

SAFE OPERATION OF LASER CUTTING MACHINE

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1. Comply with the general cutting machine operation specification process. Start the laser strictly according to the laser start-up procedure.
2. The operator must be trained to be familiar with the structure and performance of the equipment, and to master the relevant knowledge of the operating system.
3. Wear labor protection articles as required, and wear compliant glasses near the laser beam.
4. Do not process a material without knowing whether it can be irradiated or heated by a laser to avoid the potential hazard of fumes and vapors.
5. When the equipment is in operation, the operator is not allowed to leave the post without authorization or entrust someone to be in charge. If it is really necessary to leave, the operator should stop the machine or cut off the power switch.
6. Keep a fire extinguisher within easy reach; turn off the laser or shutter when not processing; do not place paper, cloth, or other flammable materials near unprotected laser beams.
7. When an abnormality is found during the processing, it should be stopped in time to remove the fault or report to the supervisor.
8. Keep the laser, bed and the surrounding area clean, orderly and safe, and the workpieces, plates and waste materials are piled up according to regulations.
9. When using gas cylinders, care should be taken not to crush the welding wires to avoid electric leakage accidents. The use and transportation of gas cylinders shall comply with gas cylinder monitoring regulations. It is forbidden to expose the cylinder to the sun or close to the heat source. When opening the bottle valve, the operator should stand on the side of the bottle mouth.
10. Follow high voltage code procedures when servicing. Every 40 hours of operation or weekly maintenance, every 1000 hours of operation or every six months of maintenance must be carried out in accordance with regulations and procedures.
11. After turning on the machine, the machine tool should be started manually at low speed in the X and Y directions, and checked to see if there is any abnormality.
12. After inputting the new workpiece program, it should be trial run first and check its running

condition.

13. When working, pay attention to observe the operation of the machine tool to avoid accidents caused by the cutting machine going out of the specified travel range or two collisions.