

# REQUIREMENTS FOR THE WORKING ENVIRONMENT OF LASER CUTTING MACHINES

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During the actual operation and use of laser cutting machines, especially fiber laser cutting machines, the working environment is a significant factor affecting work efficiency. Long term operation in poor working environments can also affect the service life of the equipment. So, what are the working environments of laser cutting machines that need to be paid attention to?



laser cutting machine

1. Environmental humidity: Most of the machine tools and parts of the fiber laser cutting machine are made of metal and cannot be processed in a humid environment. Excessive humidity can cause a series of faults such as machine rust and laser failure, resulting in the shutdown of the fiber laser cutting machine equipment and affecting the processing progress.
2. Stable electricity. When using fiber laser cutting machines, electricity is used as the power and is a high-end sheet metal processing equipment. During the processing, the fiber laser cutting machine must have stable voltage and current to avoid current instability and equipment failure, which affects its service life. Generally, a voltage regulator is required.

3. Pay attention to static electricity. When the fiber laser cutting machine is working indoors, in addition to ensuring that the temperature and temperature are within the normal range, it is also important to ensure that the working environment does not generate static magnetic fields or other phenomena, to avoid errors that may affect the laser path.

During the use of fiber laser cutting machines, daily maintenance and upkeep are essential, and details such as the working environment should not be overlooked in order to maximize the value of fiber laser cutting equipment.