

THE USE AND APPLICATION RANGE OF LASER CUTTING MACHINE

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Laser cutting uses light beams instead of traditional mechanical knife processing. It has the characteristics of high precision, fast cutting, not limited to cutting patterns, automatic typesetting saves materials, smooth incisions, and low processing costs. It has been gradually improved or replaced by traditional [metal cutting](#). Cutting process equipment. The mechanical part of the laser cutter head of the laser cutting machine has no contact with the workpiece, and will not cause scratches to the surface of the workpiece during work. The cutting speed is fast, the incision is smooth and flat, and generally no subsequent processing is required; With the continuous development of laser technology, laser cutting machines have gradually replaced traditional cutting methods with their flexibility and flexibility.

Laser cutting machine is a processing machine that everyone is familiar with, and it is mainly used in the following major industries:

One: Kitchenware industry: Compared with the traditional kitchenware processing method, the laser cutting machine has fast cutting speed and high precision, which improves the processing efficiency and avoids the problems of low efficiency of traditional processing work, large consumption of molds, and high cost of use. Moreover, it can realize customized and personalized product development, and solve the problems of kitchenware manufacturers.

Two: Automobile manufacturing industry: There are many parts and materials in the automobile, such as automobile brake pads, etc. In order to improve the stability of the automobile, the cutting accuracy must be guaranteed. The traditional manual precision is difficult to achieve, and the efficiency is low. Laser cutting machine processing can Fast mass production, high precision, high efficiency, no burrs, one-time molding and other advantages, these are the reasons why laser cutting machines are widely used in the automotive industry.

Three: Advertising metal character industry: Traditional advertising processing equipment generally uses materials such as processing advertising fonts. Due to the processing accuracy and unsatisfactory cutting surface, the rework rate is high. High-precision laser cutting technology does not require secondary rework, which greatly improves work efficiency and saves production costs.

Four: Sheet metal processing industry: Traditional sheet metal cutting equipment can no longer meet the requirements of the current technology and cutting form. Laser cutting has gradually replaced traditional equipment processing with its advantages of high flexibility and fast cutting speed.

The above is only a part of it, such as hardware engraving, automobile manufacturing, aerospace, high-speed rail production, electronics manufacturing, food and pharmaceutical packaging, precision instruments and other hundreds of industries have been widely used in manufacturing, laser processing technology, laser equipment are closely related to our lives.