

# APPLICATION OF LASER CUTTING MACHINE IN SHEET METAL PROCESSING INDUSTRY

*Posted on 2023-08-10 by redsail*

## REDSAIL CM1390E LASER ENGRAVING/CUTTING MACHINE

2-Way Pass-Through  
Professional Laser Machine Manufacturer

[VIEW MORE](#)



Category: [Laser Cutter News](#)



Sheet metal processing, which occupies one-third of the world in metal processing, has a wide range of applications and appears in almost all walks of life. The cutting process of sheet metal (thickness of metal sheet below 6mm) is nothing more than plasma cutting, flame cutting, shearing machine, stamping and so on. Among them, [laser cutting](#) has emerged and developed vigorously in recent years. Laser cutting has high efficiency, high energy density and softness. No matter in terms of precision, speed or efficiency, it is the best choice for the sheet metal cutting industry. In a sense, laser cutting machines have brought a technological revolution to sheet metal processing.

Laser cutting has high efficiency, high energy density and flexibility, no matter in terms of precision, speed or efficiency, it is the best choice for the sheet metal cutting industry. As a precision processing method, laser cutting can cut almost all materials, including two-dimensional cutting or three-dimensional cutting of thin metal plates. The laser can be focused into a very small spot, which can be used for micro and precision processing, such as the processing of micro slits and micro holes. In addition, it does not need to use a tool during processing, which belongs to non-contact processing and has no mechanical deformation. Some traditional difficult-to-cut or low-quality cut plates can be easily solved after encountering laser cutting, especially in the cutting of some carbon steel plates, laser cutting has an unshakable position.