# LASER CUTTING MACHINE WILL REPLACE TRADITIONAL CUTTING MACHINE

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**Category:** Laser Cutter News

First of all, we have to understand what laser cutting is. Laser cutting is a thermal cutting method that uses a focused laser beam as the main heat source.
The laser cutting machine is a kind of industrial and medical cutting equipment formed by using this cutting method.
If divided according to the material being processed, laser cutting machines can be divided into: metal laser cutting machines and non-metal laser cutting machines. Divided according to the laser: CO2 laser cutting machine, semiconductor laser cutting machine, fiber laser cutting machine, ultraviolet laser cutting machine and so on.

There is also a close relationship between the division of lasers and materials. CO2 laser cutting machines are widely used in non-metallic materials (except for high-power CO2 cutting machines). Semiconductor laser cutting machines can be used in all metals and some plastic materials. Fiber laser cutting Machines and UV laser cutting machines should be used more in the high-end processing market.

Laser cutting has absolute advantages and will gradually replace the existing mechanical cutting equipment in the market. Because it has the following absolute advantages: narrow incision width (generally 0.1-0.5mm), high precision (general hole center distance error 0.1-0.4mm, outline dimension error 0.1-0.5mm), incision surface roughness Good (generally Ra is 12.5--25μm), the slit generally does not need to be reprocessed. Wide range of processing materials, smooth cutting edges, no burrs, no need for polishing, no dust, no noise, high precision, high speed, and high efficiency. Avoid user material waste, super strong beam, non-contact cutting, avoid scratching, squeezing the workpiece, smooth incision, strong cutting force, fast cutting speed, greatly improving work efficiency.