

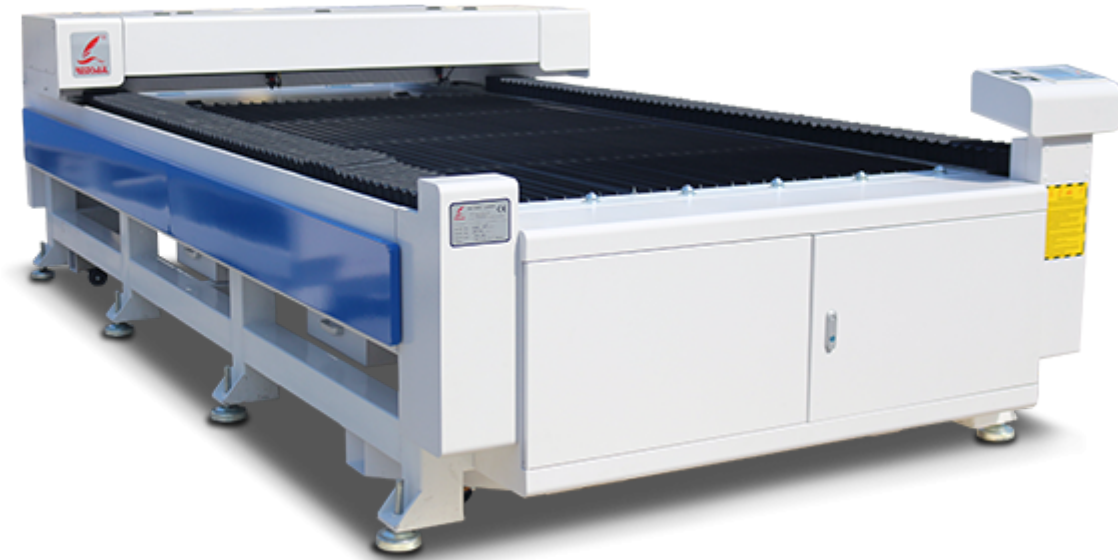
HOW TO OPERATE A LASER CUTTING MACHINE?

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Category: [Laser Cutter News](#)





laser cutting machine

To operate a metal laser cutting machine, it is usually necessary to follow the following steps:

1. Turn on the working circuits of each part, including the main power switch, voltage regulator, fiber laser power switch, air compressor, air circuit valve, cold dryer, etc., to ensure that the power supply system of each part is normal;
2. Test run the machine and confirm that it runs smoothly, and that all limits and emergency buttons are secure;
3. Place the material to be cut smoothly on the cutting table of the machine tool, operate the console computer screen, input parameters such as product material thickness, and import the pattern into the machine;
4. Control the movement of each axis through the functions in the menu, and adjust the cutting

position to the appropriate part of the board;

5. Select suitable nozzles and lenses, and conduct inspections to ensure that their appearance and cleanliness are in good condition; Adjust the cutting head to the appropriate cutting focus position through the direction keys on the panel;
6. Select suitable cutting gases based on cutting needs and check if their spraying status is good;
7. Start the laser and machine tool, test cut the metal raw materials, observe whether the cross-section is smooth and the cutting accuracy is accurate. If there is any deviation, adjust the equipment parameters until the sample meets the requirements; Then the device automatically starts cutting according to the input parameters and patterns;

During the cutting process, there must be staff present. If there is an emergency that requires quick response, the staff must quickly press the brake button;

9. After completing the cutting work, pay attention to checking the cutting accuracy and quality of the product.