

iECHO
INTELLIGENT CUTTING CREATES FUTURE

SAMR
TECHNOLOGY

GLSC

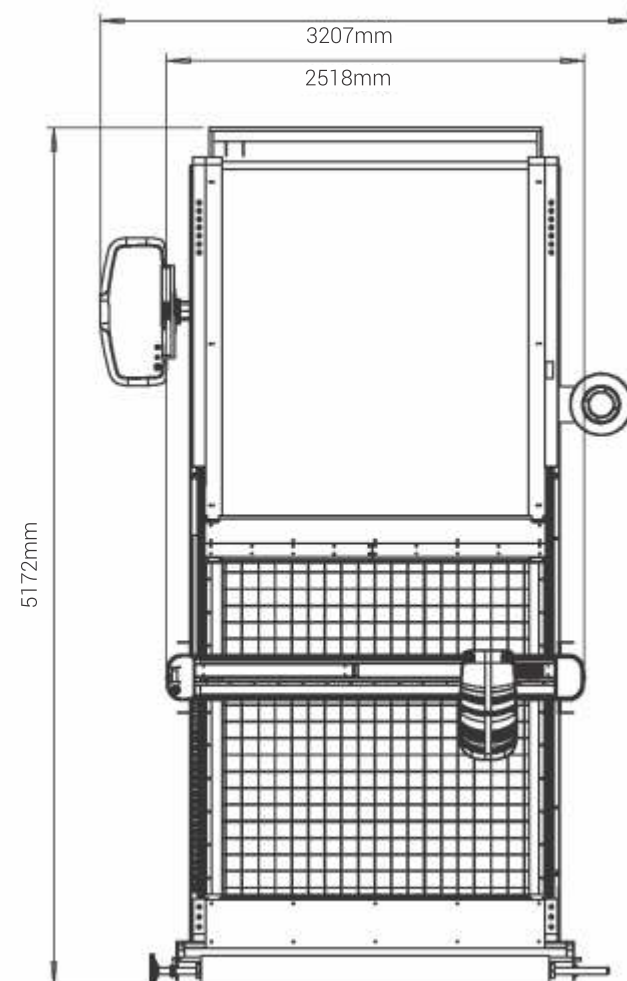
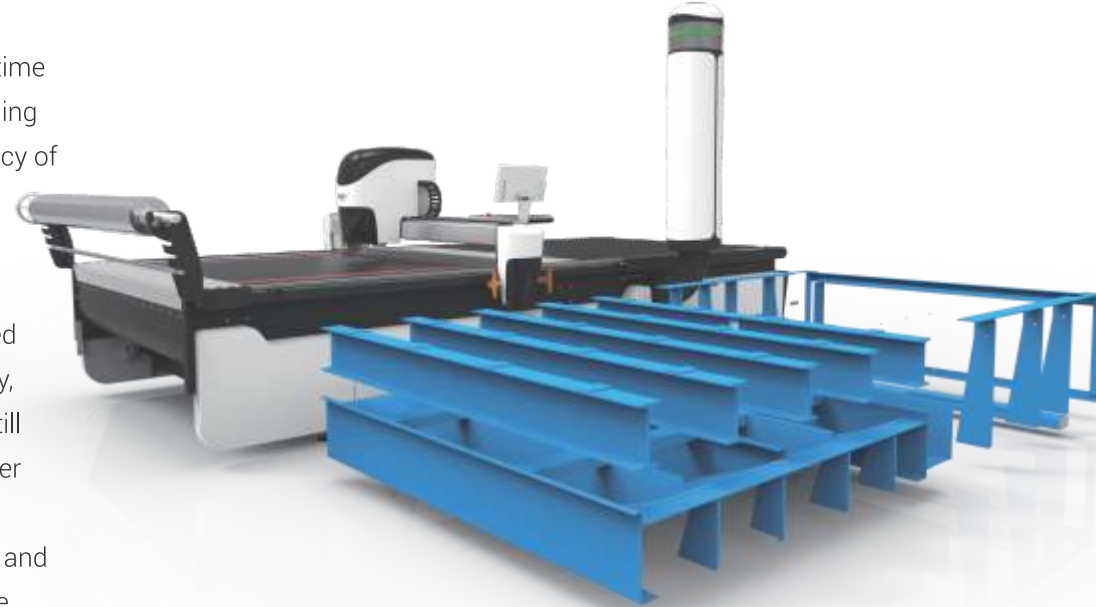
AUTOMATIC MULTI-PLY CUTTING SYSTEM



SINGLE PASS MOULDED 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 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 ≤ 0.1 mm. The cavity ventilation airway is optimized, and the VACUUM LEVEL can be adjusted quickly and intelligently during the cutting process.

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 **WITH VACUUM CONTROLLER** function.
- No **OPERATOR** intervention is required during cutting and feeding.
- **LONGER PATTERNS** can be seamlessly cut **WITHOUT LOSING BITE TIMING**.



NEW INTELLIGENT SHARPENING SYSTEM

- Made in Switzerland high-speed knife sharpening motor can automatically adjust the number of sharpening revolutions according to cutting requirements, making the blade sharper and more durable.
- Three different sharpening BELT can meet the sharpening needs of different fabrics.
- Quickly change the sharpening BELT.
- 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 BELT.





90 m/min / 90 mm
 Max cutting speed / Max Compressed cutting height

**THE LATEST
 CUTTING MOTION CONTROL SYSTEM**

AUTOMATIC KNIFE WEAR COMPENSATION

Blade measurement is automatically compensated based on amount of material removed (Knife Wear) while cutting.

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 cut 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.

HIGH FREQUENCY OSCILLATING TOOL

Maximum rotating speed can reach **6000** rpm

Even at this high rpm, GLSC's intelligent design through the optimization of dynamic balance,

- REDUCE noise during equipment operation.
- The cutting ACCURACY is guaranteed.
- The service LIFE of the machine head is increased.

The high-frequency vibration blade is made of special material and process making it more solid so as to avoid deformation during the cutting process.

KNIFE COOLING DEVICE

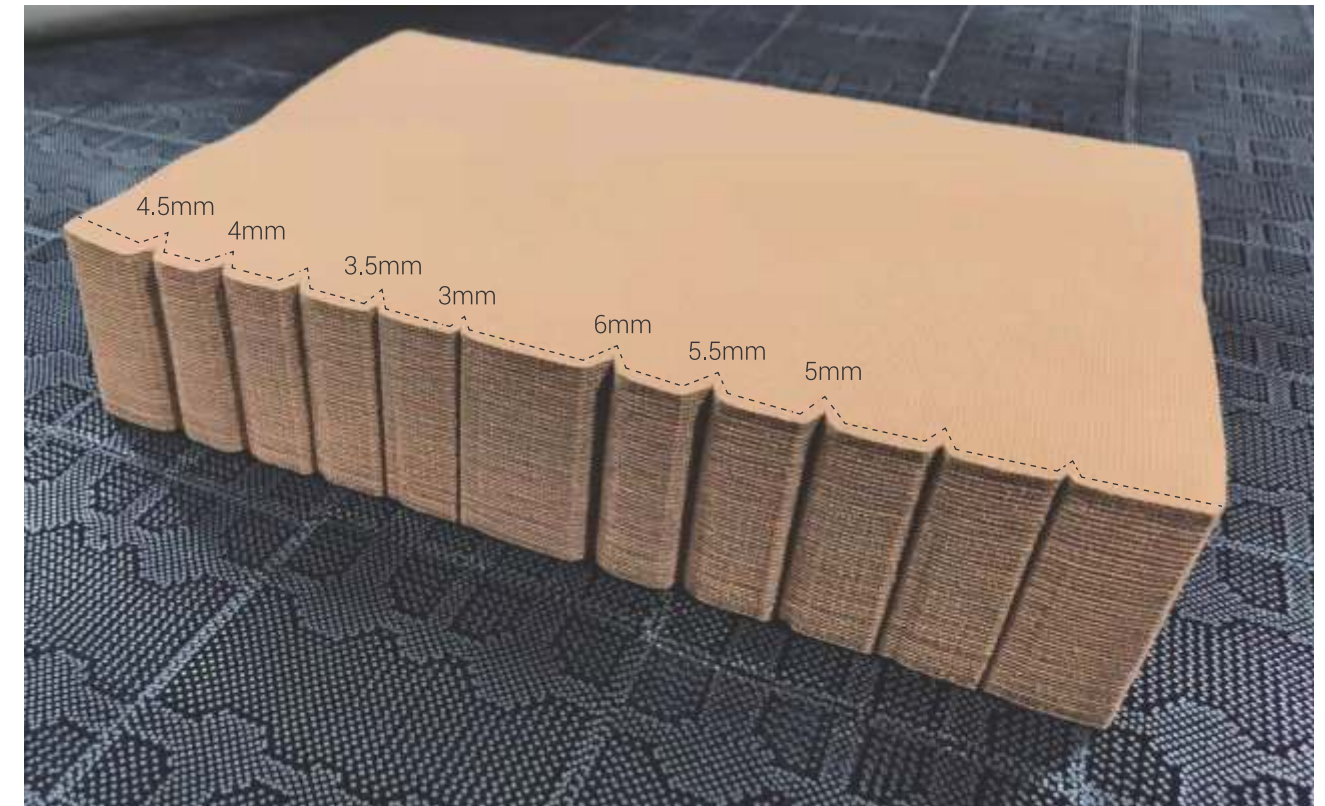
Reduce the fusing of special fabrics in the cutting process.

TRIPLE DRILL

Three different diameter holes can be completed at one time in single pattern.

AUTOMATIC BRISTLE BED CLEANING DEVICE

The automatic bristle cleaning device always keeps the equipment in the best state of suction there by improving the cut quality.



INTELLIGENT NOTCH OPTIMIZATION

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	
Triple Drill	<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.



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