

TEACH YOU HOW TO CHOOSE A LASER CUTTING MACHINE

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First of all, you must figure out the production scope, processing materials and cutting thickness of your own company, so as to determine the model, format and quantity of the equipment to be purchased, and make a simple foundation for the later procurement work. [Laser cutting machine](#) applications involve mobile phones, computers, sheet metal processing, metal processing, electronics, printing, packaging, leather, clothing, industrial fabrics, advertising, crafts, furniture, decoration, medical equipment and many other industries. The mainstream ones on the market are 3015 and 2513, that is, 3 meters by 1.5 meters and 2.5 meters by 1.3, but the format is not a problem. Generally, companies will provide a variety of formats for customers to choose from, and they can be customized.

Professionals conduct on-site simulation solutions or provide solutions, and can also take their own materials to the manufacturer for proofing.

1) Fine cutting seam: the laser cutting seam is generally 0.10mm-0.20mm;

2) Smooth cutting surface: Whether the cutting surface of laser cutting has burrs or not; generally speaking, YAG laser cutting machine has a little burrs, which is mainly determined by the cutting thickness and the gas used. Generally, there is no burr below 3mm. The effect of nitrogen is the best, the effect of oxygen is second, and the effect of air is the worst. The fiber laser cutting machine has minimal or no burrs, the cutting surface is very smooth, and the speed is also very fast.

3) Look at the deformation of the material: the deformation of the material is very small

4) The power of the cutting machine: For example, most factories cut metal sheets below 6mm, so there is no need to buy a high-power laser cutting machine. A 500W fiber laser cutting machine can meet the production needs. If the production volume is large, worry The efficiency of 500W is not as good as that of high-power laser cutting machines. It is recommended to buy two or more small and medium-power laser cutting machines, which will help manufacturers in controlling costs and improving efficiency.

5) The core part of laser cutting: whether the laser and laser head are imported or domestic. Imported lasers generally use more IPG, and domestic ones generally use Raycus. At the same time, other accessories for laser cutting must also be Pay attention, such as whether the motor is an imported servo motor, guide rail, bed, etc., because they affect the cutting accuracy of the machine to a certain extent. One thing to pay special attention to is the cooling system of the laser cutting

machine - the cooling cabinet. Many companies directly use household air conditioners for cooling. In fact, everyone knows the effect, which is very bad. The best way is to use industrial air conditioners, dedicated to special machines. In order to achieve good results.

Any piece of equipment will be damaged to varying degrees during use, so in terms of repairs after damage, whether the repairs are timely and the cost of repairs has become a problem that needs to be considered. Therefore, when purchasing, it is necessary to understand the after-sales service of the company through various channels, such as whether the maintenance fee is reasonable and so on.