

# intelligent cutting creates future

Multi-layer cutting and mass production.

Automatically adjust the pressure, feeding with pressure.

—



**GLSC**

Fully automatic continuous cutting function

Authorized Distributor:

**DIGITAL STAR QATAR**  
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# Source of Digital Solutions...

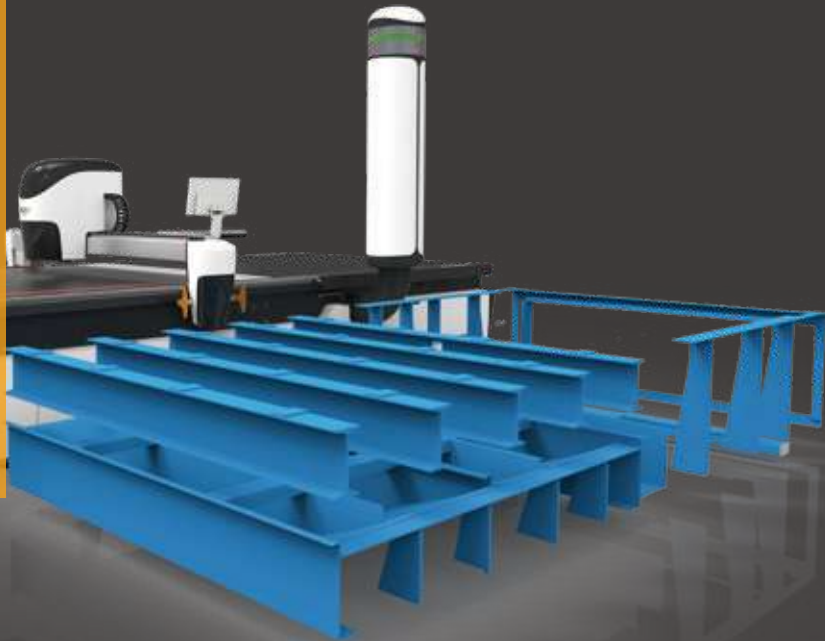
Digital Star Qatar has been leading the digital scene in Doha for over 10 years, as suppliers and distributors of signage, advertising and LED solutions. Our commitment to providing the best quality machinery and top-notch technology from around the world has enabled us to set new and improved standards in sign and digital printing industries. DSQ has developed into a true trendsetter and a reliable destination for customers seeking exhaustive custom and wholesale solutions. From sign makers, digital print houses, POS/POP makers, retail fit-out companies, to exhibition stand builders, construction companies and glass and aluminum fabricators industries, we promise to take your business to unprecedented levels



# 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.

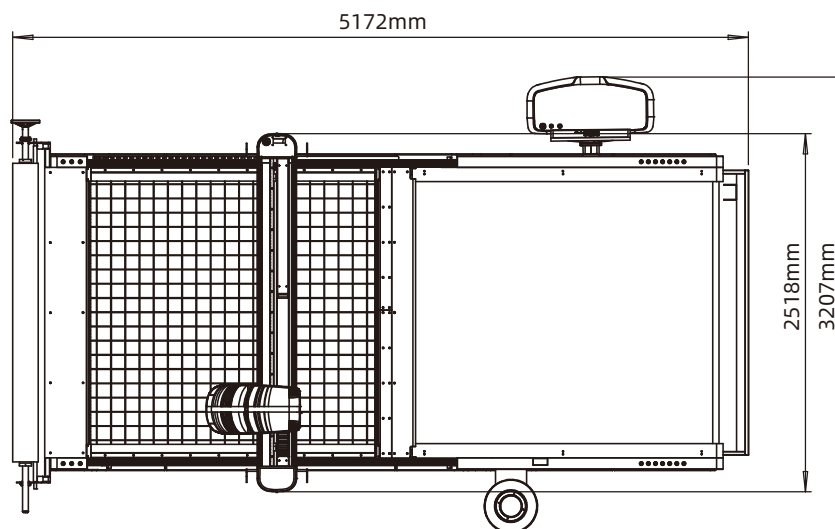
The use of stress-relieving annealing treatment, combined with later flaw detection technology, ensures that the equipment still maintains stable accuracy after transportation, high-speed operation and long-term use, and improves the service life of the equipment.



## New vacuum chamber design

The structural rigidity of the cavity is greatly improved, and the overall deformation under the pressure of 35 kPa is  $\leq 0.1\text{mm}$ .

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

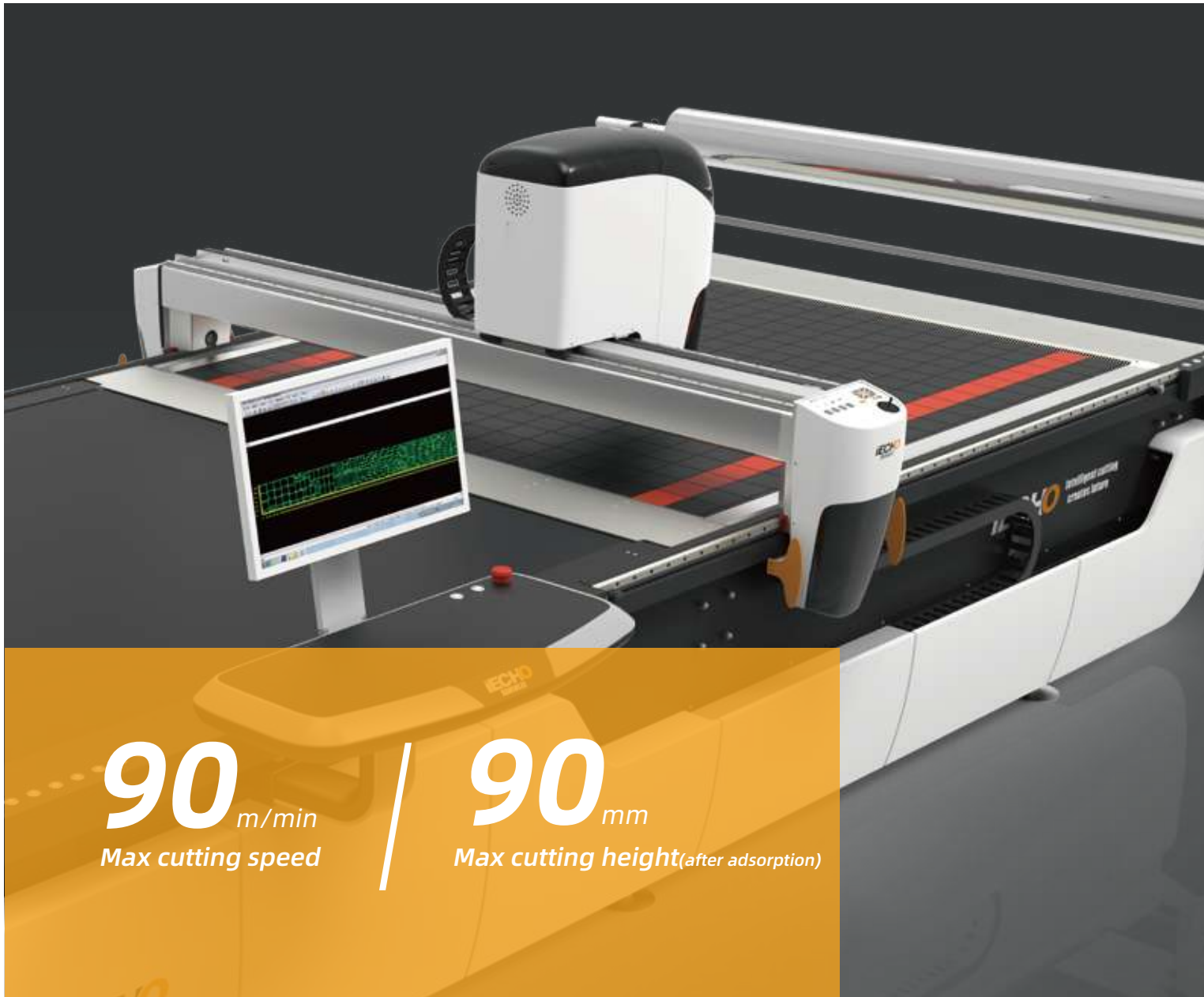
The overall cutting efficiency is increased by more than **30%**

- 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

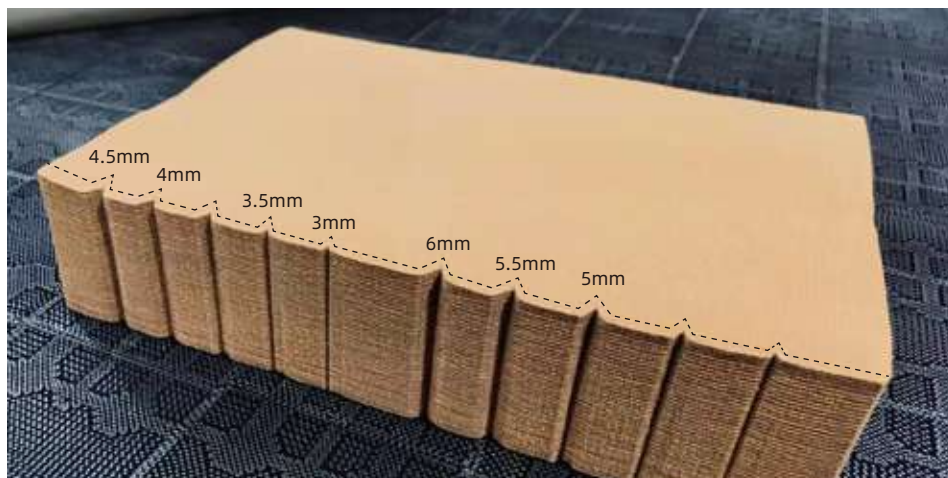
According to different cutting conditions, the cutting speed can be automatically adjusted to improve the cutting efficiency while ensuring the quality of the pieces.

## 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.

# APPLICATION INDUSTRIES



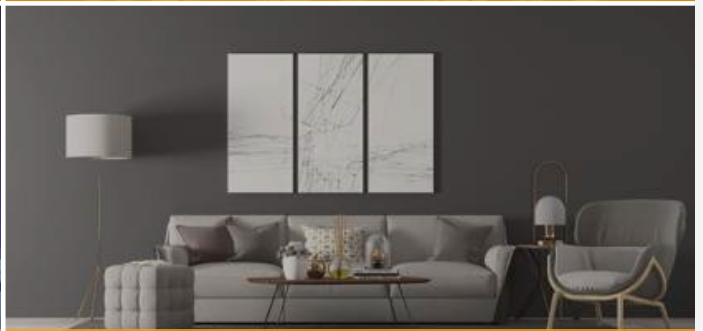
Automotive



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	4.9m*2.5m*2.6m	4.9m*2.7m*2.6m	4.9m*2.9m*2.6m
Effective cutting width	1.8m	2.0m	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	● 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.



## Terms and Conditions

1. Payment to be made in QR currency.
2. Payment Terms: As mentioned in Quotation.
3. Bank Details:

Bank Name	Branch	Beneficiary Name	Acc #	Swift Code
Qatar Islamic Bank	Al Khour Branch	Digital Star Qatar	0111453200015	QISB - QAQA
IBAN: QA16QISB000000000111453200015				

4. Bank Charges: Any bank charges relevant to the above transactions will be to your account.
5. Any charges, duties, taxes or levies at the ports of entry will be to our account.
6. The charges of loading, boarding and local conveyance of the technician will be to our account.
7. Any required electrical, mechanical and civil site preparation should be done by the customer according to our engineer's requirements.
8. Digital Star Qatar will not be held responsible for delays caused by any damage in the equipment due to shipment, unloading accidents and any related reasons, which is beyond our control.
9. The warranty will be 12 months from the date of installation from Digital Star Qatar. Wear and tear, consumables are exempted and warranty can be claimed only if you use the Services and Inks from Digital Star Qatar.
10. Service will be free of cost within 12 months from the date of installation.
11. Any claim will be invoice directly to you then we will send for claiming procedure which will take 45-60 days, if the claim got approved credit note will issued directly.
12. Delivery: As mentioned in quotation

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