

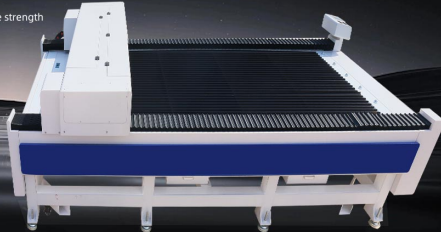
LASER CUTTING MACHINE ANTIFREEZE OPERATION RELATED KNOWLEDGE

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Although the impact of temperature on the [laser cutting machine](#) is not particularly large, because many users will add butter to the screw rod, they will definitely forget to clean it in winter, which will cause the machine to fail to move every time it is turned on. For example, the winter in the north is very cold, and the temperature in the studio will be very low. Although the machine is filled with oil, the machine still cannot move. At this time, we must ensure that the temperature in the workshop reaches the temperature of the refueling standard. Many users often forget to change the water, especially in winter, because the outside temperature is very low, and it is difficult to feel the heat of the spindle motor. Therefore, we specially remind users that cooling water is a necessary condition for the normal operation of the spindle motor. If the cooling water is too dirty, it will cause serious damage to the motor. Ensure that the cooling water is clean and the water pump can work normally.

Many users who have used the laser cutting machine think that the laser cutting machine does not need to be cleaned so clean. In fact, it is not the case. The correct way should be to clean the table in time after the work is finished, which provides convenience for the next work. Clean up the material chips beside the guide rail and the guide rail to prevent the machine from jamming during the working process due to debris interference. Regularly clean the lead screw to prevent foreign matter from sticking to the lead screw. The lead screw is very important in the equipment. It determines the accuracy of the machine, and the lead screw also plays an important role in the transmission process.

If the exhaust temperature of the laser cutting machine is too high, it can be checked from the following three aspects:

1. The condenser is dirty and the air volume of the fan is insufficient: clean the condenser, overhaul or replace the fan
2. The insulation layer of the cryogenic pipe is damaged: repair the insulation layer
3. The ambient temperature is too high: improve the use environment

For these are some problems that laser cutting machines often encounter, if you want to know more, you can check it on our website.