

# DAILY MAINTENANCE METHOD SHARING OF LASER CHILLER

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## REDSAIL CM2435 LASER ENGRAVING/ CUTTING MACHINE

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Laser chiller is a kind of cooling equipment, and laser chiller is a cooling water equipment that can provide constant temperature, constant flow and constant pressure. Laser chillers are mainly used in laser marking machines, laser engraving machines, laser welding machines, laser inkjet printers, laser cutting machines and other laser processing equipment. It can accurately control the temperature required by the laser equipment, thus ensuring the normal operation of the laser equipment. Work.

The daily maintenance method of the laser chiller is shared:

1. Put the chiller in a ventilated and cool place for use, it is recommended to be below 40 degrees. When using the laser chiller, keep the machine room clean and well ventilated, and clean the condenser regularly to ensure the normal operation of the unit.
2. The water should be changed regularly, and the water tank should be cleaned regularly. Generally, the water should be changed once every 3 months.
3. The water quality and temperature of the circulating water will affect the service life of the laser tube. It is recommended to use pure water and keep the water temperature below 35 degrees Celsius. If it exceeds 35 degrees Celsius, add ice cubes to cool it down.
4. When the unit has a fault alarm and shuts down, press the alarm stop button first, and then check the cause of the fault. Remember not to force the machine to start before the fault is eliminated.
5. Regularly clean the condenser and dust-proof net of the chiller.
6. If it is not an emergency during use, do not turn off the unit by cutting off the power at will;
7. In addition to daily maintenance, winter maintenance also needs to prevent freezing. In order to ensure the normal use of the laser chiller, the ambient temperature should not be lower than 5 degrees Celsius, and the method to avoid freezing of the chiller:

In order to prevent freezing, the chiller can be kept above 0 degrees Celsius. If the conditions cannot be met, the chiller can be kept on to keep the water in the pipeline flowing and prevent freezing.

During the holidays, if the laser chiller is shut down, or if it is shut down for a long time due to failure, you can try to drain the water in the water tank and pipeline of the chiller. If the unit is not used for a long time in winter, turn off the unit first, then turn off the main power supply, and drain the water in the laser chiller.

Antifreeze can also be added appropriately according to the actual situation of the chiller.

The laser chiller is a cooling device that mainly performs water circulation cooling on the generator of the laser equipment, and controls the operating temperature of the laser generator so that the laser generator can maintain normal work for a long time. It is an individual industrial chiller for the laser industry. application.