



Handweld“W”series

W15/W20/W30

THREE-IN-ONE LASER HANDHELD WELDING MACHINE

The handheld fiber laserwelding machine consists of an integrated cabinet, fiber laser, cooling water circulation system,laser control system and handheld welding head. Hand- held welding machine equipped with wire feeder can tolerate larger assembly gaps and errors, and improve work efficiency and weld strength.



COMPANY PROFILE

Wuhan Golden Laser Co. Ltd.was established in 2005 and listed on the Shenzhen Stock Market in 2011. It is a digital technology commercial application solution provider.

Golden Laser has made significant growth in the fields of metal sheet cutting, tube cutting, and laser welding. The sheet cutting series include fully enclosed exchange table series, sheet and tube Combo series, open table cutting series,and precision small-format cutting series. The tube series include automatic tube cutting series and semi-automatic tube cutting series.

Golden Laser has achieved a huge response worldwide, and its equipment is exported to more than 120 countries and regions on 5 continents.It has signed agency cooperation agreements with more than 50 countries including the United States, Germany, Britain, France, South Korea,India, Australia, South Africa, Hungary, Mexico,Colombia, Russia, and Spain.

Now, Golden Laseris becoming the vanguard of subvertingtraditional crafts with the strength oficebreaker. GoldenLaser, always on the way!

Configuration And Parameters

Type	W15	W20	W30
Laser power	1500W	2000W	3000W
Laser mode	Continuous\Pulse		
Laser wavelength	1064nm		
Beam quality	M2<1.2	M2<1.5	M2<1.5
Laser swing range	0-5mm		
Output power stability	±2%		
Power requirements	220V±10% single phase		AC380V 50/60Hz
Whole power consumption	≤9KW	≤12KW	≤15KW
Cooling system	Customized industrial-grade dual-temperature dual-control chiller		
Fiber cable length	10M customized		
Working environment temperature range	15~35°C		
Working environment humidity	< 70% without condensation		
Welding thickness	MAX3mm	MAX5mm	MAX8mm
Suitable materials	Stainless steel, carbon steel, aluminum, galvanized sheet, copper,etc.		
Welding seam requiremets	< 0.2mm		
Welding speed	0~120mm/s		

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THREE-DIMENSIONAL ROBOT SERIES



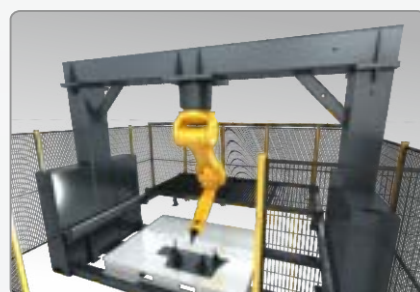
Metal Fabrication Laser Solution Provider
Laser Tube | Sheet Metal | Automation | Laser Robot

Laser Robot “R”series

RN16/RN18/RN26

3D robot fiber laser cutting machine

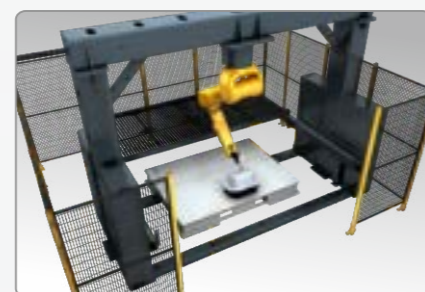
Equipment Details



Realize a wide range of flexible processing, a variety of protection options, can be isolate the robot working area to ensure the safety of workers.



A variety of installation methods such as formal/inverted/angle to meet the needs of different customers.



3D and 2D application, optional gantry can be equipped with a 2-D cutting platform, can achieve 3-D cutting and plate cutting functions on the same equipment.



Applications

Automotive sheet metal,shaped tube and parts, internal high-pressure tubes, thermoformed tubes, household appliances and bathroom, advertising lighting.

Laser Robot “R”series

RE16/RE18/RE26

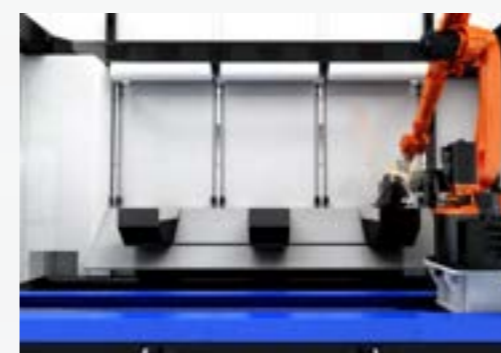
3D robot fiber laser cutting machine

Product Features

- ✓ Enclosed structure to prevent leakage of harmful substances during processing.
- ✓ Equipped with built-in air duct, can purify the internal environment of the equipment through external dust collector.
- ✓ Isolate the working area of the operator and the mechanical equipment to avoid mechanical damage during the operation.
- ✓ Automatic operation of the whole machine, easy training the operator.
- ✓ Equipped with floor rails to extend the robot's range of motion.
- ✓ Equipped with a waste conveyor, the waste generated during the cutting process can be automatically transported to the designated frame.



Equipment Details



Laser Robot “R”series

RV16/RV18/RV26

3D robot fiber laser cutting / welding machine



Application Industry

Applicable to processing automotive sheet metal, special-shaped tubes, internal high-pressure tubes, thermoformed tubes, rail transportation, fitness equipment, home appliances and sanitary ware, advertising lighting, musical instrument crafts, and special-shaped parts.

Suitable Materials

Mild steel, stainless steel,aluminium, GI sheet...

Applications

Automobile field, kitchenware and bathroom, medical equipment, electronic components, etc.

Product Details

- ✓ Advanced high-precision robots have a wide range of motion, low failure rate and easy maintenance.
- ✓ The flexible processing system adopts PLC control to facilitate the management of multiple processing procedures and fixtures.
- ✓ The equipment is equipped with bus communication options and equipped with gas pressure sensors to avoid rapid damage to consumables.
- ✓ Optional walking axis, gantry, base or positioner to expand the processing range of a single robot.
- ✓ It can be equipped with standard/swing/galvanometer welding head, welding seam tracking/detection system, wire feeder, coaxial/paraxial air blowing, etc.
- ✓ Laser welding speed is 5- 10 times faster than traditional welding machine.

