pressure gas (unique configuration)		
Laser cutting head	Capacitive follow-up focus		



PS Laser Technologies

Precision in Every Cut, Strength in Every Weld!

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Services:

- Laser Welding Machine.
- Laser Cutting Machine.
- Press Brake Machine.
- Laser Spare Parts & Consumables

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