

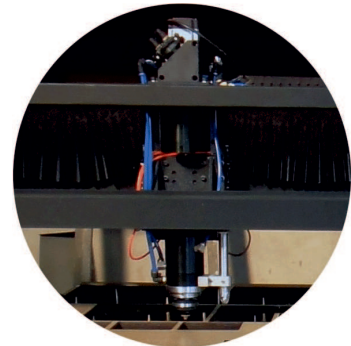
ОФИЦИАЛЕН ПРЕДСТАВИТЕЛ ЗА БЪЛГАРИЯ

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JQ-750W Fast Axis Laser Cutter



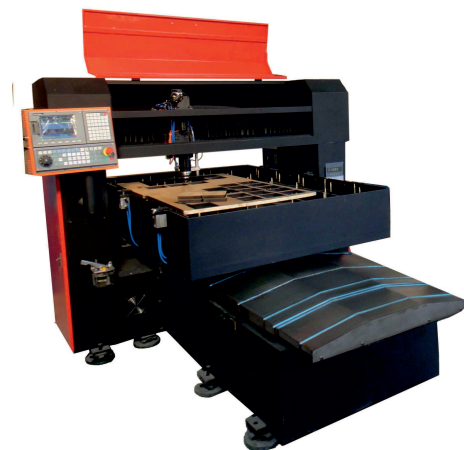
Color LCD touch-screen display



Auto focusing following cutting head



CO2 fast axis laser device



Unidirectional sliding worktable



Product Parameters

Model	JQ-750W
Rated Laser Power	750W
Laser Power Stability	$\leq \pm 1\%$
Laser Type	CO2 fast axis laser
Laser Wavelength	10.6 μm
Laser Light Spot Diameter	18 \pm 0.5mm
Beam Divergence	≤ 1.5 mrad
Cooling Type	Water cooling
Working Area	1250*1850mm
Pulse Frequency	0-1000Hz
Pulse Width	100 μs -CW
Positioning Precision	± 0.03
Re-positioning Precision	± 0.01
Max.Cutting Speed	0-30000mm/min / 0-1181in/min
Z axis speed	12000mm/min
Operating Temperature	0 - 40°C
Operating Humidity	5 - 85%
Gas Consumption	≤ 40 NL/h (Purity: 99.996%)

Product Description

- JQ-750W fast axis laser cutting machine is tailored for die board/plywood and heavy sheet material cutting industry.
- We adopt mix optical path and unidirectional sliding table, which minimize the impact of optical path length on laser power, enhance movement stability and reliability during cutting.
- Stable machine body, agile performance and software special for laser cutting will enable you to accomplish the machining with ease, whose efficiency and quality are far beyond the traditional cutting processing.

Technical features

JQ fast axis CO2 laser device is an optimized version of the latest laser generator, adopting Italian technology.

Designed and built with principle of mix optical path; Movement pattern of worktable is Unidirectional sliding.

Parallel-plane laser resonance cavity is structured with stable invar steel, adopts fast axial flow cooling and high-efficiency heat exchanger, so that gas temperature is constant, and laser power stability reaches $\pm 1\%$.

The cutting head equips with automatic tracking system, focusing automatically, responding quickly and accurately.

Photoelectric conversion ratio is up to 30%, which is more than 20% beyond that of similar machines.

Working gases is mixed according to certain ratio, whose fast axial flow speed could be intellectually adjustable. Multi- seal vacuum technology ensures the gas purity and lowers the operation cost.

Ball screws and guide rails are fully enclosed and protected.

X, Y, Z three axes all are built with servo motor-drivens made by Japanese Panasonic. After the annealing aging, 300 days' of natural aging, and vibration, and other multi-processing of stress relief, the stable running of the box-structured base can be assured during the machine operation and working.

World famous pneumatic parts and optical lens, laser path reflection control function as well are adopted.

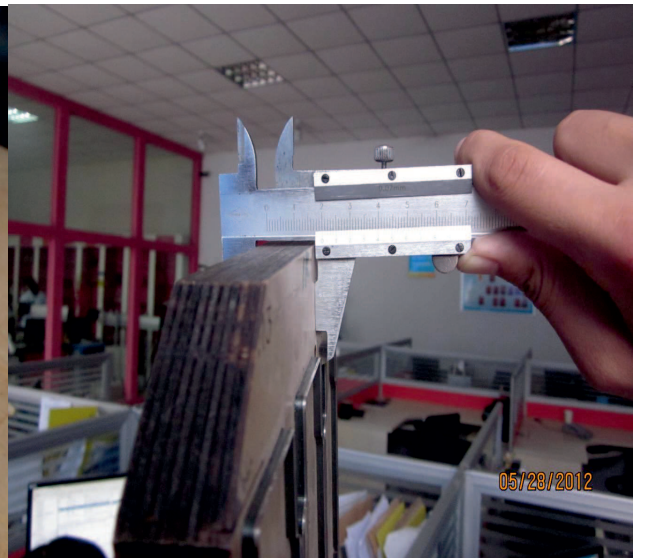
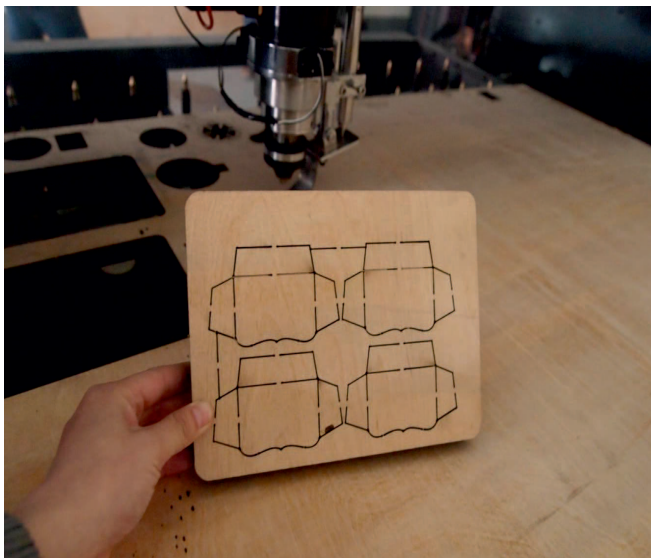
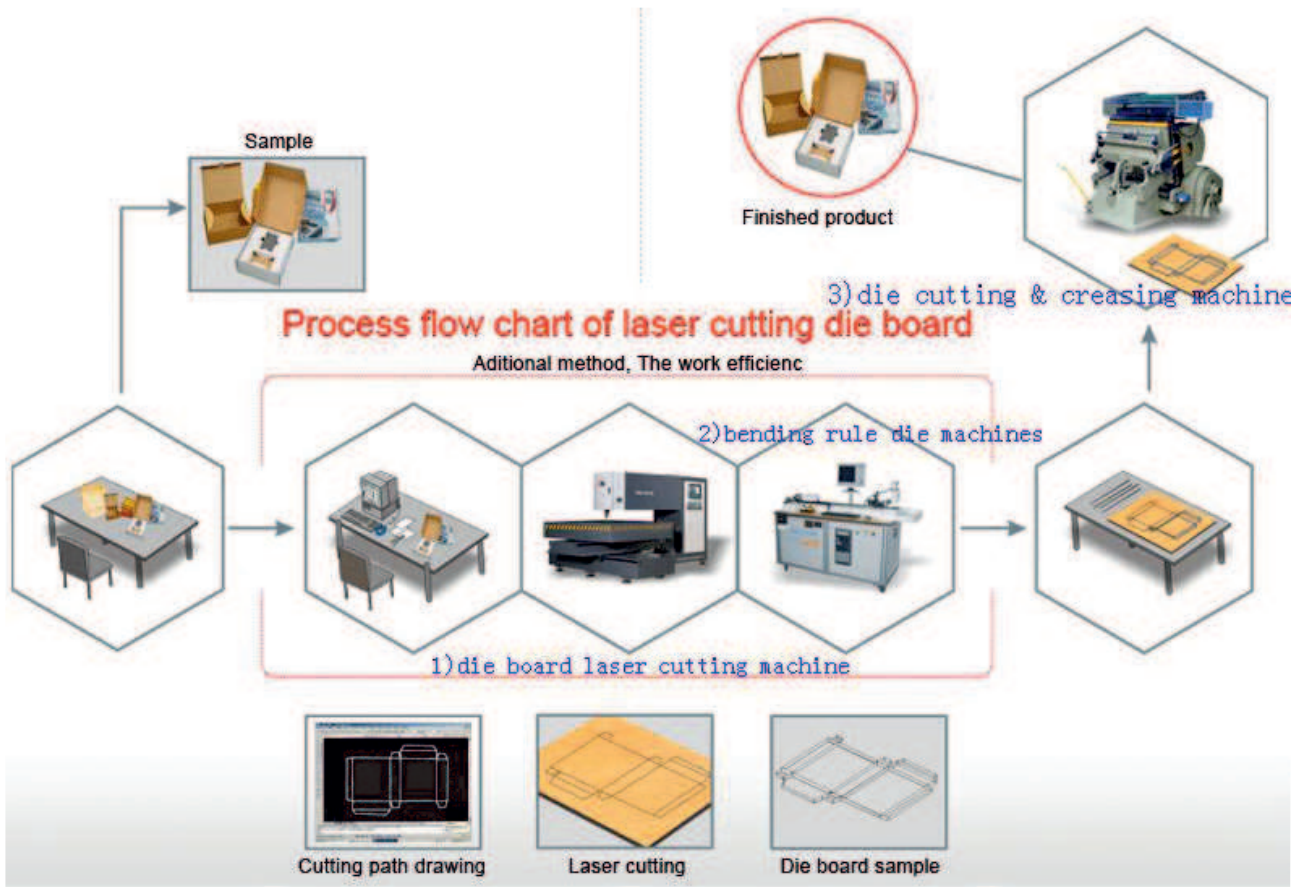
Color LCD touch-screen display is convenient for operation. All the running states and parameters are clear at a glance.

Applicable Materials

Die board, MDF, wood plates, acrylic, plastic, and many other non-metals. Iron, steel and some other materials.

Applicable Industries

Die processing, advertising decoration, furniture, wooden toys, some metal processing products industry, molding, etc.



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