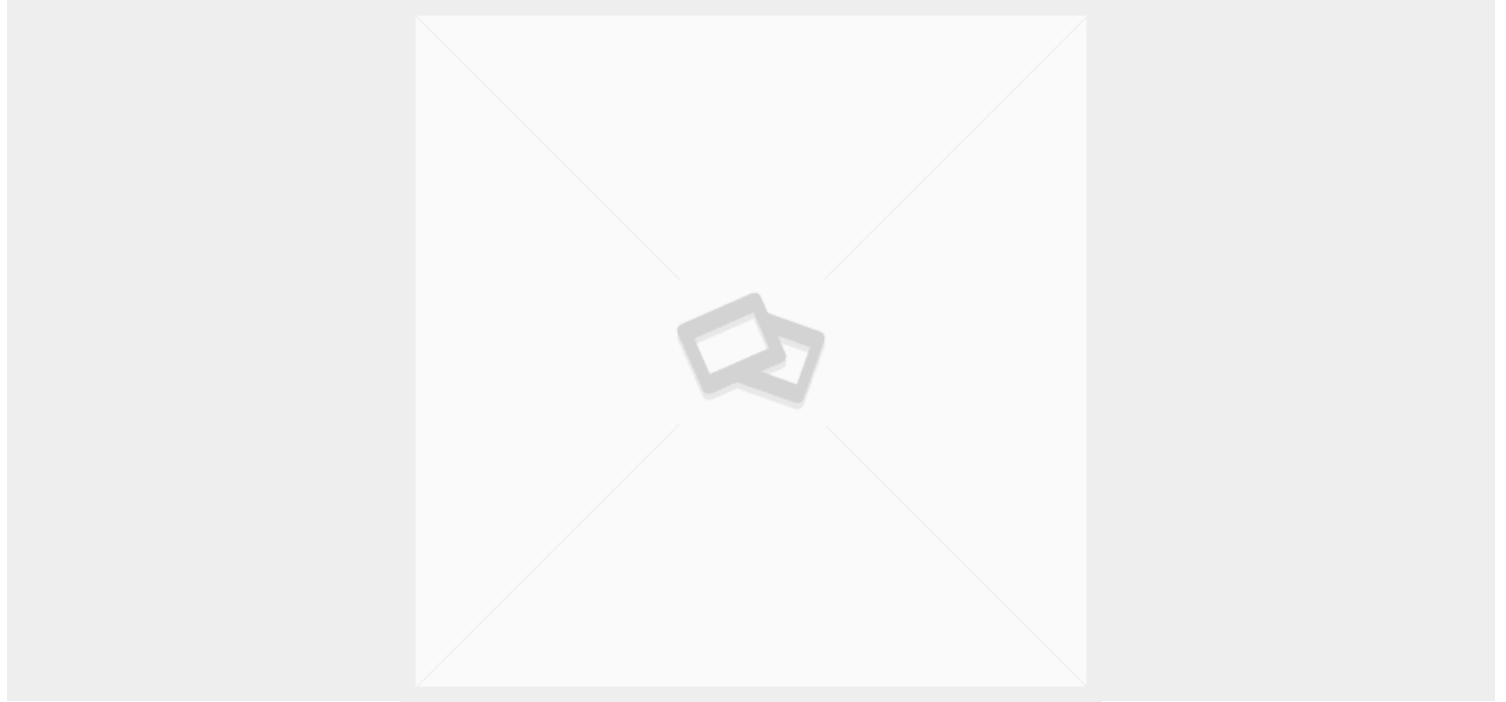


WHAT ARE THE ADVANTAGES OF LASER CUTTING MACHINES COMPARED WITH TRADITIONAL CUTTING MACHINES?

Posted on 2023-06-08 by redsail



Traditional cutting machines are gradually eliminated by the market due to cumbersome operation and slow work efficiency, while fiber laser cutting machines are the darling of the current market.

Category: [Laser Cutter News](#)





laser cutting machine

1. Cutting speed, according to the actual test results in the laser field, the cutting speed of the laser cutting machine is more than 10 times that of traditional cutting equipment. For example, when cutting a 1mm stainless steel plate, the maximum speed of the laser cutting machine can reach more than 30 meters per minute, which is impossible for traditional cutting machines.
2. Cutting quality and precision. Traditional flame cutting and CNC punching are both contact processing methods, which cause great damage to materials and low cutting quality. Secondary processing is required to smooth the surface. Moreover, the accuracy of cutting has a large deviation. Laser cutting machine is a non-contact mechanical method with almost zero damage to materials. Because the laser cutting machine adopts advanced accessories, the equipment is more stable during operation, the cutting precision is more accurate, the error even reaches 0 precision, and the cutting surface is smooth and smooth. For some demanding industries, it can not only save costs, but also save processing time.
3. The operation is simpler and more convenient. Both oxyfuel cutting and CNC stamping require

human intervention in the operation of the machine. Especially for CNC punching machines, it is necessary to design the mold before cutting the material. The laser cutting machine only needs to design the cutting pattern in the computer, and any complex pattern can be imported into the workbench of the laser cutting machine, and the equipment is automatically processed, and the whole process is automated without manual intervention.

4. Fast cutting speed, high degree of automation, simple operation, low labor intensity and no pollution.

Now is an efficient society, everything needs to be fast and good. In the cutting of materials, there is a greater need to improve efficiency. Traditional cutting machines are gradually eliminated by the market due to cumbersome operation and slow work efficiency, while fiber laser cutting machines are the darling of the current market.