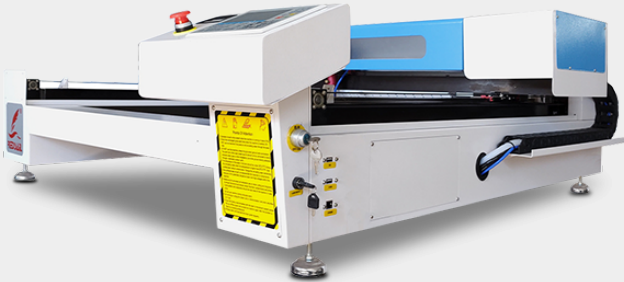


# WHAT ARE THE ADVANTAGES OF LASER CUTTING MACHINE

Posted on 2023-07-28 by redsail



Category: [Laser Cutter News](#)



Laser cutting machine technology has been widely used in the fields of automobiles, machinery, electric power, hardware and electrical appliances. The cutting machine has fast speed, narrow slit, small heat-affected zone, good straightness of slit edge, and smooth cutting edge is widely used by us. So what are the advantages of laser cutting machine?

The specific advantages of laser cutting machine:

1. High precision: It is suitable for the cutting of precision accessories and the precision cutting of various craft words and paintings.
2. Fast speed: more than 100 times that of wire cutting.
3. The heat-affected zone is small and not easily deformed. The cut seam is smooth and beautiful, and no post-processing is required.
4. High cost performance: the price is only  $\frac{1}{3}$  of the laser cutting machine with similar functions, and  $\frac{2}{5}$  of the CNC punching machine with the same effect.
5. The cost of use is very low: only  $\frac{1}{8}$ - $\frac{1}{10}$  of similar laser cutting machines, the hourly cost is only about 18 yuan, and the hourly cost of laser cutting machines is about 150-180 yuan.
6. The follow-up maintenance cost is very low: only  $\frac{1}{10}$ - $\frac{1}{15}$  of similar laser cutting machines, and  $\frac{1}{3}$ - $\frac{1}{4}$  of CNC punching machines with the same effect.
7. The function is stable to ensure continuous production.
8. Compared with CNC punching machines, laser cutting machines have the following advantages:
  - (1) It can complete the processing of various complex structures. As long as any picture can be drawn on the computer, the machine can complete the processing.
  - (2) There is no need to open a mold, just make the drawing on the computer, and the product can come out immediately, which can quickly develop new products and save costs.

- (3) The cutting machine has an automatic tracking system, so it can complete both plane cutting and various uneven curved surfaces.
- (4) The complex process requires CNC punching to be difficult to complete, and laser cutting can do it.
- (5) The surface is very lubricated, and the product grade is very high, which is difficult for CNC punching machines.
- (6) The formed box (thickness less than 0.5 meters) needs to be processed by adding holes and grooves. The CNC punching machine cannot handle it, but the CNC metal laser cutting machine can solve it.

This is the introduction to the advantages of laser cutting machines. There are many advantages of laser cutting machines. If you use laser cutting machines, you will experience them yourself. If you have not used laser cutting machines, you can try to understand them.