

HOW TO PROLONG THE SERVICE LIFE OF LASER CUTTING MACHINE

Posted on 2023-07-17 by redsail



Category: [Laser Cutter News](#)



In daily production, no matter what industry, as long as machinery and equipment can be used, aging will occur after long-term work and operation, and even frequent failures will occur. As a high-tech product, laser cutting machines are no exception.

Among the components of the [laser cutting machine](#), the laser is a part that is easy to age and wear. There are roughly two reasons for the power reduction of the laser cutting machine. Therefore, in daily use, both the operator and the laser cutting custom manufacturer must pay attention to how to slow down the laser cutting. What about the aging of the laser cutting machine? The laser cutting manufacturer will tell you how to extend the life of the laser cutting machine.

First of all, it is necessary to regularly check and maintain the external optical path of the laser generator. After the laser cutting machine is used continuously for a period of time, the power will decrease. When the power drops and affects production, it is necessary to maintain the laser and external optical path. When the maintenance is completed, the cutting capacity will return to the factory level.

Secondly, the environment and conditions of the production site have a great influence on the power of the laser cutting machine. For example, the quality of compressed air, the dust on the production site, etc., and some manufacturers even put the painting work near the fiber laser cutting machine, which will lead to a decline in the cutting quality and cutting ability of the laser cutting machine.

Then how to remedy the above problems?

1. Regularly clean the dust and sundries in the laser cutting machine, and try to clean it every five days!
2. Check the steel belt once a week to see if it is tight. Avoid accidental injury to the operator in case of failure.
3. Frequently clean the guide rails, dust and other sundries, so that the laser cutting machine can operate normally.
4. Wipe the rack frequently, add lubricating oil regularly, and lubricate without debris. Reduce rack wear.