

PROTECTIVE MEASURES WHEN OPERATING A LASER CUTTING MACHINE

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REDSAIL CM1610 AUTO FEEDING LASER CUTTER

Redsail Laser Cutter / Engraving Machine
1610 for Cutting Soft Materials

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Because the main working principle of the [laser cutting machine](#) is completed by laser, it is necessary to take some necessary protective measures during industrial operation to avoid unnecessary harm to the body. Let's take a look at the necessary protective measures for normal operation of this laser cutting principle.

First, pay attention to eye protection

Generally, when we use a laser cutting machine, we habitually like to stare at the cutting head of the laser, but this habit is actually the most detrimental to the eyes, because if we stare at the sparks generated by cutting for a long time, it will be harmful to the eyes. Eyes are harmful. It is obvious that looking at them for a long time will make the eyes tingle. This is the most direct damage. At the same time, when the laser is cutting, it will emit a special substance of the laser. , this substance is highly concentrated in the processing workshop, and is directly focused on the retina to form an image through the refractive medium of the eye, which will make the energy density on the retina retina 104 higher than the energy density on the cornea, so it will Damage to the cornea or retina of the eye.

Second, skin protection

In addition to the eyes, the laser is also very irritating to the skin. The laser can cause damage to the skin tissue, but the skin can repair itself. Although it will reduce the overall function of the skin, it will not affect the overall function. However, if you do not pay attention to irradiating under the laser for a long time, it will cause skin burns or leave scars. Although compared with the eyes, the laser damage to the skin is much smaller, but it should also be paid enough attention .

Third, respiratory protection

Finally, when operating the laser cutting machine, it may affect our respiratory tract. Because the laser will generate a certain high temperature, this high temperature can be combined with the gas to complete various cutting work, and a large amount of dust will be generated in this process, especially when processing some special metal materials, the generated dust will contain many chemical components , so it is harmful to the human body after inhalation.

