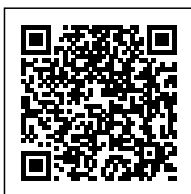


LASER CUTTING MACHINE USED IN MOLD MANUFACTURING

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The development of the mold industry has always relied on traditional processing methods for production, but now the traditional processing methods are far from meeting the existing development needs, and transformation and development are imperative. Therefore, the application advantages of [laser cutting machines](#) in the mold industry have gradually emerged.

Most of China's mold processing uses imported equipment from abroad, and enterprises have a large investment and growth ratio. There is a demand for mold processing equipment of more than 10 billion yuan per year, and the equipment demand of mold companies is long-term continuous, which means for Laser cutting machine is also a big business opportunity. With the continuous improvement of laser technology, the application of laser technology is becoming more and more extensive, showing a good trend in the future development trend. And all kinds of laser cutting machines are gradually used in a large number of processing occasions such as automobiles, hardware, molds, and machinery. Among the advantages of the mold industry, the performance of laser cutting machines is particularly significant. Lingxiu Laser produces 500W-3000W fiber laser cutting machines. Taking the 3000W laser cutting machine as an example, the thickness range of cutting metal sheets is 0.5MM-20MM carbon steel.

In the future mold industry market, there will be a development trend of large-scale and multi-type parts. In addition, the stability and reliability of materials for molds are getting higher and higher. At the same time, the inheritance and high-precision type of mold equipment There are very high requirements, and these are the shortcomings of the existing mold equipment, which are also the advantages of the laser cutting machine. The workpiece produced by laser cutting has almost no requirements for material, material type, and size, and the beam quality The well-cut workpiece can be processed without subsequent processing, relatively speaking, the cost of processing is lower, the stability is higher, and no maintenance is required. Of course, in some respects, laser cutting machines are also subject to certain conditions compared to the mold industry.

The laser cutting machine is used in the mold industry to cut well, and is deeply loved by mold companies. It is mainly used in small and medium-sized precision molds, large and medium-sized precision plastic molds and other precision molds. Next, I will introduce you in detail. :

1. Small and medium-sized precision molds The demand for such molds is quite large, with many types and a wide range of services. They are widely used in manufacturing and electromechanical industries, mainly for precision cutting by laser cutting machines. At the same time, the development of the mold industry has also driven the technological

development of laser equipment, and the continuous pursuit of new technologies has made laser technology more and more powerful. Therefore, the two promote and develop each other.

2. Large and medium-sized precision plastic molds Large and medium-sized precision molds are mainly used in the automotive industry and the home appliance industry, because the molds required by these industries are extremely precise, so more advanced laser cutting machines are needed to meet the processing needs of parts.
3. Other precision molds Laser cutting machine With the wide application of alloys, aluminum alloy and magnesium alloy casting molds have developed rapidly. With the rapid development of my country's construction industry, the demand for new buildings has increased, and various special-shaped molds and plastic pipeline molds have also made great progress. And the corresponding mold processing equipment - laser cutting machine market will have a bright future.