

R1800W

3D ROBOT FIBER LASER WELDING MACHINE

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.

Configuration And Parameters

| | | | | | |
|---------------------|-----------------------------|-----------------------------|-------------|-----------------------------|-----------------------------|
| Robot brand | FANUC | FANUC | YASKAWA | ABB | KUKA |
| Type | R2000iC | M20iB | Gp25 | IRB2600 | KR20 R1810 |
| Loader | 165kg | 25kg | 25kg | 12kg | 20kg |
| Working ridaus | 2655mm | 1850mm | 1730mm | 1850mm | 1810mm |
| Installation type | Formal, upside- down, angle | Formal, upside- down, angle | Formal | Formal, upside- down, angle | Formal, upside- down, angle |
| Processing accuracy | ±0.2mm | ±0.15mm | ±0.1mm | ±0.2mm | ±0.2mm |
| Repeatability | ±0.05mm | ±0.02mm | ±0.02mm | ±0.04mm | ±0.04mm |
| Laser power | 1000W- 2000W | 1000W- 6000W | 1000W-6000W | 1000W- 3000W | 1000W- 6000W |

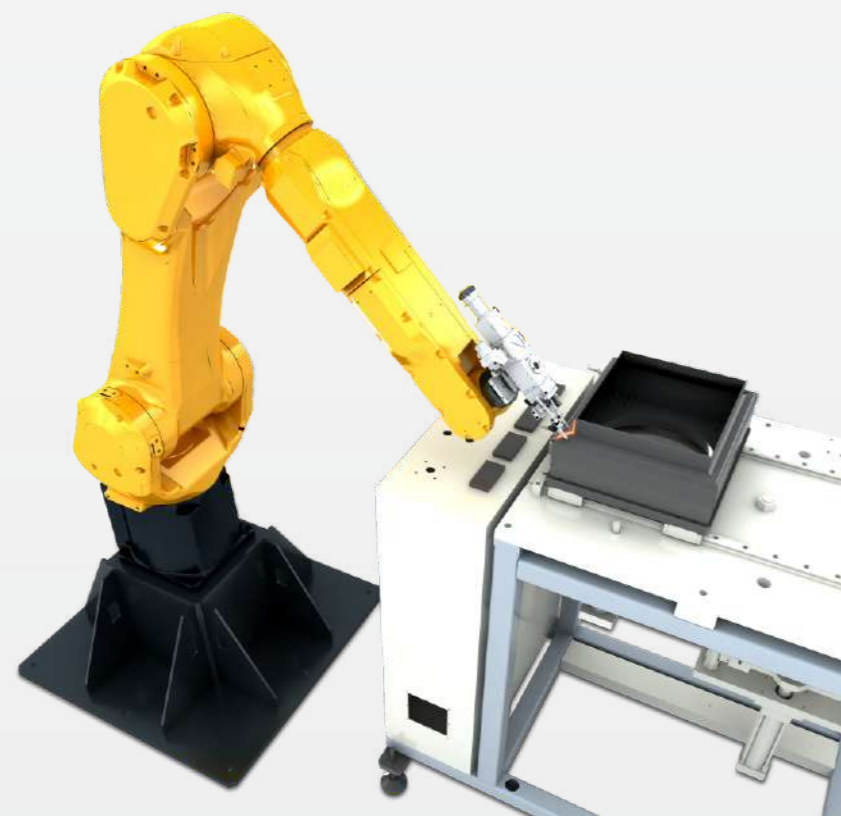
walking axis, positioner, offline programme software, protective fence, gantry, dust collector, swing head, vibrating lens, etc.

Suitable Materials

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

Applications

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



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, Taiwan, Hungary, Mexico, Colombia, Russia, and Spain.

Now, Golden Laser is becoming the vanguard of subverting traditional crafts with the strength of icebreaker. Golden Laser, always on the way!



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THREE-DIMENSIONAL ROBOT SERIES



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

R1800C

3D ROBOT FIBER LASER CUTTING MACHINE

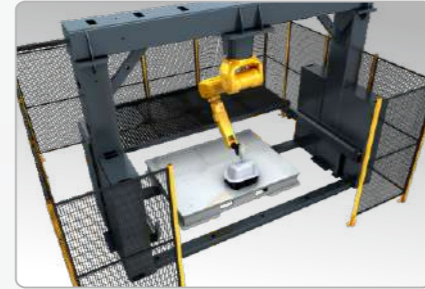
Equipment Details



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.



R1800-2000

ENCLOSED MULTI-STATION 3D ROBOT LASER CUTTING MACHINE

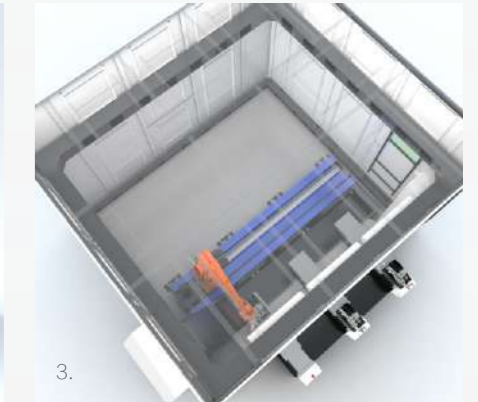
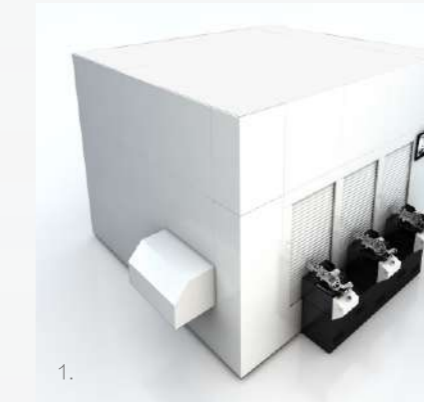
Product Features

- ✓ 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.



Three Views

1.Left view 2.Right view 3.Top view



Equipment Details

