

1. Introduction



SF3015A fiber laser cutter reaches the top level in China, which is customers' best choice in metal industry. The bed is honeycomb carbon structure, using heat annealing treatment. Aluminum cast beam, and the thickness of the bed steel plate reaches 12 mm. The whole bed is welded, which has high strength and stability. The running speed of the machine can reach 100 m/min.

1. Technical Parameters

| | |
|-------------------------------|------------------|
| Model | RT1530A3 |
| Working size | 3000mm*1500mm |
| X-axis travel | 1500mm |
| Y-axis travel | 3000mm |
| Z-axis travel | 220mm |
| Laser power | 1000-4000w |
| X/Y Axis positioning accuracy | ±0.05mm/m |
| X/Y Axis repeated positioning | ±0.02mm |
| Maximum velocity of movement | 100m/min |
| Machine weight | About 5700KG |
| Outline size | 8200*2690*2100mm |

Characteristics

Pipe Welding Bed
High temperature annealing
to reduce internal stress and
deformation





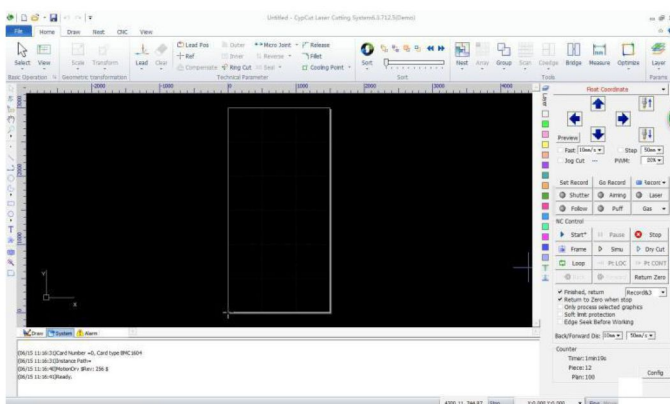
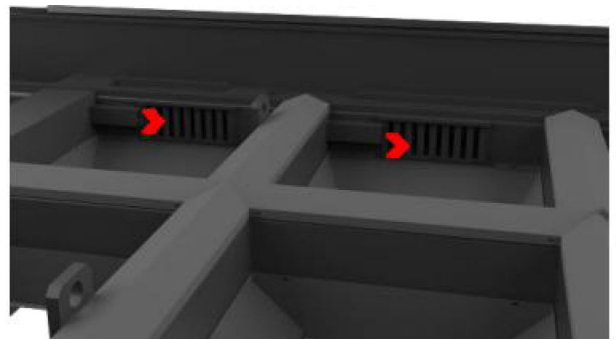
Stable Beam

Integral die-casting beam, high precision, not easy to deform, long life

The appearance of laser head cover is beautiful, which is helpful for observing red light and cooling, cleaning dust, avoiding long-term high temperature and damaging internal devices.



Purging System Push-pull partition smoke, combined with upper and lower exhaust



SF3015A laser cutting machine adopts CypCut control system , having Intelligent diagnosis, multi-threading operation, three-stage perforations, functional control laser ,self-adaptive edge-finding, automatic corner deceleration, flight cutting, switching table, mechanical accuracy compensation, etc.

Application & Capability

1.Cutting materials: carbon steel, stainless steel, aluminum alloy, brass, copper, galvanized steel, silicon steel plate, electrolytic plate, titanium alloy, manganese alloy;

2.Cutting range: 0.5-12mm carbon steel, 0.5-5mm stainless steel, 0.5-3mm aluminum alloy, 0.5-3mm brass;



3.Applied industries: rail transit, automobile, machinery, electrical manufacturing, elevator manufacturing, household appliances, kitchen and sanitary ware, advertising, and other machinery manufacturing and processing industries.



Configuration

| Configuration list | |
|---------------------|----------------------------------|
| Model | RT1530A3 |
| Laser device | Raycus/IPG 1000-4000w |
| Laser head | Raytools |
| Controlling system | CypCut |
| Machinery | LAPPING/SENFENG LMN/ MOTOREDUCER |
| Motor and driver | SCHNEIDER |
| Linear guide | THK |
| Reducer | MOTOREDUCER |
| Cutting bed | RT1530A3 |
| Water cooling | Specialized |
| Dust exhausting fan | Specialized |
| Document | Operating |

Cutting Parameters

| Material | Thickness (MM) | Cutting speed (m/min) | Gas |
|-----------------|----------------|-----------------------|-----|
| Stainless steel | 1 | 18-20 | N2 |
| | 2 | 6.0-8.0 | N2 |
| | 3 | 2.5-3.2 | N2 |
| | 4 | 1.5-2.0 | N2 |
| | 5 | 0.6-0.8 | N2 |
| Carbon steel | 1 | 15-18 | O2 |
| | 2 | 5.0-7.0 | O2 |
| | 3 | 3.5-4.0 | O2 |
| | 4 | 2.0-3.5 | O2 |
| | 5 | 1.8-2.5 | O2 |
| | 6 | 1.5-2.2 | O2 |
| | 8 | 1.0-1.5 | O2 |
| | 10 | 0.8-1.0 | O2 |
| | 12 | 0.6 | O2 |
| Brass | 1 | 10.0-12.0 | N2 |
| | 2 | 4.5-5.0 | N2 |
| | 3 | 1.0-1.2 | N2 |
| Aluminum | 1 | 13-17 | N2 |
| | 2 | 4.8-5.2 | N2 |
| | 3 | 1.2-1.8 | N2 |

Products

3D Robot



3D Robot Laser Automation System



3D Laser Cutting and Welding



Arm 3D Robot

Plate and Tube Cutter



Intelligent Laser Equipment



Automatic Laser Cutting Production Line



Plate and

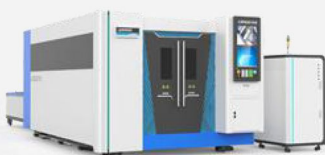
Laser Cleaner



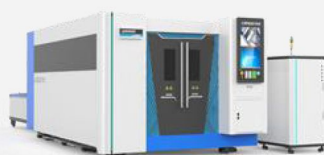
Open Type

Precision Laser Cutter

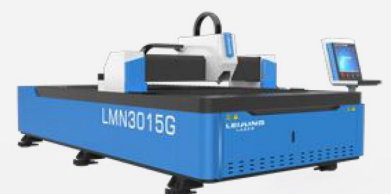
Laser Cutting Machine



Ultra-High Power Laser Cutter



High Power Laser Cutter



Laser Cutter

SENFENG LEIMING LASER is specialized in high-power laser cutting, welding, robotic automation production line, and has become the main brand in the field of high-power laser processing equipment manufacturing in China.

LP Workshop



120,000+ square meters