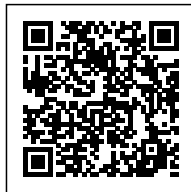


# CAN LASER CUTTING MACHINE CUT ALUMINUM SHEET?

*Posted on 2023-06-12 by redsail*



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Laser cutting machine

Laser cutting aluminum plate also depends on the power of the laser generator. The thickest one can be cut, and it can be cut, but the processing cost is high, because it is a highly reflective material. Laser cutting uses a focused high-power density laser beam to irradiate the workpiece. The irradiated material is rapidly melted, vaporized, ablated or reaches the ignition point, and at the same time, the molten material is blown away by the high-speed airflow coaxial with the workpiece, so as to realize the cutting of the workpiece.

Is the cutting surface of light-cut aluminum as smooth as cutting other materials?

The cuts of the aluminum plate are also smooth. Aluminum sheet is only a highly reflective material and requires a large laser generator. The cutting gas is cut with nitrogen like other materials and will not cause surface unevenness.

Features of laser cutting aluminum sheet:

1. Thin slit: the slit of laser cutting aluminum plate is generally 0.1mm-0.2mm

2. The cutting surface is smooth: the cutting surface of the laser-cut aluminum plate has no burrs and no dross.
3. Small thermal deformation: The slits of laser processing are thin, the speed is fast, and the energy is concentrated, so the heat transferred to the material to be cut is very small, and the deformation of the material is also small.
4. Material saving: Laser processing adopts computer programming, and laser equipment can cut aluminum plate processing parts of different shapes, improve the material utilization rate of aluminum plate, and save a lot of material cost.
5. The thickness of the aluminum plate that can be cut mainly depends on the power of the laser generator. Generally, the thickest aluminum plate can be cut and cut.

Precautions for laser cutting aluminum plate: aluminum plate is a kind of highly reflective material, which will cause great damage to the laser, so use it as little as possible. It is suggested that the aluminum plate below 6mm can be processed by CNC punching machine, and the aluminum plate above 6mm can be processed by water cutting.