

WHAT ARE THE WAYS TO PROLONG THE LIFE OF LASER CUTTING MACHINE?

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There may be many problems after the [laser cutting machine](#) is used for a certain period of time. One of them is the extension of life. The common pursuit, everyone wants to make the laser cutting machine last longer, but the laser cutting machine needs our daily maintenance.

Water replacement and water tank cleaning: It is recommended to clean the water tank and replace the circulating water once a week. It should be noted that the laser tube must be filled with circulating water before the machine works. The water quality and temperature of the circulating water will directly affect the service life of the laser tube. It is recommended that users use pure water and control the water temperature below 35°C. If it exceeds 35°C, it is necessary to replace the circulating water, or add ice cubes to the water to cool down, (it is recommended that users use a cooler, or use two water tanks).

Clean the water tank: first turn off the power, unplug the water inlet pipe, let the water in the laser tube flow into the water tank automatically, open the water tank, take out the water pump, and remove the dirt on the water pump. Clean the water tank, replace the circulating water, return the water pump to the water tank, insert the water pipe connecting the water pump into the water inlet, and arrange the joints. Power on the water pump separately and run it for 2-3 minutes (to make the laser tube full of circulating water).

Cleaning of the fan: Due to long-term use, a lot of solid dust will accumulate in the fan, which will make the fan produce a lot of noise, and it is not conducive to exhaust and deodorization. When the suction of the fan is insufficient or the smoke exhaust is not smooth, first turn off the power, remove the air inlet pipe and the air outlet pipe on the fan, remove the dust inside, then turn the fan upside down, and pull the blades inside until Clean it up and install the fan.

Cleaning of the guide rail (it is recommended to clean once every half a month, shut down the operation) guide rail and linear shaft are one of the core components of the equipment, and their function is to guide and support. In order to ensure the high machining accuracy of the machine, its guide rails and linear axes must have high guiding accuracy and good motion stability. During the operation of the equipment, a large amount of corrosive dust and smoke will be generated during the processing of the workpiece. These smoke and dust will be deposited on the guide rail and the surface of the linear shaft for a long time, which will have a great impact on the processing accuracy of the equipment, and will be on the guide rail and Corrosion spots are formed on the surface of the linear shaft, which shortens the service life of the equipment. In order to make the machine work normally and stably, and ensure the processing quality of the product, the daily maintenance of the guide rail and the linear axis must be carefully done.

In short, if you want to prolong the life of the laser cutting machine, it is essential to do a good job of cleaning and maintenance. If you often let the laser cutting machine fall into complicated work without cleaning it up, it will definitely have a great impact on its life. influence, so in this regard we should actively do it!