

DAILY MAINTENANCE AND OPERATION OF LASER CUTTING MACHINE

Posted on 2023-07-12 by redsail

REDSAIL CM1390E LASER ENGRAVING/CUTTING MACHINE

2-Way Pass-Through
Professional Laser Machine Manufacturer

[VIEW MORE](#)



Category: [Laser Cutter News](#)



The price of [laser cutting machine](#) The price of light cutting machine is not low, ranging from hundreds of thousands to several million. Therefore, the service life of the laser cutting machine should be extended as much as possible, so as to better save production costs and win greater benefits. Laser cutting machine manufacturers replace traditional mechanical knives with invisible beams, with high precision, fast cutting, not limited to cutting pattern restrictions, automatic typesetting saves materials, smooth cutting, and low processing costs. Laser cutting machine manufacturers emit laser light from a laser and focus it into a high power density laser beam. A laser beam is irradiated onto the workpiece surface to bring the workpiece to its melting or boiling point, while a high-pressure gas coaxial with the beam blows away the molten or evaporated metal. The price of the laser cutting machine should be clear about the company's production scope, processing materials and cutting thickness, so as to determine the type, form and quantity of the equipment to be purchased, and make a simple preparation for subsequent purchases. Metal laser cutting machine is specially used for cutting laser cutting equipment for processing metal materials. Currently, there are CO2 laser cutting machines, fiber laser cutting machines and YAG laser cutting machines. CO2 laser cutting machine has strong cutting ability and wide range. As the mainstream laser cutting equipment on the market, fiber laser cutting machine is a new technology in recent years, coupled with relatively low technical requirements, metal laser cutting machine equipment is gradually becoming popular.

1. Remember not to start the metal laser (laser) beam splitter (use: metal cutting, non-metal cutting) during lightning.
2. Please keep the place where the metal laser cutting machine is placed dry.
3. Keep the cooling water level below the maximum allowable value.
4. The optical path from mirror (speculum) B to mirror C is not protected, so be careful (note) when cutting and adjusting the optical path not to enter any part of the body in this optical path, so as not to cause injury.
5. When the ambient temperature (temperature) is greater than the maximum allowable value, the device will not be completely dissipated, which will stabilize the operation of the device (interpretation: stable and stable; no change) reduction; allow the value when the ambient temperature is lower than the minimum value, It may cause the water in the laser to freeze, causing the laser tube to break.
6. Laser current of metal laser cutting machine (Electron The size of the flow determines the size

of the laser energy, but when the current is greater than the allowable value, the laser energy will decrease, and when the current exceeds the allowable value for a long time, it will greatly affect the life of the laser energy. laser. .

7. Power supply of metal laser cutting machine: the fluctuation of power supply voltage will lead to unstable operation of the equipment (interpretation: stable and stable; no change), and excessive voltage will cause permanent damage to the power supply system of the equipment (system)