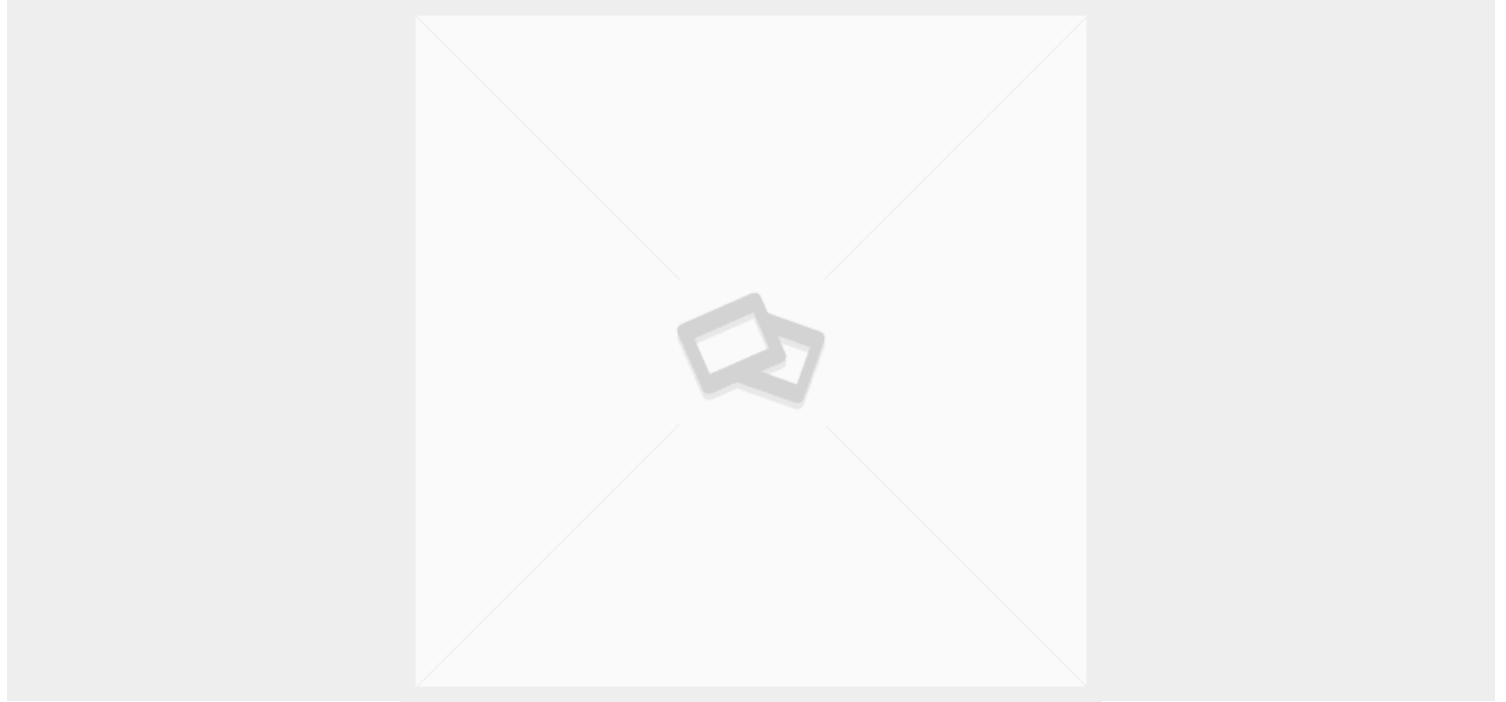


WHAT SHOULD I DO IF THE CHILLER OF THE LASER CUTTING MACHINE DOES NOT COOL?

Posted on 2023-06-13 by redsail



Category: [Laser Cutter News](#)





Laser cutting machine

The reason and treatment method of the laser chiller not cooling:

1. The dust-proof net is blocked, which affects the air volume of the air inlet.

The dust filter plays the role of filtering dust and particles in the laser chiller, and its purpose is to reduce or eliminate the possibility of entering impurities in the refrigeration system. When the filter is clogged, the condenser will gradually accumulate dust, affecting the heat dissipation of the chassis, and directly affecting the cooling effect of the chiller for a long time. In severe cases, it will directly cause the equipment to be unusable, and it will not be able to cool at all. Therefore, it must be checked and cleaned regularly, and it is recommended to clean it every 40 days.

2. There are impurities in the water quality, which may easily cause blockage in plate replacement.

There are too many impurities in tap water, which are attached to the inner wall of the water pipe, which may easily cause insufficient water supply and affect the cooling effect. Therefore, it is generally recommended to use pure water as the circulating medium, and regularly replace the water quality of the Cool Times laser cooler to ensure the normal operation of the laser cooler.

3. Insufficient circulating medium (water/ethylene glycol).

When the cooling medium content in the laser cooler is too small, the water circulation of the equipment is difficult, and the heat generated by the cooling equipment cannot be taken away in time. Due to long-term water shortage, the water pump may burn out, and the cooling effect will be greatly reduced. Therefore, the content of the coolant should be checked regularly to check whether the liquid level is kept between high and low. When the coolant is too low, the corresponding coolant should be added in time.

4. The power supply voltage is too low or the power of the refrigeration equipment is insufficient.

Check the power supply requirements of the machine, and then check whether your own supply voltage meets the requirements. If it is normal, the power of the laser water cooler may be low, and you can consider whether to replace it with a higher power. Normal temperature alarm for laser

cutting water chiller.