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GLSC

AUTOMATIC MULTI-PLY CUTTING SYSTEM

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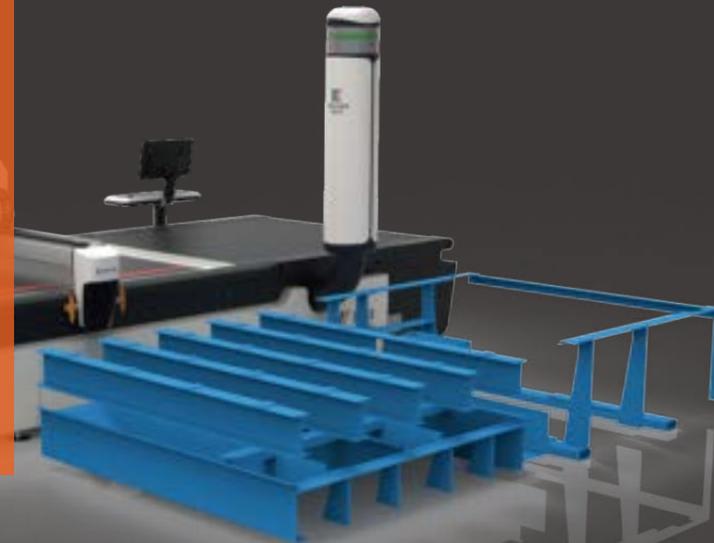
www.iechocutter.com

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ONE-TIME MOLDING STEEL FRAME

The fuselage frame is made of high-quality carbon structural steel, which is formed at one time by a large five-axis gantry milling machine to ensure the accuracy of the equipment.

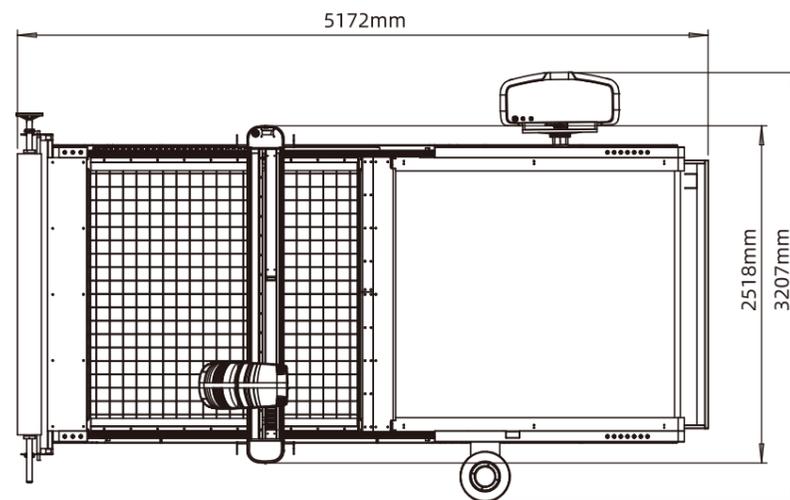
A stress-relieving annealing treatment, combined with advanced flaw detection technology, guarantees that the equipment maintains stable precision after transportation, high-speed operation, and long-term use—significantly extending its service life.



New vacuum chamber design

The structural rigidity of the cavity is greatly improved, and the overall deformation under the pressure of 35 kPa is ≤ 0.1 mm.

The cavity ventilation airway is optimized, and the suction force can be adjusted quickly and intelligently during the cutting process, without the need for secondary coating.



Reduce machine footprint by **20%-30%**



New cutting while feeding function

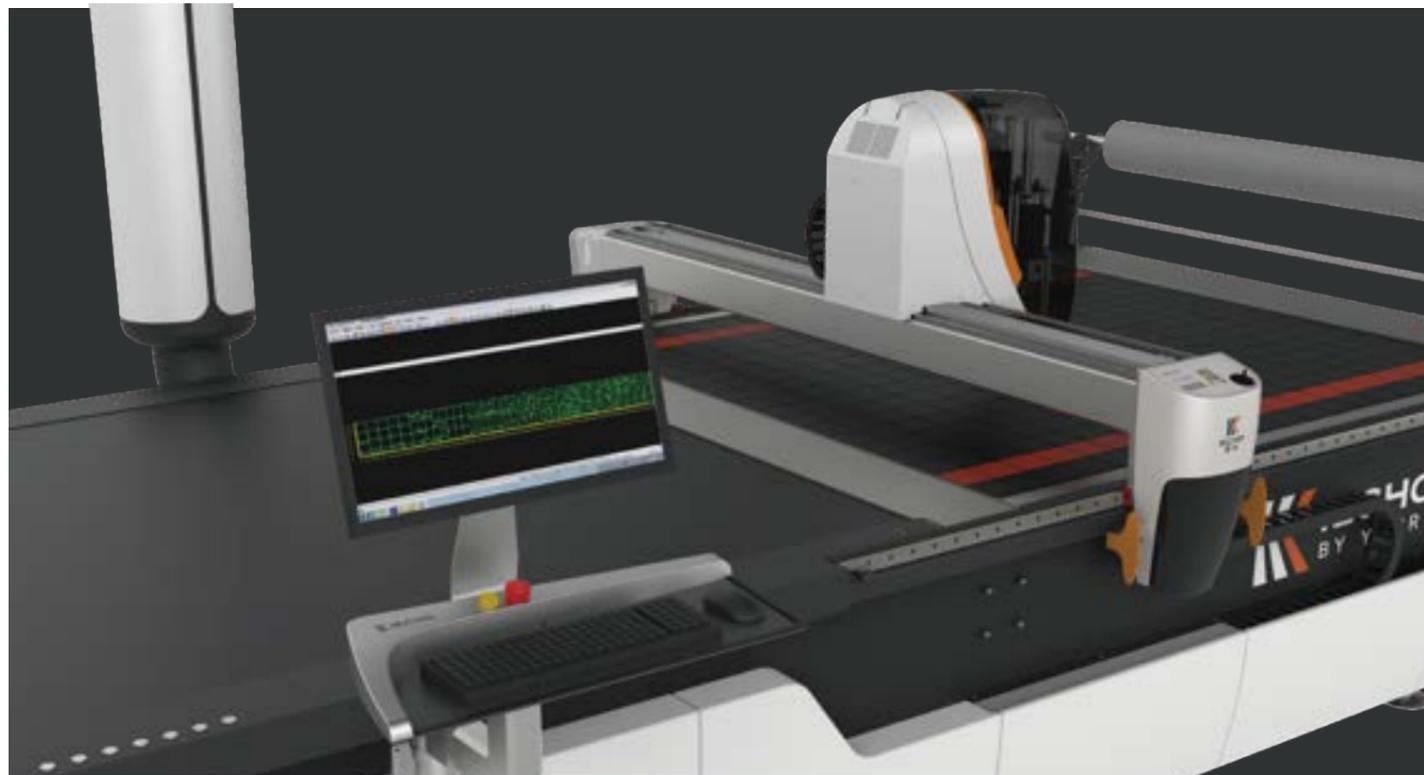
The overall cutting efficiency is increased by more than **30%**

- Cutting while feeding
- Automatically sense and synchronize the feeding back-blowing function.
- No human intervention is required during cutting and feeding.
- Seamless cutting and processing of super-long patterns.
- Automatically adjusts the feeding pressure for optimal performance.

New intelligent sharpening system

- Swiss-imported high-speed sharpening motor automatically adjusts the sharpening speed according to cutting requirements, ensuring the blade stays sharper for longer and lasts longer.
- Three different sharpening systems can meet the sharpening needs of different fabrics.
- Quick change of the sharpening systems
- The sharpening angle and pressure can be customized at any time according to the characteristics of the fabric and the cutting needs.
- Early warning for replacement of sharpening system.





60 m/min
Max cutting speed

90 mm
Max cutting height(after adsorption)

High frequency oscillating tool

Maximum rotating speed can reach

6000 rpm

Through the optimization of dynamic balance, the noise during equipment operation is reduced, the cutting accuracy is guaranteed, and the service life of the machine head is increased. The high-frequency vibration blade is made of special processing material to be more solid, and it is not easy to deform during the cutting process.

Tool cooling function

Reduce the adhesion of special fabrics in the cutting process.

Punching device

Three types of punching operations with different specifications can be completed in a single process.

Automatic cleaning device for bristle brick

The bristle brick automatic cleaning device always keeps the equipment in the best state of suction.

Floating cutter head design

Improve the cutting accuracy of non-breathable fabrics.

THE LATEST CUTTING MOTION CONTROL SYSTEM

CUTTING WHILE FEEDING

High-precision feeding without waiting, high cutting efficiency.

Zero gap cutting

Greatly improve material utilization and reduce material cost.

CUTTING SPEED OPTIMIZATION FUNCTION

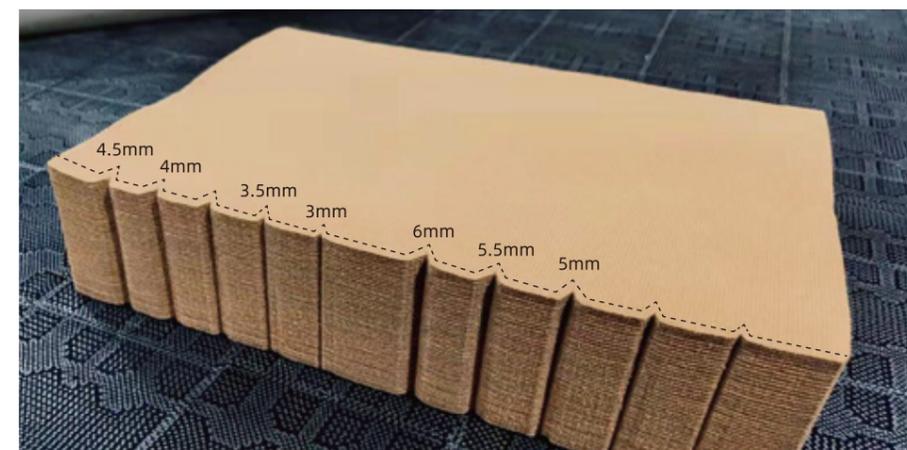
According to different cutting conditions, the cutting speed can be automatically adjusted to improve efficiency while ensuring the quality of the material.

INTELLIGENT CUTTING AND AUTOMATIC COMPENSATION

The cutting path compensation can be automatically performed according to the loss of the fabric and the blade.

SMART LINES MERGING FUNCTION

Further improve cutting quality and cutting efficiency.



Intelligent notch optimization

It can output multiple sets of different types and sizes of notches at the same time to meet the cutting needs of various complex patterns.



Automotive



Aerospace



Composite materials



Upholstered furniture



Medical supplies



Textiles and Clothing



Luggage and Handbags



Fabric toys



Outdoor supplies



Leather and Footwear

GLSC Product parameters

Machine model	GLSC-1818	GLSC-1820	GLSC-1822
Length × Width × Height	5 m*2.5m*2.4m	5 m*2.7m*2.4m	5 m*2.9m*2.4m
Effective cutting width	1.8m	2.0m	2.2m
Size of blade	2.4*8.5mm/ 2*7mm	2.4*8.5mm/ 2*7mm	2.4*8.5mm
Effective cutting length	1.8m		
Picking table length	2.2m		
Machine weight	3.0-3.5t		
Operating Voltage	AC 380V±10% 50Hz-60Hz		
Installation total power	38.5 KW		
Average energy consumption	15-25 kW·h		
Environment and temperature	0°- 43°C		
Noise level	≤80dB		
Air pressure	≥0.6mpa		
Maximum vibration frequency	6000rpm		
Maximum cutting height(after adsorption)	90mm		
Maximum cutting speed	60m/min		
Maximum acceleration	0.8 G		
Cutter cooling device	○ Standard ● Optional		
Lateral movement system	○ Standard ● Optional		
Punching heating	○ Standard ● Optional		
2 Punching/3 Punching	○ Standard ● Optional		
Equipment operating position	Right side		

* Product parameters in this manual depend on actual materials.

*The product parameters and functions mentioned on this page are subject to change without prior notice.