

APPLICATION OF LASER CUTTING MACHINE IN GARMENT INDUSTRY

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REDSAIL CM1610 AUTO FEEDING LASER CUTTER

Redsail Laser Cutter / Engraving Machine
1610 for Cutting Soft Materials

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Laser cutting machine integrates light, machine and electricity, and has gradually been widely used in leather, textile and garment industries due to its advantages of precise processing, fast processing, simple operation and high degree of automation, which has promoted the rapid development of the garment industry.

Laser cutting machine is low in price and low in consumption, and because laser processing has no mechanical pressure on the workpiece, the effect, precision and cutting speed of the cut product are very good, the operation is stable, the incision is fine and clean, and it also has safe operation and simple maintenance. Features, can work continuously for 24 hours. When using a traditional cutting machine to cut various fabrics, the production cost is too high, the production cycle is long, and it is inconvenient to modify the size, which affects the delivery time and cannot meet some sharp corners encountered in the production process. Cutting of complex geometric figures such as circular holes. At the same time, when the traditional cutting machine cuts the cloth, the incision is rough, which causes the warp and weft of the cloth to fall off, which brings a lot of inconvenience to the operation of the post-embroidery process, seriously affects the quality of embroidery and clothing, and thus reduces the market competitiveness.

The edge of the dust-free non-woven cloth cut by the laser machine will not turn yellow, the edge will not be scattered automatically, it will not be deformed, it will not become hard, the size is consistent and accurate; there is no burr, the size is standard, and the error is small ($\pm 0.1\text{mm}$), The effect is soft, without the harshness of high frequency or die-cut pressure. Can cut arbitrary complex shapes; high efficiency, low cost, computer-designed graphics, can cut any shape and size of lace. Due to the combination of laser and computer technology, users can achieve laser engraving output as long as they design on the computer, and can change engraving at any time, and can produce products while designing.

The laser cutting machine breaks through the slow speed and difficult typesetting of traditional manual and electric shears, and fully solves the problems of insufficient efficiency and waste of materials. The cutting speed is fast and the operation is simple. Just input the graphics and sizes to be cut into the computer, and the machine will The entire sheet of material will be cut into the finished product you need, without tools or molds, and the laser can be used to realize non-contact processing, which is simple and fast.