

3D ROBOT Fiber Laser Welding Machine



3D ROBOT fiber laser welding machine LMR-RC750W

3D robot fiber laser welding machine, the arm length can reach to 1800mm * 3200mm. It is the preferred model in the metal material welding and processing industry. The machine can weld all kinds of metal. Off-line programming software and weld seam tracking system can be selected according to customer requirements, greatly improving work efficiency.

Feature :

- 1, High welding precision and quality;
 - 2, The production efficiency is high, the working environment is improved, and the product cycle is controllable;
 - 3, The utility model has the advantages of low energy consumption, low cost and simple and convenient maintenance;
- Fiber laser with stable performance.

Detailed Images



Product Features

LMR three-dimensional multi-axis intelligent laser welding equipment is composed of special optical fiber laser head, high precision capacitive tracking system, optical fiber laser and industrial robot system. It is an advanced equipment for flexible welding of metal sheets with different thicknesses from multiple angles and directions. LMR three-dimensional multi-axis intelligent laser cutting equipment is widely used in metal processing, mechanical manufacturing and automotive parts manufacturing, which have processing requirements for three-dimensional workpieces.

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FANUC ROBOT M - 20iA

is a cable-built multifunctional 6-axis ROBOT with the highest performance in its series. The high strength arm and the first end servo technology can effectively improve the speed and acceleration performance. It will reduce more than 15% operation time, achieving the highest production capacity in the industry.

Technical Parameters

Model	3D ROBOT FIBER LASER WELDING MACHINE
X/Y Arm Length	1800x3200mm.
Laser Power	750w/1000w/1500w/2000w/3000w
Maximum Speed	200m/min
Repeated positioning Accuracy	± 0.08mm
External maximum working radius	1070mm
Inner minimum working radius	317mm
Load quality	Shaft 6 maximum load 12kg
Control System Brand	CYPCUT
BODY AND CONTROL CABINET	FANUC M-20iA
Machine weight	130 kg
Installation	Vertical / Suspension

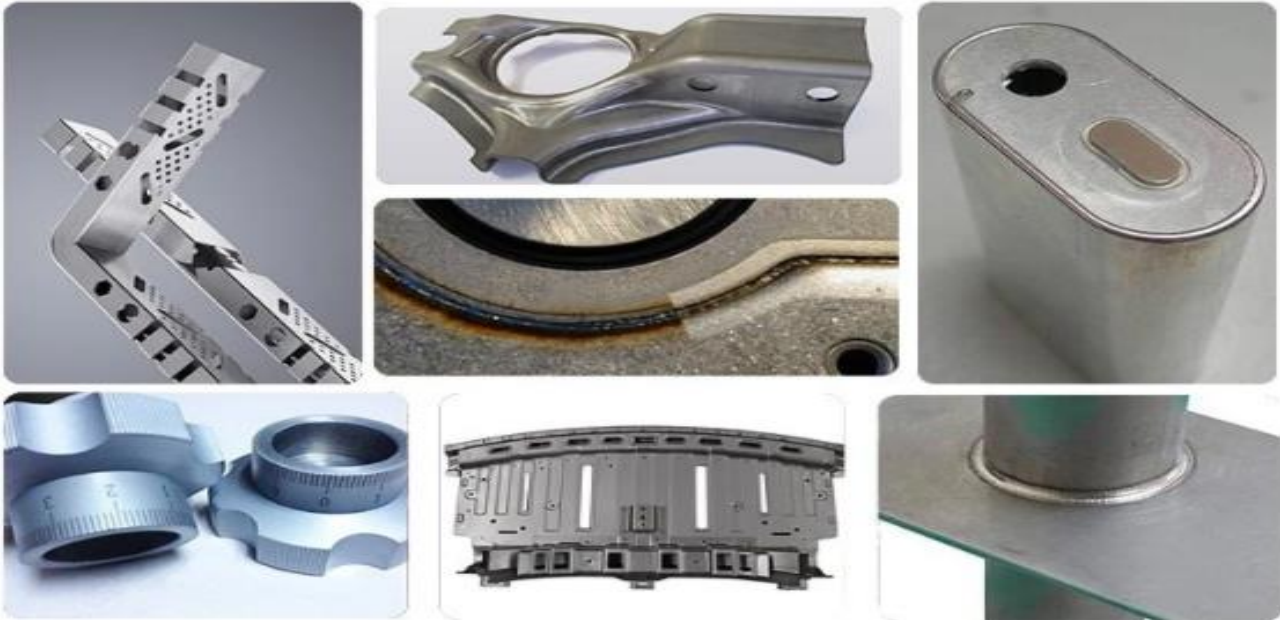
Quick Details

Brand Name	SENFENG
Place of Origin	CHINA
Application	Laser Welding
Graphic Format Supported	AI,BMP,DST,DXF,PLT
Laser Head Brand	RAYTOOLS,SENFENG
Laser Source Brand	RAYCUS,IPG
Cooling Model	Water Cooling
Auxilliary Gas for Cutting	Oxygen (O2) / Nitrogen (N2)
Working Voltage	AC380V./50Hz. or 60Hz.
Warranty	2 YEARS

Application & Capability

Use sheet metal material and round-square tube metal.

Special machine used for Carbon steel , Stainless steel, alloy, aluminum, brass, copper, galvanized steel, silicon steel sheet, electrolyte sheet, titanium alloy, manganese alloy and other metals.



Related industries

3D robot laser welding machine is used in manufacturing industry, metallurgy industry, automobile industry, electronic industry, biomedicine, household appliances manufacturing, processing tools, IT manufacturing, food machinery, diamond tools, welding, welding gear, surface treatment of metal materials, decorative. advertising, laser processing services and other processing machinery manufacturing industry.





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