

# GLSC

## AUTOMATIC MULTI-PLY CUTTING SYSTEM

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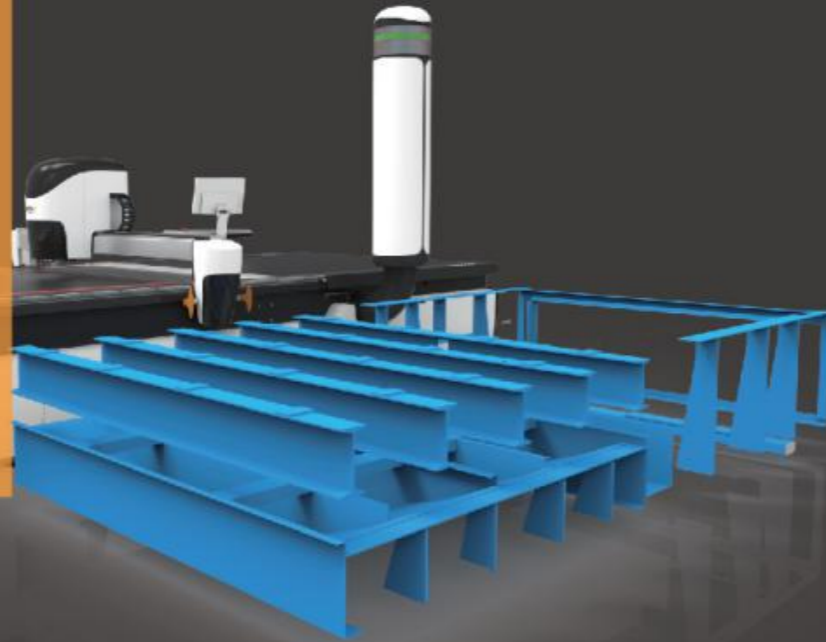
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## ONE-TIME MOLDING STEEL FRAME

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.

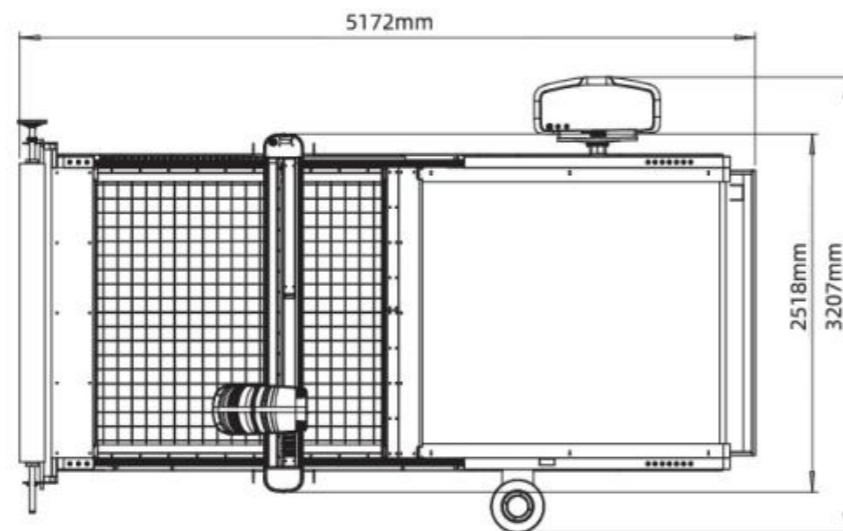
The use of stress-relieving annealing treatment, combined with later flaw detection technology, ensures that the equipment still maintains stable accuracy after transportation, high-speed operation and long-term use, and improves the service life of the equipment.



### New vacuum chamber design

The structural rigidity of the cavity is greatly improved, and the overall deformation under the pressure of 35 kPa is  $\leq 0.1$ 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%**

### Fully automatic continuous cutting function

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

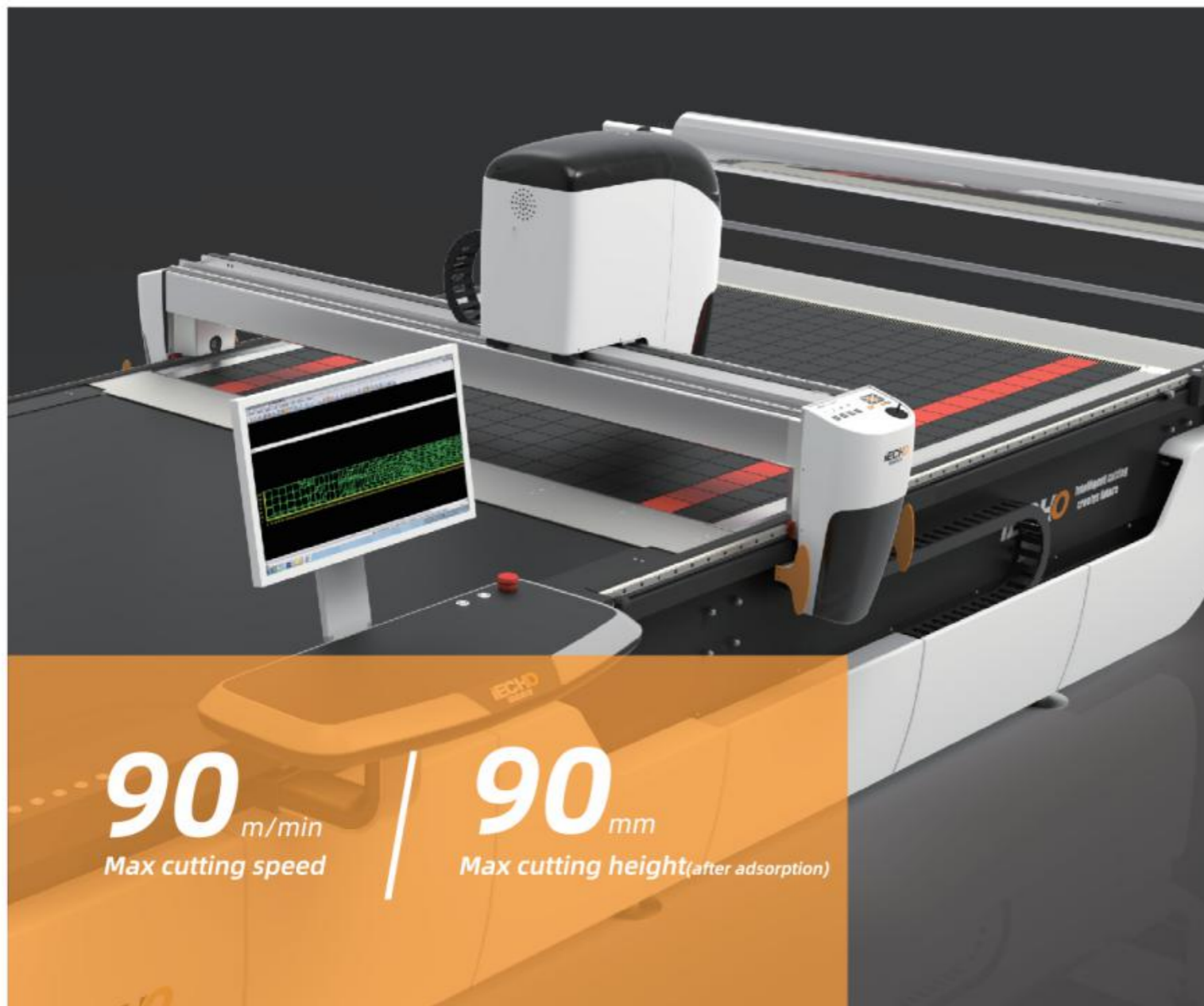
- Automatically sense and synchronize the feeding back-blowing function.
- No human intervention is required during cutting and feeding.
- Super-long pattern can be seamlessly cutting and processing.
- Automatically adjust the pressure, feeding with pressure.

### 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.







**90** 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 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.

## THE LATEST CUTTING MOTION CONTROL SYSTEM

### INTELLIGENT CUTTING AND AUTOMATIC COMPENSATION

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

### CUTTING SPEED OPTIMIZATION FUNCTION

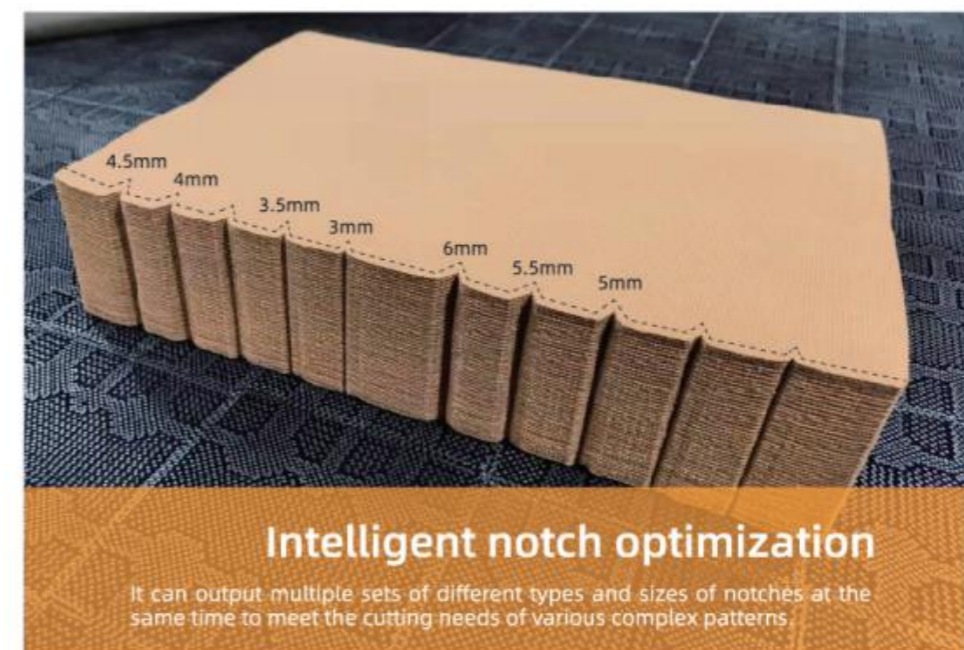
According to different cutting conditions, the cutting speed can be automatically adjusted to improve the cutting efficiency while ensuring the quality of the pieces.

### MODIFY PARAMETERS IN REAL TIME

The cutting parameters can be modified in real time during the cutting process without the need to pause the equipment.

### 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



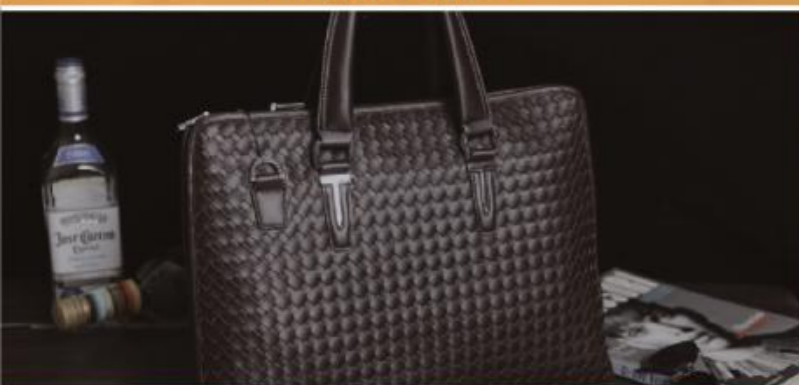
Upholstered furniture



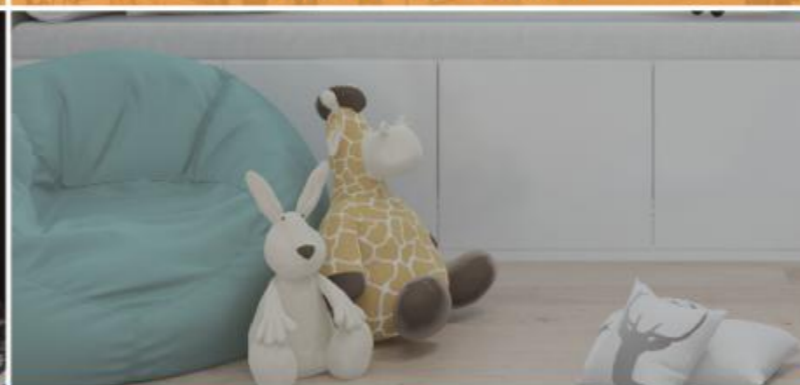
Medical supplies



Textiles and Clothing



Luggage and Handbags



Fabric toys



Outdoor supplies



Leather and Footwear

## GLSC product parameters

Machine model	GLSC1818	GLSC1822
Length × Width × Height	4.9m*2.5m*2.6m	4.9m*2.9m*2.6m
Effective cutting width	1.8m	2.2m
Effective cutting length	1.8m	
Picking table length	2.2m	
Machine weight	3.2t	
Operating voltage	AC 380V±10% 50Hz-60Hz	
Environment and temperature	0°- 43°C	
Noise level	< 77dB	
Air pressure	≥6mpa	
Maximum vibration frequency	6000rpm/min	
Maximum cutting height(after adsorption)	90mm	
Maximum cutting speed	90m/min	
Maximum acceleration	0.8G	
Cutter cooling device	<input checked="" type="radio"/> Standard <input type="radio"/> Optional	
Lateral movement system	<input type="radio"/> Standard <input checked="" type="radio"/> Optional	
Barcode reader	<input type="radio"/> Standard <input checked="" type="radio"/> Optional	
3 punching	<input type="radio"/> Standard <input checked="" type="radio"/> Optional	
Equipment operating position	Right side	

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