

**IGOLDENLASER**

**iGR-L Series**  
**Plate laser cutting machine**



Shandong iGolden CNC Technology Co.,Ltd.

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## ● Product Details



- ✓ iGR-L series laser cutting machine is a new generation of safe, efficient, energy-saving entry-level sheet metal laser cutting equipment, using heavy welding bed, steel beam, equipped with imported high-precision double drive rack and rack and linear guide rail and other efficient transmission system, combined with advanced control system, assembled into a precision CNC fiber laser cutting machine, cost-effective, high precision, full function. Easy to use.
- ✓ Laser power 1500W; Optional countertop 3015/4015;
- ✓ Support customization

**Plate laser cutting machine**

<b>Seller</b>	<b>Company Name:</b> Shandong iGolden CNC Technology Co.,Ltd. <b>Company Address:</b> 5th Floor, Building 2-2, Enterprise Park, East 8, Tangye Middle Road, Licheng District, Jinan City, Shandong Province, China <b>Whatsapp:</b> <b>Mobile:</b> <b>Contact Person:</b> <b>Email Address:</b>
<b>Model</b>	iGR-L
<b>Type</b>	Fiber
<b>Price</b>	
<b>Day of delivery</b>	

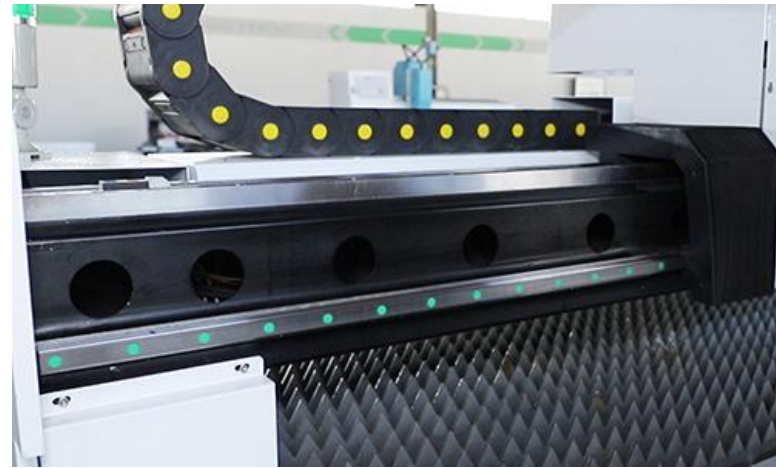
**● Product Parameter**

Index	Parameter
Model	iGR-L3015
Table	3050*1500mm
X-axis travel	1500mm
Y-axis travel	3050mm
Z-axis travel	300mm
X/Y axis positioning accuracy	±0.05mm
X/Y axis repeated positioning accuracy	±0.02mm
X/Y axis max. moving speed	45m/min
Max. acceleration	0.5G
Weight	950kg
Voltage	380V/50-60Hz

## ● Product Configuration

Name	Quantity	Manufacturer/Brand
Laser	1	MAX
Cutting head	1	RAYTOOLS
Bed	1	Pipe welded bed
Beam	1	Steel beam
Rack	1	YYC
Guide rail	1	TAIWAN HIWIN
Reduction	1	SHIMPO
Control cabinet	1	iGOLDENLASER
servo motor	1	LEAD-MOTION
Control system	1	RAYTOOLS
Water chiller	1	S&A/Hanli

## ● Allocation Advantage



### Steel beam

- ✓ High quality carbon steel, anti-corrosion treatment, annealing stress treatment, long-term use without deformation;
- ✓ Higher precision, strict control of production standards, smooth appearance without burrs;
- ✓ Extend the service life of the laser cutting machine, so that the laser cutting machine can run for a long time with high precision.



### Autofocus laser cutting head

- ✓ Auto focus, without manual adjustment, the focus speed is increased by 10 times, and the repeatability is 50 microns.
- ✓ Multi-level perforation, supports continuous focusing, and completes automatic cutting of plates of different thicknesses and materials.
- ✓



## Intelligent control system

- ✓ For thin plate cutting, the cutting process can be carried out on the edge of the thin plate, which can suppress vibration and improve the cutting effect.
- ✓ Automatic edge patrol, full tracking compensation, avoid waste of raw materials, and ensure cutting accuracy and quality.
- ✓ One-key processing, batch processing can be set to realize batch processing and improve processing efficiency.
- ✓ Optimize the path, and easily realize functions such as continuous cutting from breakpoints, flying cutting, and leapfrog cutting.



## Max Laser

- ✓ High beam quality
- ✓ High power, high efficiency
- ✓ High reliability and long service life
- ✓ Extended programming interface



### Taiwan HIWIN rail

- ✓ Adopts Taiwan silver guide rail to improve load and rigidity; With load characteristics, and automatic aligning function, can absorb the mounting surface assembly error, get high precision demands. High speed, high load, high rigidity, reliable quality, long life.



### YYC rack

- ✓ Accurate pitch arc, smooth tooth surface, more stable movement, reduce impact, vibration and noise.
- ✓ Transmission without delay, not easy to skip teeth, suitable for high torsion transmission.





## **LEAD-MOTION motor**

- ✓ Industry excellent quality, better performance, faster response frequency;
- ✓ Ensure a quiet environment with low decibels and achieve operation without affecting the surrounding area.



## **Hanli chiller**

- ✓ Specially developed for fiber laser, compatible with various brands of laser;
- ✓ A full range of environmental refrigerant, export worry-free;
- ✓ Stable and reliable performance, low failure rate, energy saving.

## ● Product Feature

### > Automatic lubrication system

Regularly and quantitatively provide lubricating oil for the equipment to ensure the high-speed operation of the laser cutting machine, with abnormal alarm and liquid level alarm functions. This system greatly improves the cutting accuracy and effectively prolongs the service life of the transmission mechanism.

### > Grating protection system

The warning barrier is automatically activated during the operation of the equipment. When people and objects enter the grating barrier, a signal is sent to stop the operation of the equipment to avoid personal injury and ensure safe production.

### > Intelligent alarm system

Intelligent stroke protection, automatic monitoring of the operating range, installation of international machine tool standard limit springs, automatic alarms for equipment abnormalities, and push to the operation interface through the control center, reducing potential safety hazards and maintenance costs.

## 让金属切割更简单




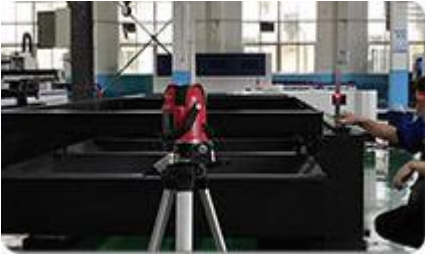



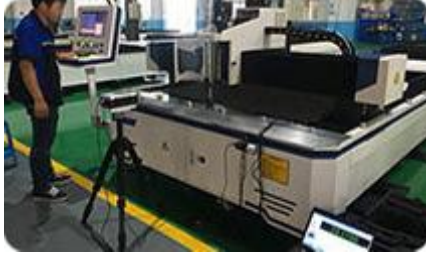

IGOLDENLASER, Make Metal Cutting Easier

**Multi-industry applications:** sheet metal industry, machinery industry, automotive industry, aerospace, cabinet industry, hardware industry, home appliance industry, doors and Windows industry, construction industry, mechanical and electrical industry, furniture industry.

**Multi-material application:** stainless steel, carbon steel, galvanized plate, electrolytic plate, aluminum, titanium, alloy, brass, copper, iron and other rare metal plate.

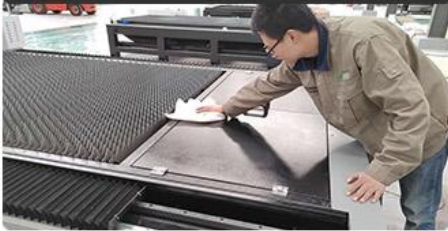


## QUALITY TESTING

		
<b>1.Welded basic bed</b>	<b>2.High-temperature quenching of the bed</b>	<b>3.Milling through the center of the gantry</b>
		
<b>4.Check the overall level of the machine</b>	<b>5. Strict testing</b>	<b>6. Precision inspection of rack and components</b>
		
<b>7. Precision control test</b>	<b>8. Secondary calibration of laser interferometer</b>	<b>9.72 hours of strict testing factory</b>

**PACK AND SHIP**

**01** Cleaning machine



**02** Apply lubricating oil



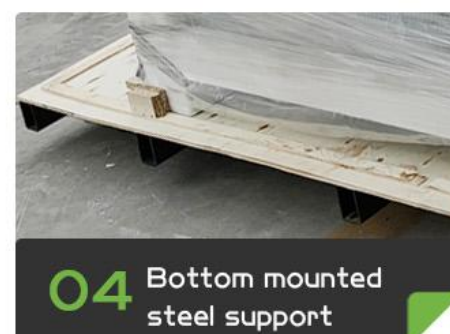
**03** Anti-Shock Foam  
Multilayer Protection



**06** Loading truck  
transport



**05** Wooden box  
packing



**04** Bottom mounted  
steel support

## OUR ADVANTAGES



IGOLDEN integrates R&D, production, sales and after-sales.  
We always provide customers with high quality products, competitive prices, excellent service.

### **2-year warranty**

IGOLDEN Group provides 2-year warranty and life-long after-sales service for the equipment produced by our company.

### **Free training**

IGOLDEN Group insists on providing customers with free one-on-one operation training for each machine sold.

### **Parts technical assistance**

Once the customer has a need to replace the parts, we will quickly arrange the delivery and assist through.

### **Customization**

When you need a specially designed, customized or OEM machine, please contact us immediately.







