

SO UNDER WHAT CIRCUMSTANCES SHOULD THE OUTPUT POWER OF THE LASER CUTTING MACHINE BE INCREASED?

Posted on 2023-08-04 by redsail



Category: [Fiber Laser Cutter News](#)



With the continuous development of science and technology, many people start to use [fiber laser cutting machine](#), which can improve work efficiency, but in the process of use, there will be many problems and troubles due to improper operation. For example, the laser output power of a metal laser cutting machine is not constant, and we need to adjust it in real time according to the processing needs. This step is very important. The output power directly affects the processing performance of the laser cutting machine, which determines the cutting accuracy and cutting efficiency of the laser cutting board.

So under what circumstances should the output power of the laser cutting machine be increased?

1. If the cutting speed of the laser cutting machine is too slow, you can increase the cutting speed by appropriately increasing the laser output power.
2. When cutting thicker materials. In order to improve the cutting performance, the laser output power can be increased through the control panel.
3. Adding materials with high cutting density and high hardness has high performance requirements for laser cutting machines. This problem can be solved by increasing the laser output power and reducing the cutting speed.
4. For some special materials, when it is necessary to replace the short focal length lens with a long focal length lens, the laser output power needs to be increased.