

HOW TO MAINTAIN AND MAINTAIN THE LASER CUTTING MACHINE IN HIGH TEMPERATURE IN SUMMER

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In summer, the temperature in various places rises, and many laser equipment will generate heat during use, which will cause some failures. Therefore, in order to avoid the failure of the laser cutting machine in summer, everyone must pay attention to the maintenance and repair of the [laser cutting machine](#), which can prolong the service life of the machine.

In the hot summer, Datu Laser warmly reminds that whether you are going out to play or work outdoors, you must take good heatstroke prevention measures. We must not only prepare for heatstroke prevention and cooling, but also maintain the laser cutting machine to prevent the machine from "heatstroke"

Water cooling

In high temperature weather, the deterioration rate of cooling water will also be accelerated. It is recommended that laser cutting machine users use regular distilled water or pure water, and regularly clean the scale, so as not to cause the scale attached to the laser and the pipeline to affect the laser power; pay attention to the difference between the temperature of the cooling water and the air temperature Too large, as the temperature in summer is getting higher and higher, the working pressure of the cooling system of the laser cutting machine will increase sharply. It is recommended to check and maintain the internal pressure of the cooling machine before the high temperature comes, and adjust it to adapt to the high temperature weather.

Lubrication

The guide rails should be cleaned frequently to remove dust and other debris to ensure that the laser equipment is normal. The racks should be wiped frequently and lubricated. The time should be adjusted. Compared with spring and autumn, the time should be shortened by 0.5-1 times, and keep observing Oil condition. For machinery working in high-temperature areas, the viscosity grade of the oil should be appropriately increased, and the temperature of the grease oil is easy to change, and it should be refueled properly to ensure lubrication without debris. Carefully check the straightness of the cutting table and track of the laser cutting machine and the verticality of the machine, and maintain and debug in time if any abnormality is found. The guide rail should be cleaned and lubricated frequently, and the motor should also be cleaned and lubricated frequently to keep the machine in the best condition at all times. The machine can move better during operation, and cut more accurately. The product quality will be higher.

Line

Check and replace aging wires, plugs, hoses, and connectors; check whether the connector pins of electrical components are loose, and tighten them in time to avoid electrical burnout and unstable signal transmission caused by poor contact.

Kind tips

Note: Beware of frosting on the laser machine. Due to the large difference between the temperature of the chiller and the ambient temperature, frosting will occur on the laser and cutting head, which will cause damage to the equipment and lenses. Please increase the temperature of the water chiller, and contact us in time Ask how to adjust after sale.

Sharpening a knife is not the same as chopping firewood. No matter how powerful the machine is, it needs maintenance. Therefore, when the hot summer comes, protect your "love machine" and keep it in the best condition at all times, so as to bring you greater benefits.