

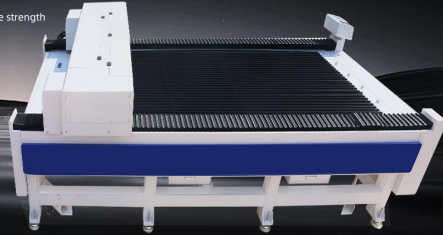
SEVERAL KNOWLEDGE POINTS ABOUT LASER CUTTING MACHINE

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So far, more and more metal processing companies choose to use [laser cutting machines](#), which are fast, efficient, and cut without burrs.

1. Laser cutting technology has existed for more than half a century. In the mid-1960s, researchers from Western Electrical Engineering Research built the world's first laser metal cutting machine.
2. The optical lens focuses the laser light to 0.001 inch The optical lens in the laser fiber cutting machine plays an important role in the cutting process. They can focus high-power laser light onto a target area as small as 0.001 inches in diameter. All of the laser light generated is concentrated in this small area so that fine cuts can be made.
3. Fiber laser metal cutting machines can perform welding tasks Depending on the type of laser, laser cutting machines can also perform welding processes. There are three kinds of lasers widely used at present: CO2 laser, Nd laser, YAG laser and fiber laser. There are several types of lasers that can perform the welding process, but the process is slightly different.
4. Laser cutting machine needs auxiliary gas The laser cutting process requires the use of auxiliary gas. As the laser heats the workpiece, coaxial pressurized gas is inserted into the molten metal to blow it away, enabling the cutting process.
5. Laser cutting machines require a lot of power It is no surprise that stainless steel laser cutting machines need to withstand the power to cut. Efficiency ratings for commercial laser cutters range from 5% to 45%. Having said that, the actual power consumed by an aluminum laser cutting machine must be used with the specific type of machine. and the output settings configured for this. However, unlike other cutting processes, sheet metal laser cutters require a lot of power to work.