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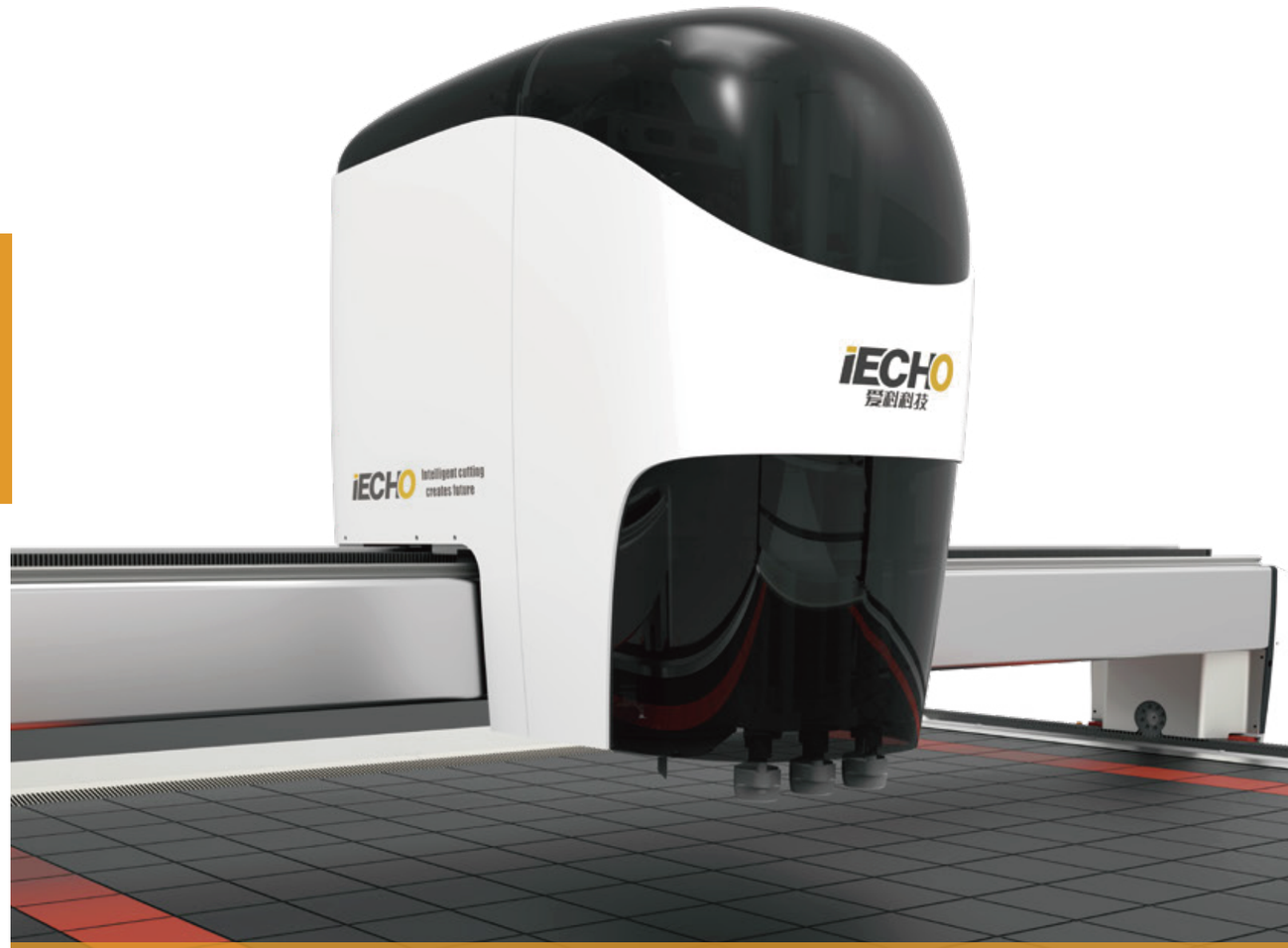
INTELLIGENT CUTTING CREATES FUTURE



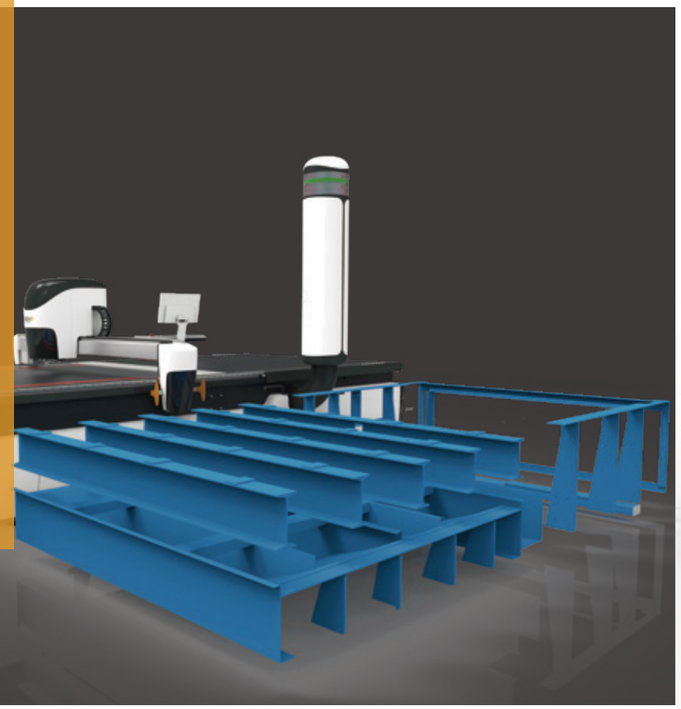
GLSC

AUTOMATIC MULTI-PLY CUTTING SYSTEM

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.

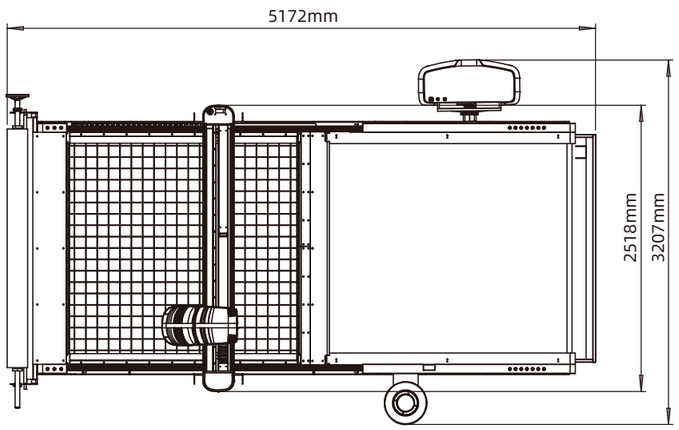
The use of stress-relieving annealing treatment, combined with later flaw detection technology, ensures that the equipment still maintains stable accuracy after transportation, high-speed operation and long-term use, and improves the service life of the equipment.



New vacuum chamber design

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

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%

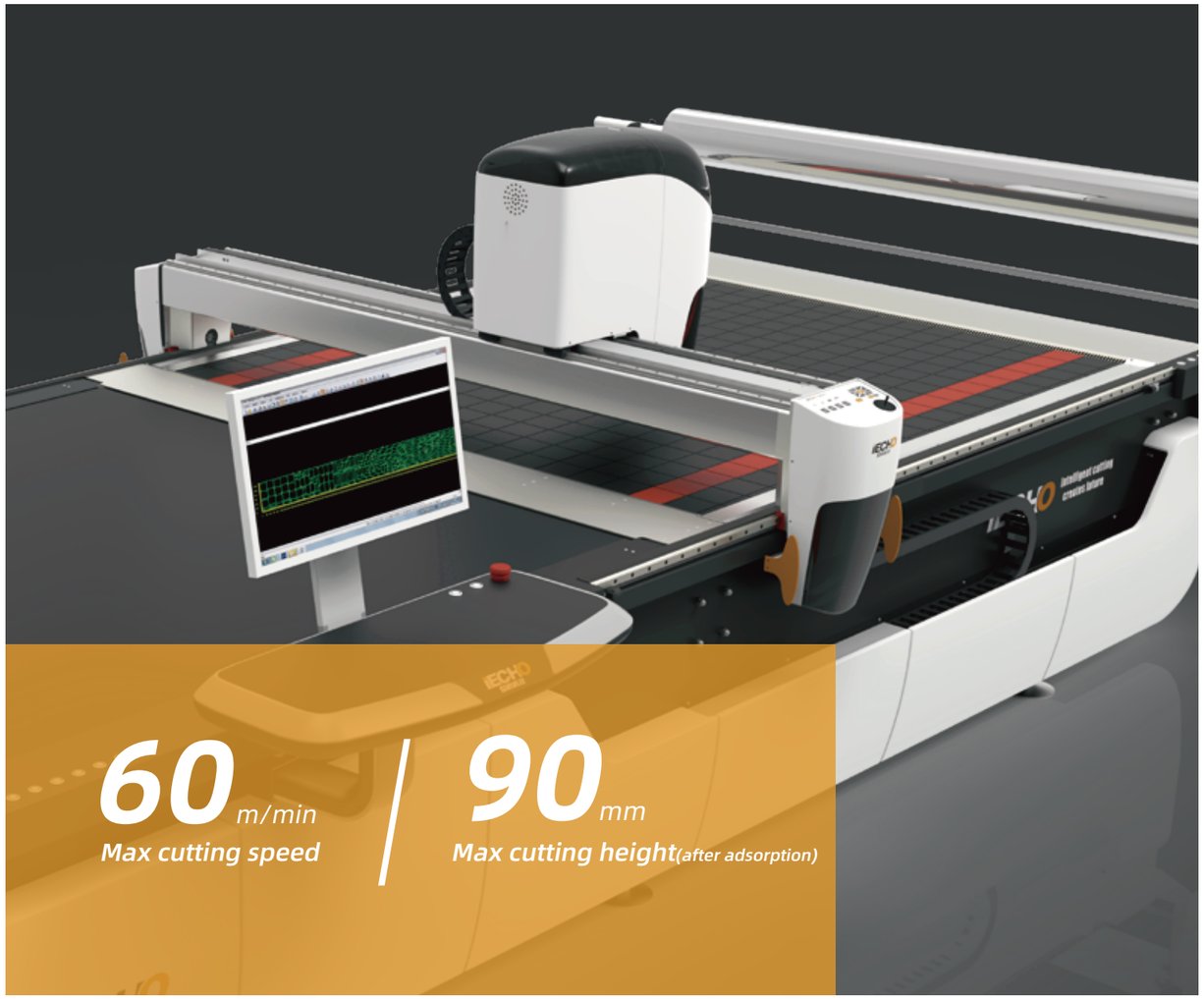
Fully automatic continuous cutting function

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.
- Super-long pattern can be seamlessly cutting and processing.
- Automatically adjust the pressure, feeding with pressure.

New intelligent sharpening system

- Swiss imported high-speed sharpening motor can automatically adjust the number of sharpening revolutions according to cutting requirements, making the blade sharper and more durable.
- Three different sharpening media can meet the sharpening needs of different fabrics.
- Quickly change the sharpening media.
- 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 media.



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 the cutting efficiency while ensuring the quality of the pieces.

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.

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

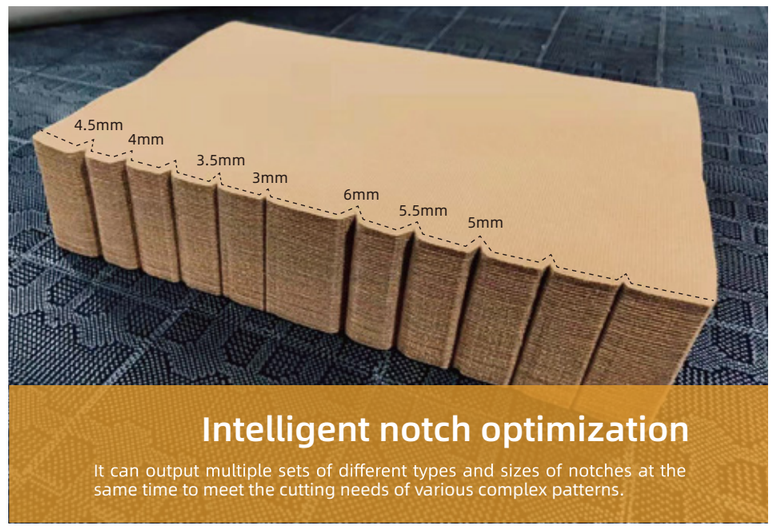
Three kinds of punching processing of different specifications can be completed at one time.

Automatic cleaning device for bristle brick

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

Floating cutterhead design

Improve the cutting accuracy of non-breathable fabrics.



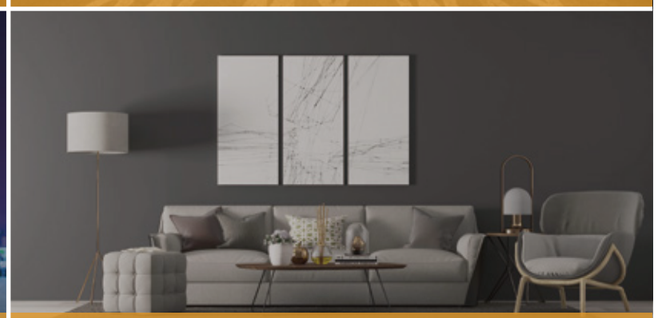
Intelligent notch optimization

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	GLSC1818	GLSC1820	GLSC1822
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	2.4*8.5mm/ 2*6.5mm	2.4*8.5mm
Effective cutting length	1.8m		
Picking table length	2.2m		
Machine weight	3.0-3.5t		
Motor power/ average energy consumption	30kw/15w 50kw/25w		
Operating voltage	AC 380V±10% 50Hz-60Hz		
Environment and temperature	0°- 43°C		
Noise level	< 77dB		
Air pressure	≥6mpa		
Maximum vibration frequency	6000rmp/min		
Maximum cutting height(after adsorption)	90mm		
Maximum cutting speed	60m/min		
Maximum acceleration	0.8G		
Cutter cooling device	● Standard ○ Optional		
Lateral movement system	○ Standard ● Optional		
Barcode reader	○ Standard ● Optional		
3 punching	○ Standard ● Optional		
Equipment operating position	Right side		

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