

Fiber Laser Scribing Machine

(Model:PE-20W/PE-50W)



1.

Fiber Laser has stronger adaptability to the environment

2.

Higher conversion efficiency, lower running cost, smaller equipment volume

3.

The laser pulse width are more narrow, higher peak power, faster scribing speed;

4.

ouch screen operation, serve motor driving

1. Perfect Laser produced a new generation of laser scribing machine PE-20W / 50W material mainly used for metal and silicon, germanium, gallium arsenide and other semiconductor material substrate scribing and cutting, machinable solar panels, silicon, ceramic , aluminum foil, etc., Artifacts refinement and blazonry, trimming smooth.
2. Adopting fiber laser source as work light source, The two-dimensional work table is controlled by computer, and could do kinds of movement according to what graphics be input in.
3. High output power, high precision scribing, fast speed and could cut curve and straight line graph.



1. Software upgrade: support the arc interpolation, circular arc cutting more smoothly;
2. The machine upgrade: covers an area of space smaller after modification, operating more accord with human body engineering;
3. Refactoring workbench processing part, open-type workbench processing area, up-down material more convenient. Removed spare parts from the workbench tablet, higher precision and not easy to deformation.
4. Improvement the screw parts: screw lead increased, so as to expedite the processing speed, guarantee machining accuracy;
5. Direct plug-in light path design, higher machining precision, better effect ;
6. Serve motor modification: run more smoothly, smaller cutting noise, more humanized design;
7. Authoritarian flat dust removal device, The processing effect is better;
8. Improved the laser signal control section, software runs more stable and fast.

- 1** The core parts adopt imported brand;
- 2** Fiber Laser has stronger adaptability to the environment;
- 3** Better beam quality (basic modeTEM000) , thinner kerf width, more smooth edges;
- 4** Higher conversion efficiency, lower running cost, smaller equipment volume (air cooling);
- 5** The laser pulse width are more narrow, higher peak power, faster scribing speed;
- 6** Battery Cell automatic adsorption ,don' t need pedal;
- 7** For a long time continuous operation without maintenance, no consumable parts replacement;
- 8** Software upgrade to version 5.0,parameters of concentrated control, software configurations save;
- 9** Touch screen operation, serve motor driving(optional).



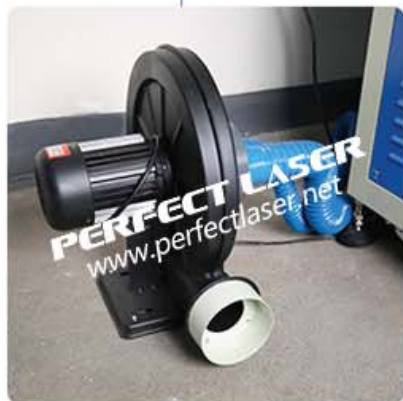
Packing and Shipping

Model	L*W*H	Weight
Fiber Laser Scribing Machine	83*96*188cm	200Kgs
	53*48*63cm	

Cutting Head



Cutting Head and Workbench



Air Blower



Foot Pedal

Model specification	PE-20W/PE-50W
Laser wavelength	1064nm
Laser power	20W/50W
Scribing line width	PERFECT LASER <i>www.perfectlaser.net</i> 50um
Scribing speed	240mm/s
Scribing precision	±10um
Workbench wide	200×200mm
Temperature control precision	0.5°C
Working power supply	220V/50Hz/1.5KVA
Workbench	Cell automatic adsorption, dust removal
Cooling way	Air cooling

1.

Cutting Head



2.

Control Panel

red, green and yellow warning light,
simple tips equipment working condition



3.

Cutting Head and Workbench

primary operator control station, humanized design, succinct and clear, easy operation



4.

Electric Shift Platform



5. Vacuum Adsorption Workbench

adopt international advanced vacuum adsorption technology



6. Gas Spring



7. *Foot Pedal*



8. *Plug*



9. *Run Switch*





10. Air Blower

It Used to Adsorp and Remove Dust on the Work Table



11. Software Interface

specialized control software, friendly interface, simple programming and trajectory real-time display

- * 12 Months Guarantee
- * 10-20 Days Lead Time
- * VCD Training , Easy Installation
- * 12 Hours Response
- * TT/Western Union / Paypal / Ali Trade Assurance Payment
- * Sea Shipping

FAQ

Q: What's the package?

A: We have 3 layers package. For the outside, we adopt wood craft case. In the middle, the machine is covered by foam, to protect the machine from shaking. For the inside layer, the machine is covered by thickening plastic bag for waterproof.

Q: Will the package damaged during transportation?

A: Our package is considerate all the damage factors and make it to be safe, and our shipping agent have full experienced in safe transportation. We have exported to 180 countries worldwide. So please don't worry, you will receive the parcel in good condition.

Q: How to install and run the machine?

A: Our technician have installed the machine before shipping. For some small parts installation, we will send detail training video, user's manual along with the machine. 95% customers can learn by themselves.