

PRINCIPLE OF CO2 LASER CUTTING MACHINE, WHAT CAN BE PROCESSED

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Principle of CO2 laser cutting machine?

The principle of carbon dioxide laser cutting machine is to use carbon dioxide molecular motion to generate laser light. The carbon dioxide laser tube emits laser light, and through the focusing action of the focusing mirror, the laser beam is focused on the surface of the object to generate high temperature, causing the material to instantly sublimate into gas, which is absorbed by the exhaust fan to achieve the effect of cutting the object.

What can a laser cutting machine process?

Laser cutting machines can be divided into two categories: metal laser cutting machines and CO2 laser cutting machines

Metal laser cutting machines can be used to cut various metal materials, such as stainless steel materials, stainless steel plate cutting, stainless steel pipe cutting, stainless steel door and window cutting, carbon steel material cutting, carbon steel plate cutting, carbon steel product cutting, brass material cutting, etc

The CO2 laser cutting machine can be used to process the vast majority of non-metallic materials, such as textile fabric leather material cutting, plastic parts water nozzle cutting, touch screen PET cutting, foam material cutting, microfiber cloth cutting, solar panel cutting, bamboo and wood products cutting, printed circuit board cutting, film material cutting, handicraft cutting, and so on. Widely used, with beautiful effects.

Advantages of laser cutting machines?

High cutting accuracy, automatic layout based on graphic patterns, greatly improving material utilization, smooth and smooth edges, automatic edge sealing without scattering, and diversified machine performance, which can achieve material cutting effects, as well as marking and carving on the surface of objects, with a wide range of functions.