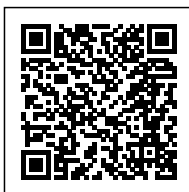


# THE IMPACT OF LONG HOURS OF LASER CUTTING MACHINE WORK

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Fiber laser cutting machine is one of the cutting equipment with relatively high price compared with the same type of cutting machine, and the price will vary greatly according to different power, so many customers often choose models with lower power to reduce costs. From the perspective of procurement costs, this is a cost. But if the product to be cut is relatively thick and needs to be mass-produced continuously for a long time, then it needs to be processed with the high power of the laser cutting machine. Is this good for the laser equipment? Next, Lingxiu Laser will tell you about the disadvantages of high-load operation of metal laser cutting machines, hoping to arouse the vigilance of laser practitioners.

What is the impact of the full load of the metal laser cutting machine?

1. Laser and lens: There is a certain time limit for the replacement of consumables. If it is used for a long time, the replacement cycle will be shortened, and the use of the laser is 100,000 hours. Generally, the longer it is used, the faster it will be worn out.
2. Laser power supply: full power use is like a car running 120 yards for a long time, it is easy to cause damage to the motor, and things will be damaged faster if they are used for a long time. The same is true for laser cutting machines.
3. Laser chiller for main components: The chiller starts and stops high-frequency operation, which consumes a lot of compressors and main components inside it, which will shorten the service life of the chiller. Of course, in addition to the consumption of these commonly used components, long-term full-load operation of the laser cutting machine will definitely affect other components, so regular machine maintenance is required to keep the machine in good condition for production.