

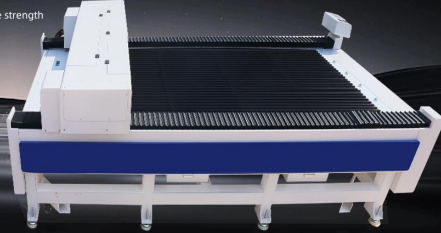
# SAFETY POINTS FOR OPERATING A METAL LASER CUTTING MACHINE

*Posted on 2023-07-17 by redsail*

## REDSAIL CO2 GLASS LASER FLATBED CUTTING MACHINE WITH HIGH EFFICIENCY

we are professional manufacturer with reliable strength  
20+ years of production experience.

[VIEW MORE](#)



Category: [Laser Cutter News](#)



During the operation of the [laser cutting machine](#), whether it is production or processing safety issues are the first, especially during the operation of the metal laser cutting machine, once an accident occurs, no matter whether it is personnel safety, machine equipment or processing, there will always be one party affected Influence

### Safety Points for Operating a Metal Laser Cutting Machine

The following Redsail Laser sorts out several safety elements for operating the laser cutting machine for you

One: Operators must be trained to be familiar with the structure and performance of the equipment, and to be proficient in the knowledge of the operating system.

Two: Don't make it clear that the materials that can be irradiated or heated by laser should be processed first, so as to avoid the potential danger of generating smoke or steam

Three: When starting up the equipment, the operator is not allowed to leave the platform or take care of it without authorization. If he has to leave, he needs to stop the machine or cut off the power switch.

Four: Comply with the safety performance standard of general cutting machine. Start the laser strictly according to the laser start-up procedure.

Five: Put the fire extinguisher in an easily accessible place, turn off the laser when not working, and do not put test paper or other flammable materials near the laser beam.

Six: Do not process the material before it is clear that it can be irradiated or heated by laser, so as to avoid the potential danger of generating smoke and vapor.

Seven: When abnormalities are found during processing, the machine should be shut down immediately, and the fault should be eliminated or reported to the supervisor in time.

Eight: Wear occupational protective equipment as required, and must wear compatible laser goggles near the laser beam.

Nine: When using gas cylinders, avoid crushing the welding wire to avoid leakage accidents. The use and transport of gas cylinders must comply with gas cylinder regulations. Do not explode cylinders in sunlight or near heat sources. When opening the bottle valve, the operator should stand next to the bottle mouth.

Ten: Maintenance equipment must comply with high-voltage safety regulations. According to the standards and procedures, the metal laser cutting machine should be maintained every 40 hours of operation or once a week, and every 1000 hours of operation or every six months. After turning on the power of the machine, turn it on manually in the X and Y directions at a low speed, and check for abnormalities.

The above is the sharing of the top ten safety points for operating metal laser cutting machines. We must keep safe production in mind.