

# HOW MUCH DO YOU KNOW ABOUT LASER CUTTING MACHINE?

*Posted on 2023-02-24 by redsail*



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Laser cutting machines are widely used in the current market. So how much do you know about laser cutting machines? Today, Redsail Laser will take you to learn about laser cutting machines:



## Laser cutting machine

What is the principle of laser cutting machine?

The main working principle of the laser cutting machine is to generate the laser through the high-voltage laser and cooperate with the moving mechanical system to achieve the purpose of cutting metal and non-metallic materials. The cut patterns and effects are controlled by the computer to achieve the purpose of automatic processing.

What should be paid attention to during the operation of laser cutting machine?

Laser cutting is a very environmentally friendly cutting and processing method, and it will not cause any harm to the body and environment during the processing. It can be said that it is a very environmentally friendly processing machine. However, in the process of laser processing, high-voltage electric energy is used. During the processing, employees are forbidden to leave without permission to avoid unnecessary damage to the product. Do not use a magnifying glass to observe the laser during processing.

What are laser cutting machines

There are mainly CO<sub>2</sub> laser cutting machines, YAG laser cutting machines, and fiber laser cutting machines. Among them, high-power CO<sub>2</sub> laser and YAG laser are widely used in confidential processing; Fiber laser based on fiber bit matrix has obvious advantages in reducing threshold, oscillating wavelength range, wavelength tunable performance, etc., especially in the process of metal processing, and has become a new technology in the laser field.

What is the application scope of light cutting machine?

In the process of laser cutting, the laser cutting effect is good, the speed is fast, and the thermal effect is relatively small, especially in the process of flexible processing. This model is widely used in automobile manufacturing, production of handicrafts, sheet metal processing, machinery

manufacturing, hardware equipment, fitness equipment and other industries.