

THERE ARE THREE MAIN APPLICATION DIRECTIONS OF LASER CUTTING EQUIPMENT ON THE MARKET

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The principle of [laser cutting](#) is a technology that replaces the traditional mechanical knife mold with an invisible beam. It has the characteristics of high precision, fast cutting speed, free custom pattern, automatic waste discharge, smooth incision, and low processing cost. Today, with the continuous development of science and technology, more and more users are beginning to use laser cutting machines for product cutting, and lasers will gradually replace traditional die-cutting equipment.

The advantage of the laser cutting machine is that it does not need to be in contact with the workpiece, and it will not scratch the surface of the workpiece during use. It can also achieve fast cutting and smooth cutting without additional processing. The laser cutting machine has the advantages of low cutting heat impact, high processing accuracy and good repeatability. It does not need to open the mold, which can effectively save a lot of time and cost.

At present, there are three main application directions of laser cutting equipment in the market:

The first type is used for processing materials such as decoration, advertising, lamps, kitchen utensils, plates, electrical cabinets, lifting plates, engineering plates, high and low switch cabinets, etc. This material is generally thin, with a thickness of 1~5mm, and can be used with medium power Laser cutting machine cutting, the cutting of this material can consider buying a yag laser cutting machine or a 500W fiber laser cutting machine.

The second is cutting plastics (polymers), rubber, wood, paper products, leather and natural or synthetic organic materials. Since these items are not metal products and have different absorption of laser light, they are most suitable for CO2 laser cutting machine cutting.

The third type is mild steel with a thickness of 8-20mm and stainless steel with a thickness of 12mm. This material requires a high powered laser cutter to cut quickly and instantly. Consider purchasing a high-power fiber laser cutting machine or a high-power CO2 laser cutting machine.

Therefore, when choosing laser equipment, we must not only consider the characteristics of our own product materials, but also consider the performance of the laser equipment, so that we can find the laser equipment suitable for our industry products.