

# APPLICATION OF LASER CUTTING MACHINE IN TOY PRODUCTION

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Laser cutting machine can improve work efficiency, improve processing quality, reduce production cost and increase product profit. Improving the production process and upgrading the product level has become a hot spot pursued by the majority of toy factories.

In the traditional cloth and plush toy production process, props or electric irons are generally used to cut toy parts. The finished product of the mold is high, the production time is long, the cutting accuracy is not high, and the reuse rate is low. It is suitable for toy workpieces of different sizes. To make blades of different shapes and sizes, if the shape or size cannot be used in the future, then this knife mold becomes a one-time use, which is very wasteful. In particular, it is easy to cause the surface of the toy to come off due to the deformation and bluntness of the cutting edge, which seriously affects the work efficiency and quality of the toy factory. The ironing sheet is not only slow, but also has a large loss of labor and fabric, and the processing has a strong smell of smoke, which is harmful to health. Especially in the cutting process of high-end plush toys. The way of traditional processing equipment has become more and more inadequate.

The advent and application of laser cutting machines have successfully solved the above problems. Advanced numerical control operation combined with non-contact processing method not only ensures the high-speed stability of the laser equipment, but also ensures the fineness, cleanness and accuracy of the incision, especially in the cutting of the equivalent parts of eyes, nose and ears of animal toys and cartoon toys. It is even more handy.

Especially for advanced functions such as automatic feeding, intelligent typesetting, multi-head cutting, and mirror cutting of symmetrical parts for the toy industry. The application of these functions not only satisfies the toy factory's production characteristics of large quantities, strict requirements, and complex construction schedules, but also saves materials, saves energy and protects the environment, improves product quality, and improves processing efficiency and profits. Laser cutting machines have been successfully used in the production of Olympic Fuwa. The huge base of 6.6 billion people in the world and the sustained and rapid development of the industrial economy have determined the strong market demand for industries such as home textiles, toys, trademarks, and automotive interiors. Related to this, advanced processing technology has also become an increasingly Hot spots of concern.