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MÁY TRUNG TÂM CNC KHOAN-KHOẾT-MÀI KÍNH 5 TRỤC 2 CHIỀU DẠNG ĐỨNG GLASSMAN

SPECIFICATION CONTENT

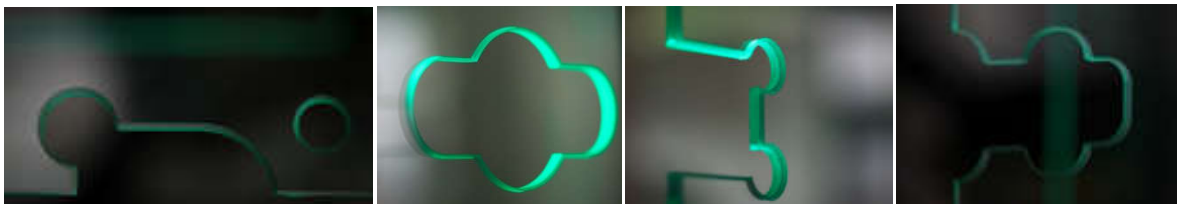
CNC VERTICAL DRILLING, MILLING AND GRINDING MACHINE GM-BZX-VI

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CNC Vertical Drilling and Milling Machine - GM-BZX-VI 2542

I. Description:

GM-BZX-VI is a CNC vertical working center with high technology. It can perfectly perform complicated working in short time, and the processed sheet is of high level which realized to obtain a CNC machine with smallest investment.

The CNC working center applies numerical operation and control system to achieve dynamic management of each axis and speed precision control. So the shape is of precision and the processed sheet is of high quality. It is a CNC vertical drilling and milling machine to process simple and complex drawing and featured by the most advanced technology. It is a solution to the requirement on processing precision, high speed and ease operation.

GM-BZX-VI can automatically process complex drilling, milling and arrising function on large flat glass. When the glass was loaded on the feeding rack, the machine begins to execute the



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prepared program on drilling, milling, arrising etc.

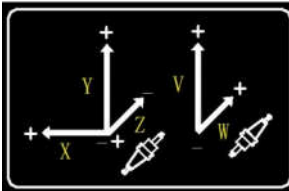
The flexibility of the control system can meet the requirement of different products, the whole work is finished automatically. This machine is suitable to process structural glass (Frameless door, glass curtain wall etc.) The function including:

- Drilling by two opposite spindles;
- Milling by single router;
- Arrising

1.1 Structure

GM-BZX-VI is a vertical glass-working machine; with all the main part protectively covered. The structure is convenient to load and unload the machine and occupied less area. It also can reduce the obstruct and easy to process the glass sheet, or even advantaged to the coolant water system.

The main part is welding structural steel, driven structure of Y and V axis is installed on the double bridges.



X, Y,V, Z, W linear axis are driven by high precision ball screw and slip on the linear slide way. X -axis controls the glass forward or backward, Y and V axis control the up and down movement of the two Spindles, Z and W axis controls the spindle to take or release the tool.

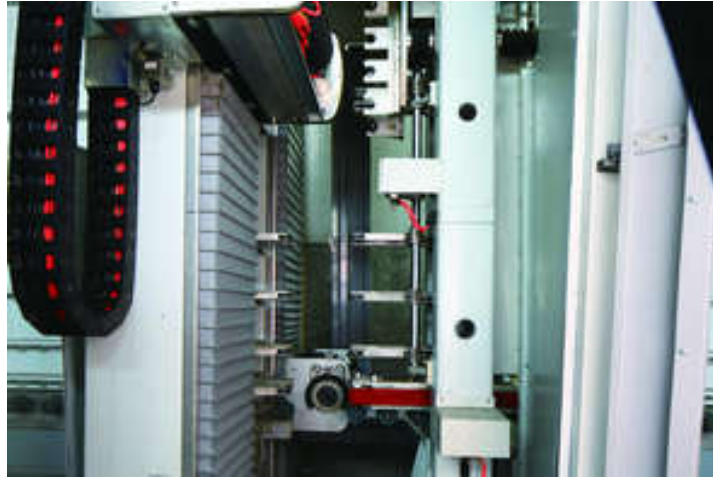
Advantage of this structure:

- High acceleration thanks to the rigid structure;
- High-quality production thanks to the high-precision Taiwan ABBA ball screw;
- With low abrasion, the machine maintains high quality after using many years.
- The motive parts are lubricated by the central lubricating part oil pump (Brand: Zhejiang Liubian).
- Guide shed are applied around the main part of the machine. Standard is made from cold plate plastic spraying frame or PC board with Aluminum frame. To observe the working conveniently, two doors are provided in front and at the back of the guide shed. (Please look at the following pictures for your reference)



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1.2 Glass fixer and Y, V-axis



The glass fixer during glass processing:
In order to ensure all the glass processed on the same level during working, Glassman engineers designed the accessory device to fix the glass. It can choose the fixed area automatically according to the size of the glass.



Glassman engineers designed double Y and V axis structure. Rigid structure make sure the high acceleration; Japanese servo motors drive the ball screw and slide way of the double Y and V axis to perfectly resolve the homocentric and exact location problem.



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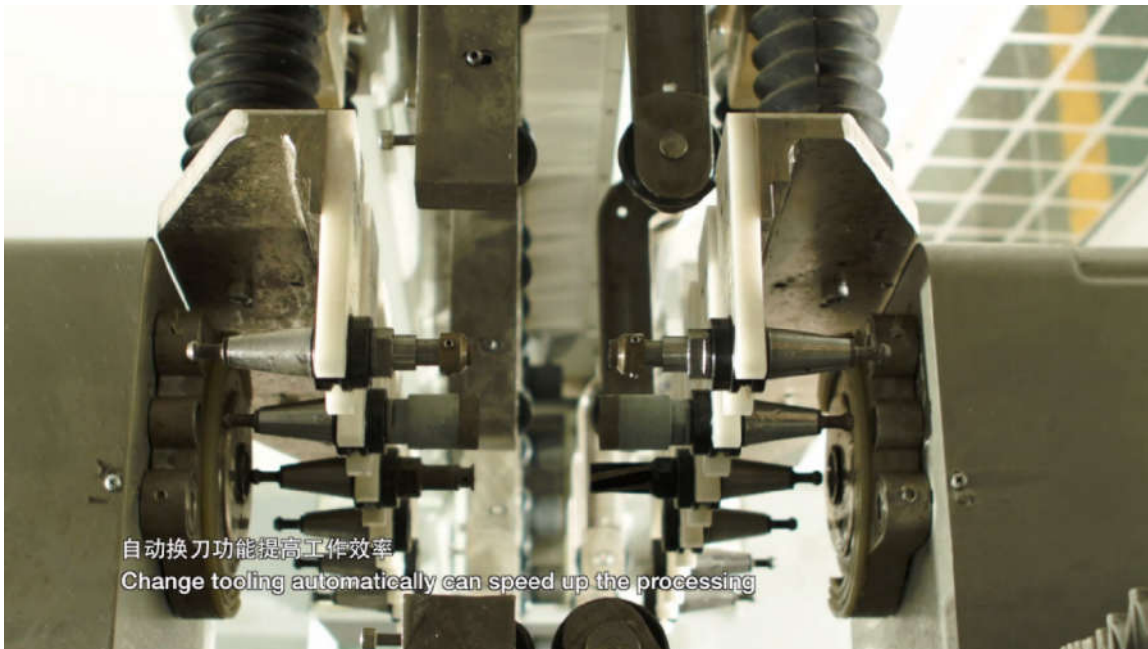
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Clamp

The new clamps will be much more strong than before! Especially for the small Glass and parallelogram-shape glass.



1.3 Tool Store



GM-BZX-VI equipped 6+6 BT30 tool positions, which are located on left and right equally. You can take different tools according to your requirement to achieve complex working.



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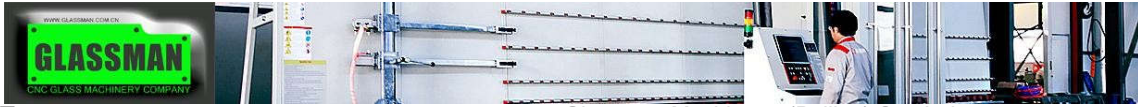
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1.4 Electro-spindle

As the main part of the machine, the electro-spindle of Glassman Glass-working Center has the following specialty:

- The motor of spindle has the maximum constant torque output, the output power is 7.5 KW, the torque can reach 25 Nm even the speed is 12000RPM! High torque output improves the processing speed and enables to use the wheel with large diameter!
- The highest rotating speed can reach 12 000RPM
- Applying electro-spindles with high-precision structure is popular in the world. Reduced volume and weight of the motor structure reduce the motor's inertia after high-speed rotating and improved the moving speed of the working center. Spindle locating and run smoothly.
- Achieved the inner water coolant of the tools through the center of the spindle. The coolant function is highly improved by the inner water of the spindle. The inner coolant should be clean, and *tools with inner coolant holes* are required when drilling and milling.



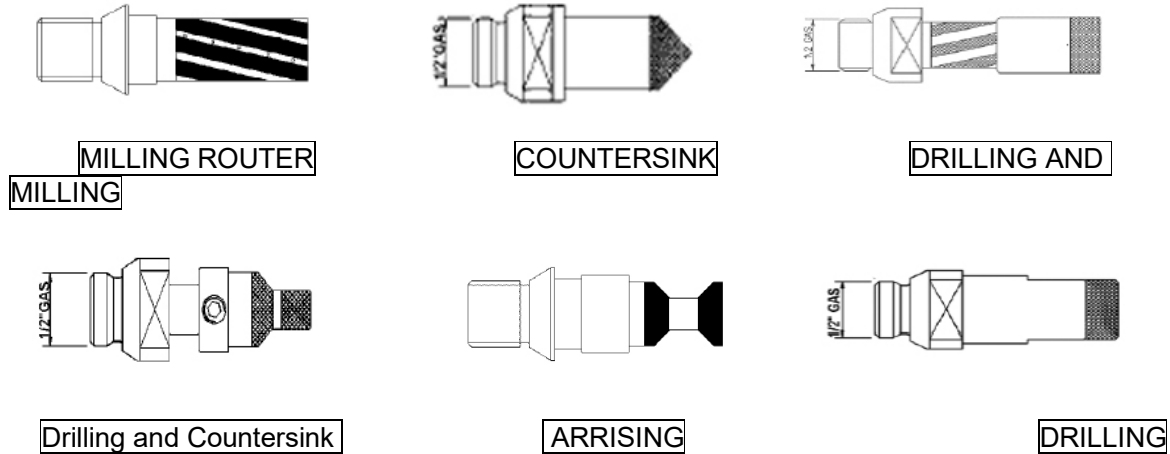


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1.5 Type of tools

According to different kinds of the tools, Glassman engineers designed different processing models.



1.6 Numerical control

With professional numerical control system and PC Windows intergrated in the numerical center, it is extremely simple to operate the machine.

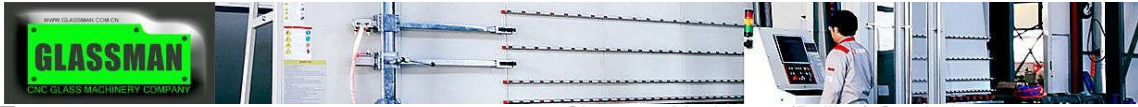
The main features of the system:

- When the machine is working, the operator can edit program on the PC.
- Simple and ease picture interface.
- Equipped with CD-COM Drive and USB drive, enable the machine store and transmit conveniently.
- Equipped with the keyboard and mouse
- Support the functions of drilling, milling, arrising;
- PC can connect to Internet;
- 15# Colorful screen display;
- After self-defination processing, offering sub-programm interface;
- Processing situation can be shown during processing;



Main function:

- Picture shown the control on the speed of spindle;
- Show the working pressure.
- Show the current and total working time
- Picture show the processing route of the tool;
- Available to store the relative information of the tools;
- Words show the working information of the machine.
- Description of diagnose of the input/output signal



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- Available to operate CAD/CAM when the machine is working
- Available to enter the relative data of the processing.
- Available to do parameter setting.

1.7 CAD/CAM software

To operate the machine more smart and ease is one of the evident features of the CNC system. Glassman always focus on the program system, and established the software department to design and develop the software.

SUPER CAM drawing software can execute on Windows XP system or any other updated system. The software is easy to learn and use. The functions enable the drawing and working process easier.

The shaped drawing should be created by CAD or any other CAD system (such as DXF under AutoCAD), then transfer it to the control system.

Main features include:

- Predefined assemble picture, dialogue set drawing diameter, creating processing program automatically;
- Available to do Automatic testing processing feasibility;
- Processing information management: Using database to manage the processing drawing, which is convenience to check the history record;
- Tool route optimized software.
- Adjust the processing speed automatically, according to the different radius of arc.
- The installation CD and key are supplied with the machine.

1.8 Electric system:

According to European CE certification, the electric cabinet is separate from the machine. The connector of the electric parts are waterproof. There is a cooling fan in the electric cabinet. All the spindle and the servo-motor of each axis are without carbon brush.

Standard voltage is 380V/50HZ, it is flexible according to different requirement.





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1.9 Coolant system

The loop of coolant mainly to cool the wheels. The loop includes 170 litres stainless steel water case and cycle water pump.

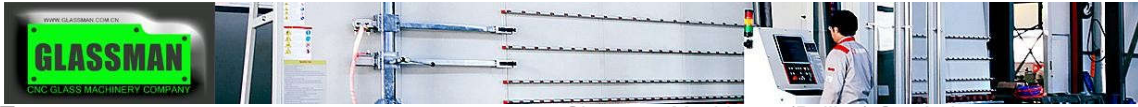
1.10 Lubrication System

Progressive Lubrication System takes place of Damping lubrication system. Capacity of lubricating is much better than before.



II. Technical parameters (GM-BZX2542-VI)

Max. glass	: 2500*4200mm	Min. Processed Glass	: 500*500mm
Glass thickness	: 5-30mm	No. of axis	: 5 axis
Installed power	: 18KW	Spindle power	: 7.5KW
Speed of Spindle	: 0-12000 r.p.m	Tool changer	: 6*2
Machine Dimension	: 97000*2500*4380mm	Weight	: 5800Kg



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III. Price and optional part

General Construction Components (Standard)				
Main body	Structural welding steel, welding with Co ₂ gas shield; heat processing		1 set	
Control System	Mitsubishi system from Japan, the major electronic parts are taking world well-know brand, such as Siemens and Schneider		1 set	
Electro-Spindle	Professional and specialized for glass grinding Made in China,0-12000r.p.m 7.5KW		2 pcs	
Software	Glassman-Super CAD/CAM		1 set	
Tool Holder	BT30-1		12 pcs	
Broaching Nut	ISO07388/2 LDA30		12 pcs	
Servo Motor	Mitsubishi (Japan) absolute value encoder		5 pcs	
Transducer	Yaskawa (Japan)		2 pcs	
Water Pump	Made in Taiwan		1 pcs	
Central Lubricating System	To lubricate the moveable parts of the machine. Brand:Zhejiang Liubian.			
Slide Way	Hiwin (Taiwan)			
Ball Screw	Hiwin (Taiwan)			
Water Tank	Stainless steel		2 pcs	
Spindle Tool	Tool used to reparaire spindle			
Tool Store	Automatic tool changing with total 12 positions			
GM-BZX-VI (2530)				
Optional Items (suggest to choose the items with mark ☆ ')				
Item	Specification	Price	Quantity	Choice
☆1. Software	Glassman-Super CAD/CAM	\$4800	1 included	■
☆2. Tool Holder	BT30-1	\$250	12 included	■
☆3. Broaching Nut	ISO07388/2 LDA30	\$18	12 included	■
Trading terms				
Delivery	CIF Vietnam. INCOTERMS 2000			
Packing	Standard ocean packing, the cost is included			
Transportation	By 40 HQ container with expenses at buyer' s charge.			
Payment & delivery	30% prepayment, 70% before delivery, delivery time would be 60 days. * All the prepayment shall be effected by T/T, the balance shall be effected by T/T or irrevocable L/C at sight.			
Guarantee				
12 months since the date of shipment, not including tools, normal wear parts and/or incorrect operation and/or purposive destroy by some people as well as force majeure.				



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IV: Installation and training

4.1 General Principle

- Qualified GLASSMAN & PHU SON technicians take charge of the installation and training, which should be done within common working days.
- During the installation and training, the trainee should offer close assistance.
- According to GLASSMAN requirement, the buyer should offer electricity, coolant water and compressed air.
- GLASSMAN technician would arrange the connection of the coolant water and compressed air. Buyer should arrange electric technician to connect the main power;
- Buyer should offer the crane and fork truck and relative operator;
- Thickness of the ground base should be 6 inches. This is enough.
- Any requirement to prolong the installation and training from the buyer, should be paid according to the standard as agreed by the buyer and seller.

4.2 Detailed principle

4.2.1 The buyer shall pay the travelling costs, which including round-trip airplane tickets, hotel, food and local traffic.

4.2.2 Installation and training charges: \$120USD/day/person besides all the costs motioned in 1. This is included in the quotation!

4.2.3 Working days: The engineer should work from Monday to Friday. Eight hours per day!

4.2.4 Living standard for the engineers:

- 1) Hotel requirements: standard business hotel, with independent bathroom, shower is available, cleaning, middling level on local
- 2) Internet: Internet is necessary for the engineers. They would do technical communication and work report with Head Office. If there is no internet in the hotel, the buyer should prepare one movable wireless card for the engineers.
- 3) Three meals a day, breakfast, lunch and supper. In case of the hotel does not including food, the buyer shall provide \$80USD/person/day
- 4) The buyer shall provide the local traffic, in case of by taxi, the buyer shall pay the costs

***GLASSMAN saves the right to optimize the above technical issues without prior notice.**

V: Pictures of real machine and products:



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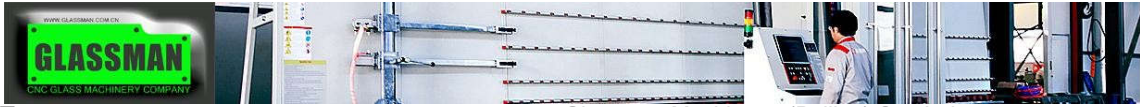




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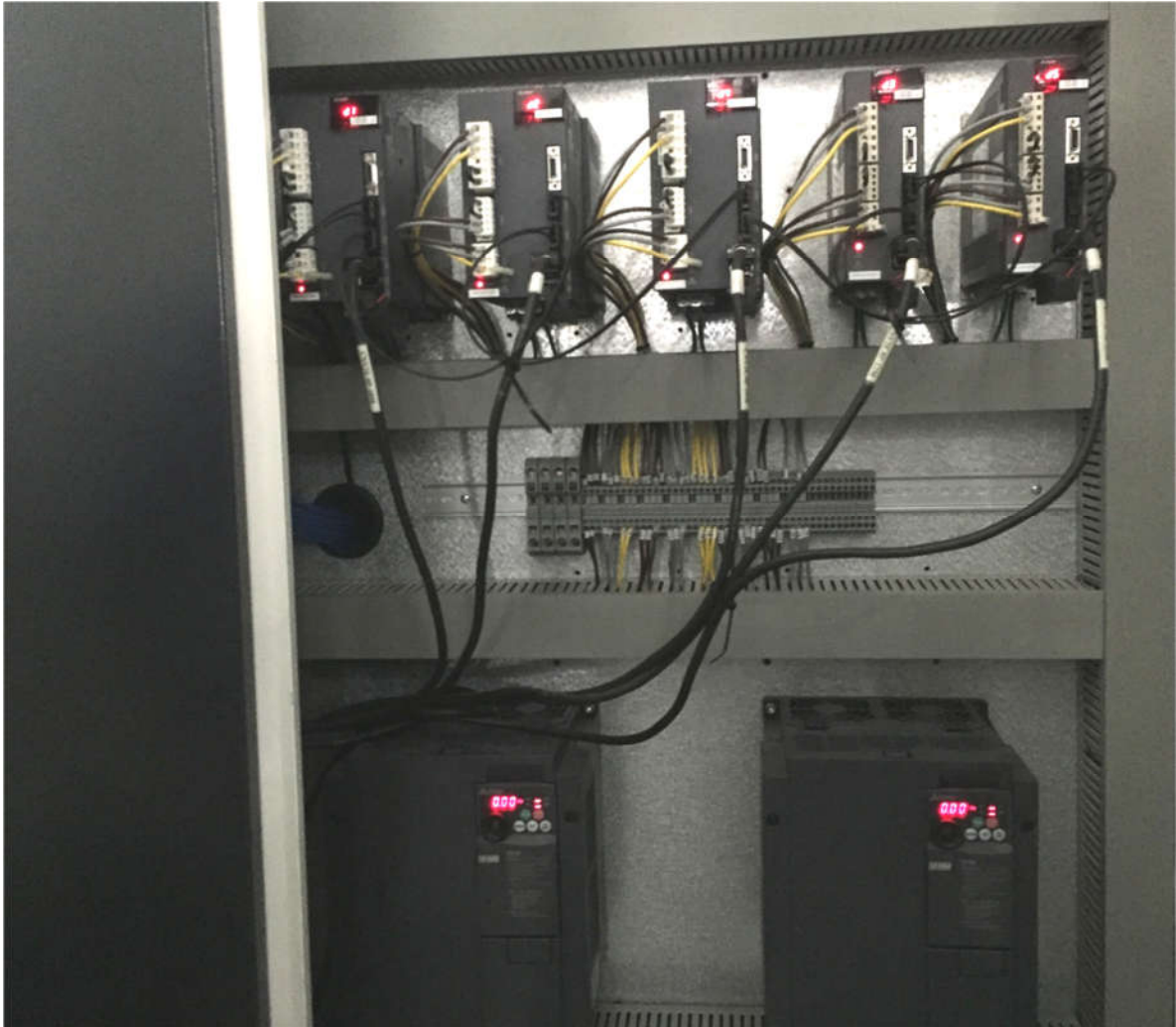
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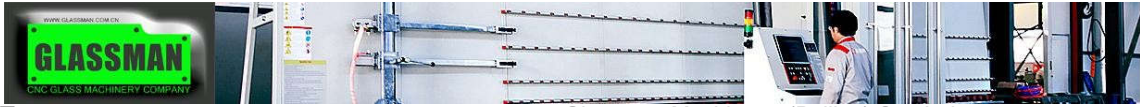




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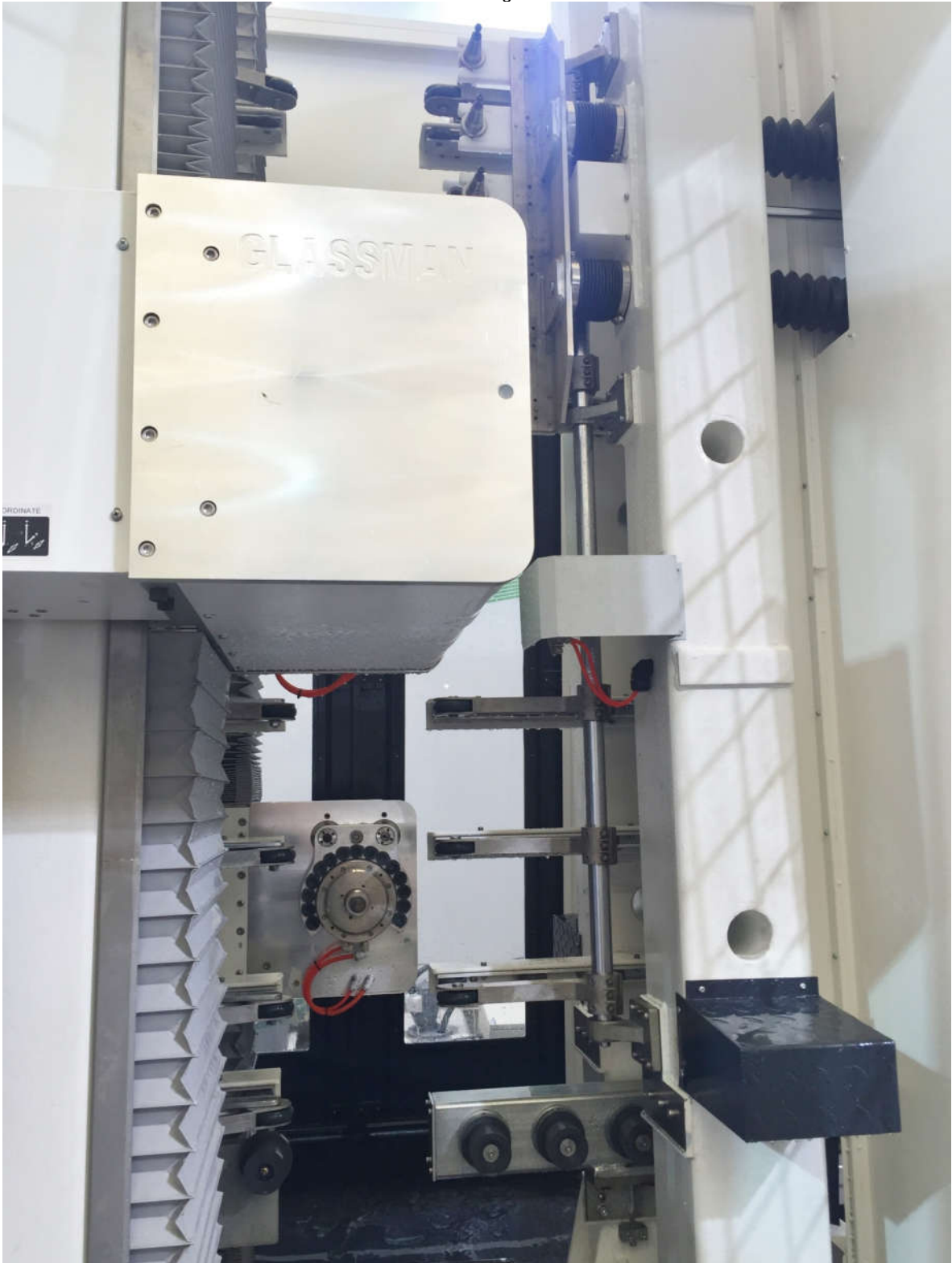
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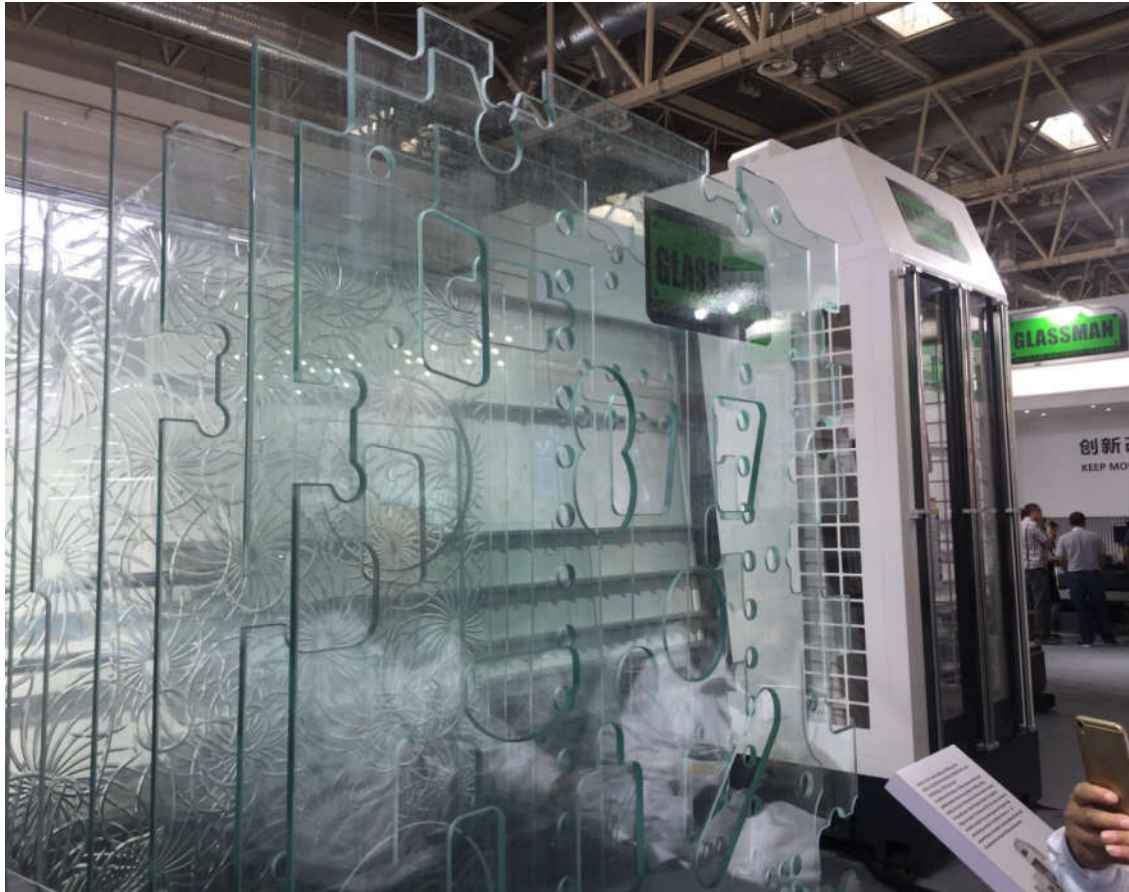
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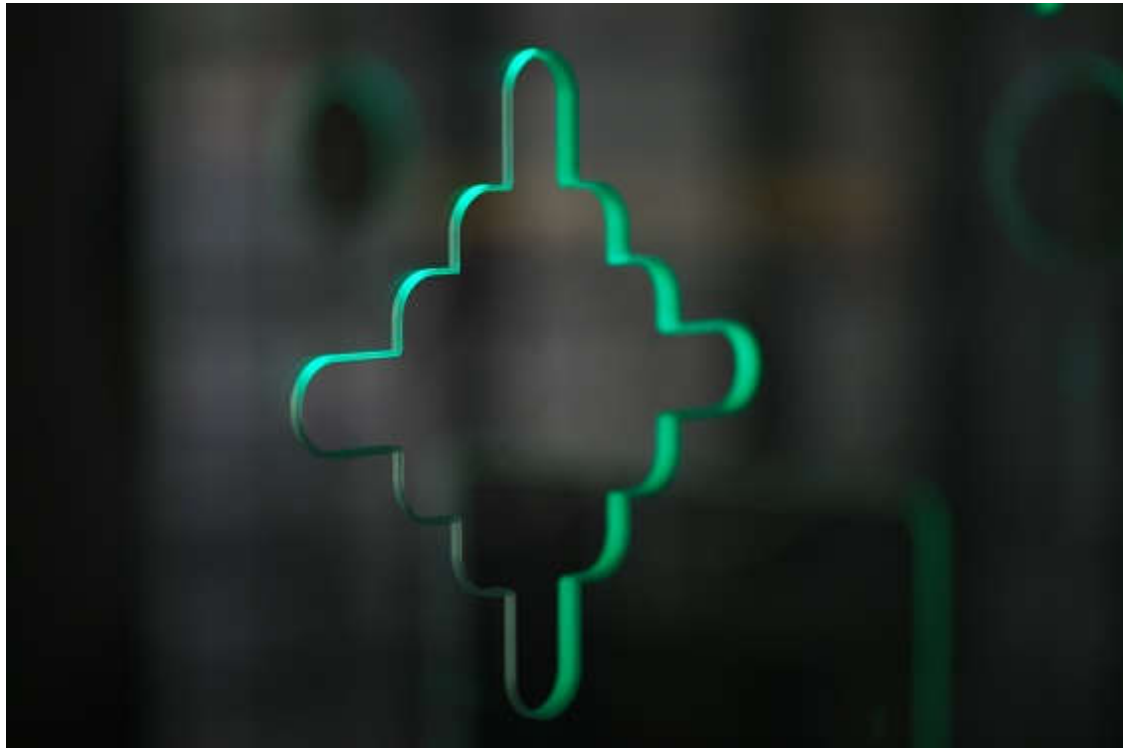
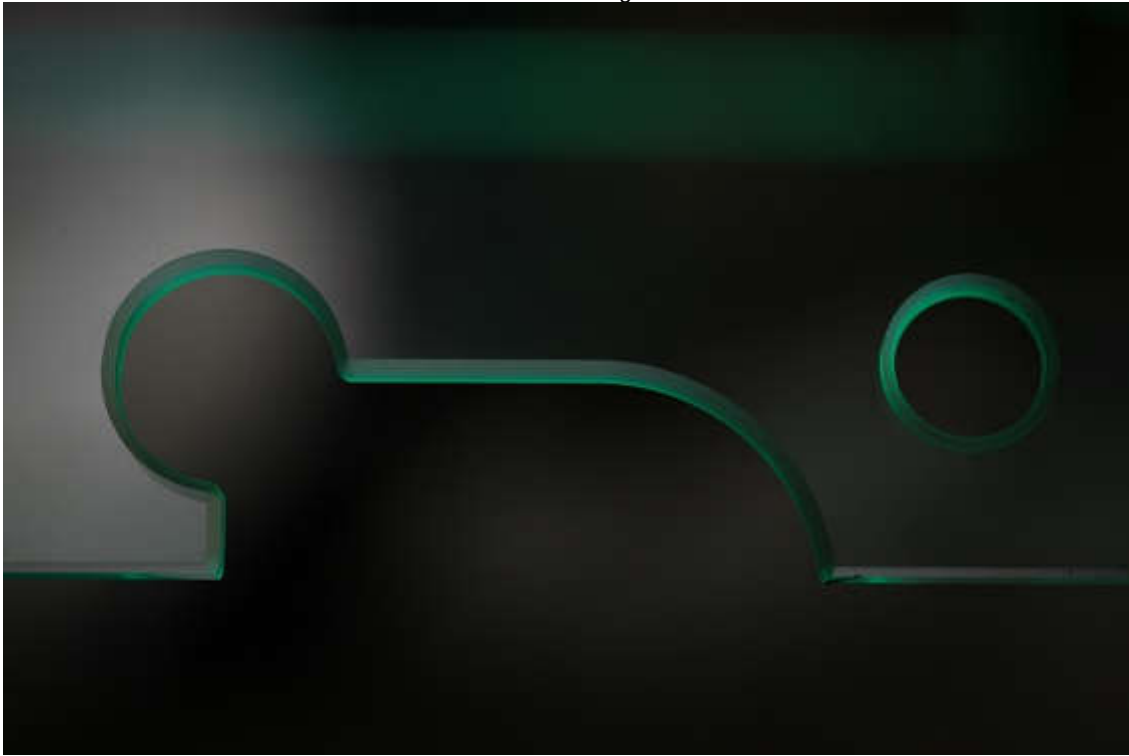
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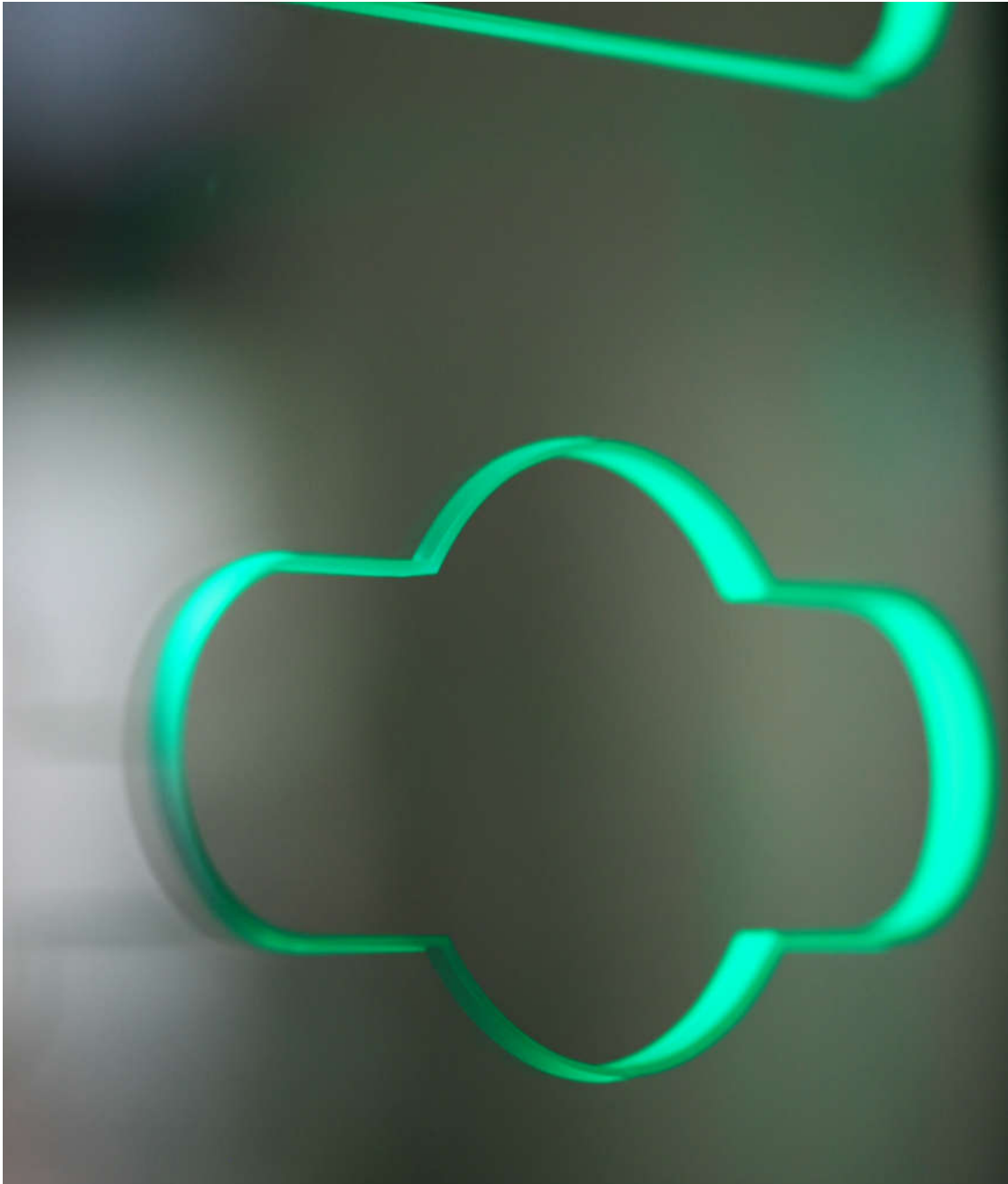
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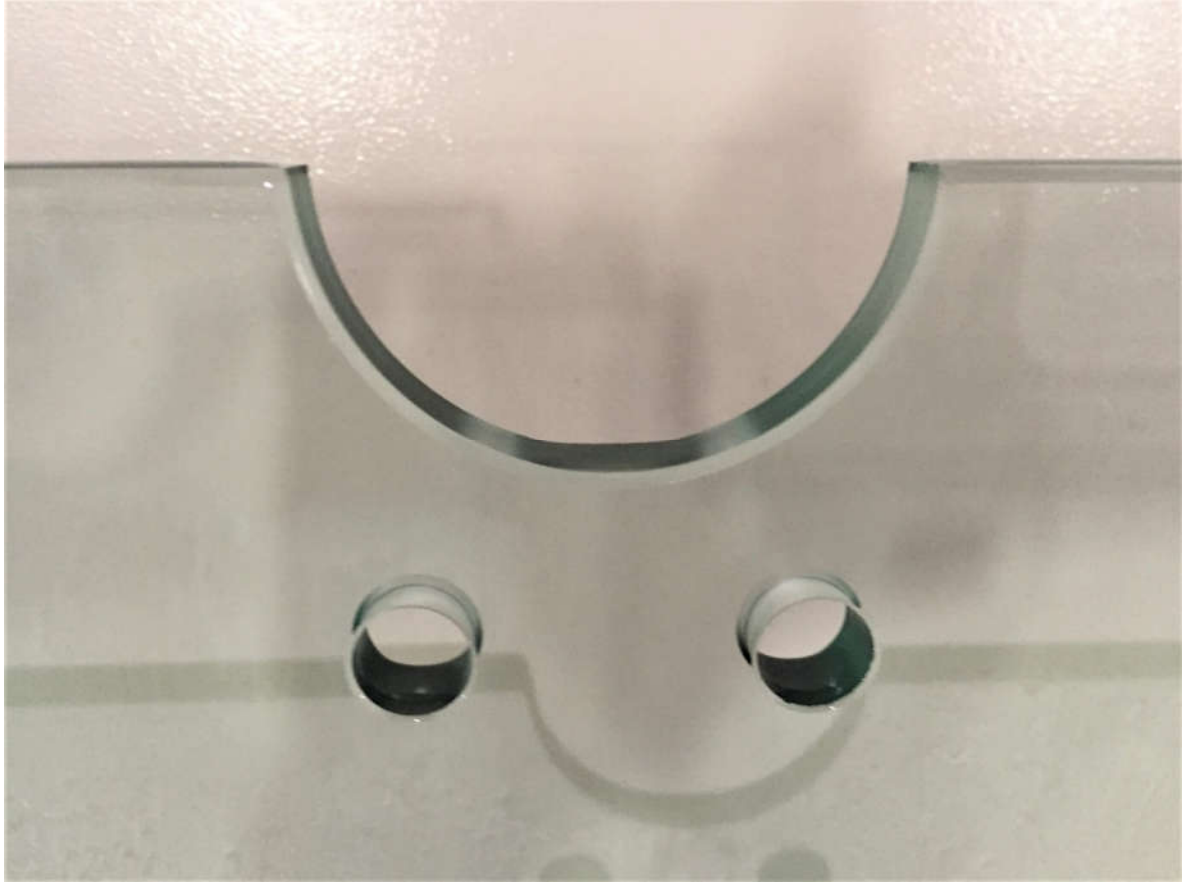
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Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn





To :
Tel :
Add :

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Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn

Hình ảnh Máy trung tâm CNC 5 trục 2 chiều dạng đứng GLASSMAN này PHU SON Corporation đã lắp đặt và chuyển giao tại Việt Nam:

Hình ảnh Máy trung tâm CNC 5 trục 2 chiều dạng đứng GLASSMAN tại nhà máy EUROWINDOW:





To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn

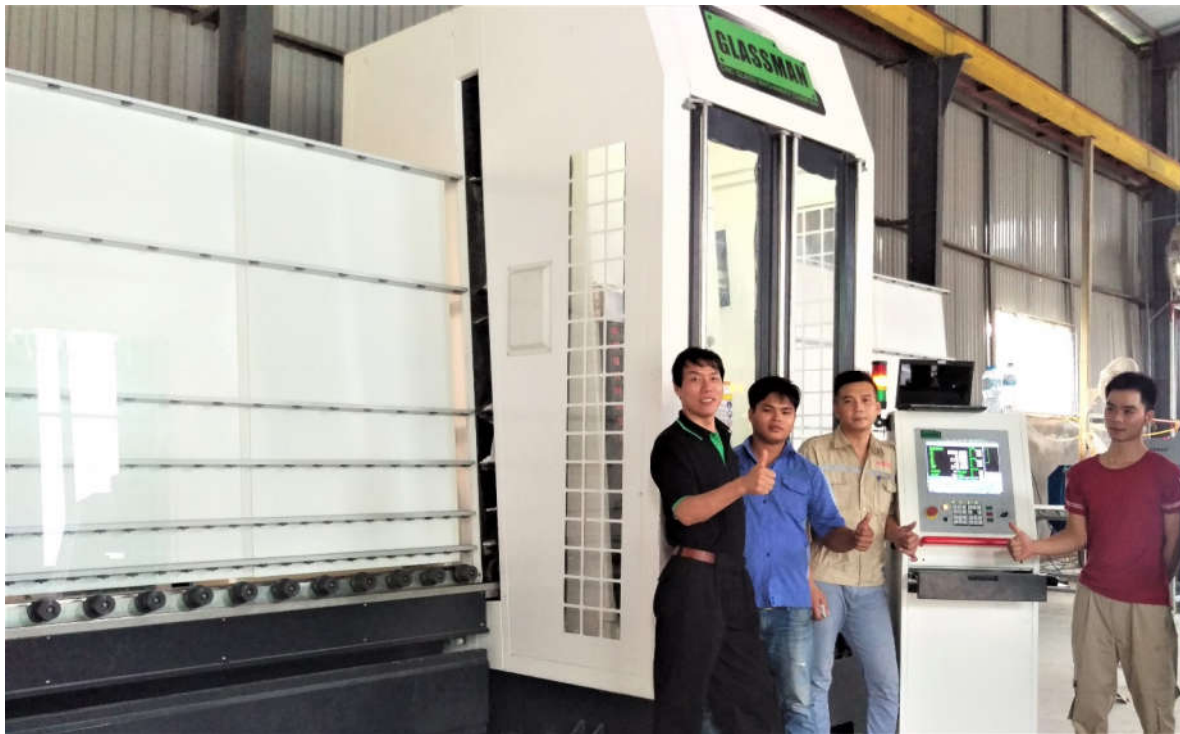




To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn

Hình ảnh Máy trung tâm CNC 5 trục 2 chiều dạng đứng GLASSMAN tại nhà máy BTV GLASS:





To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn

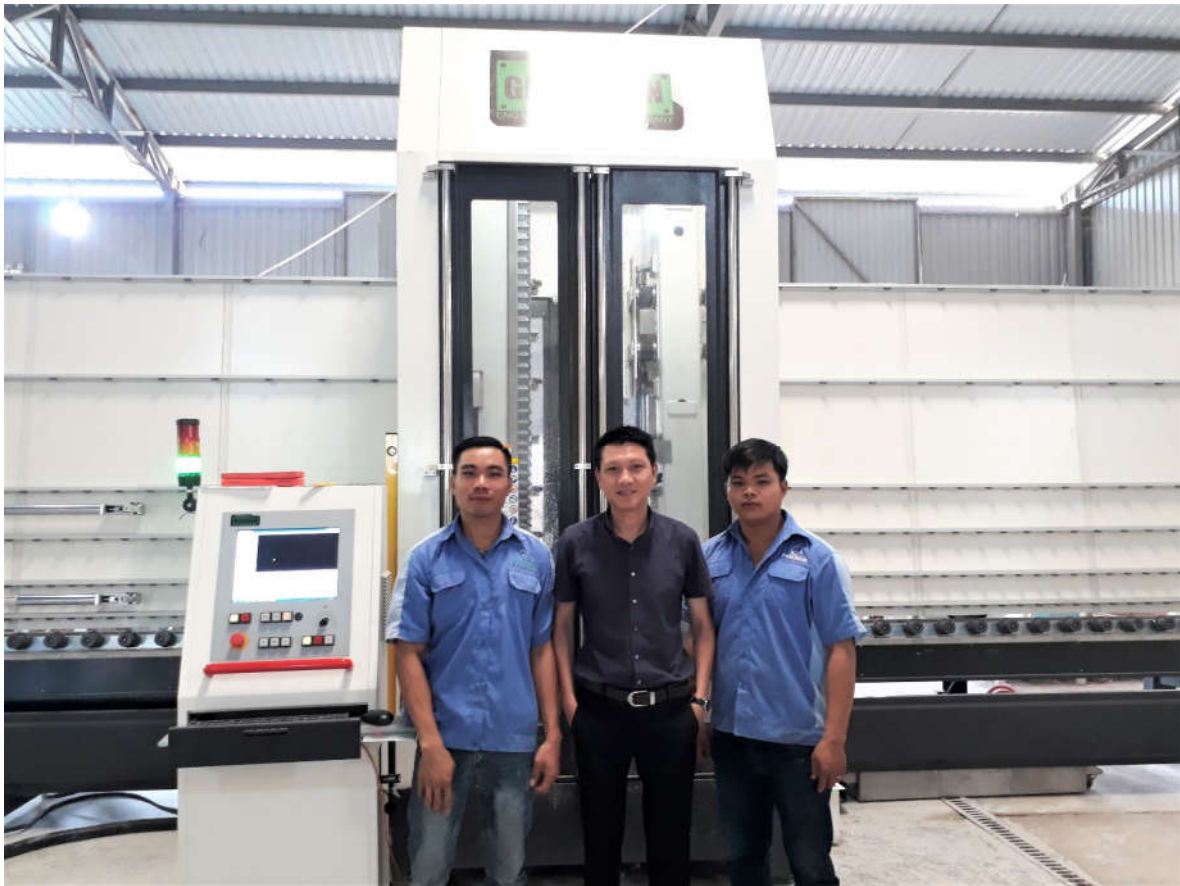




To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn

Hình ảnh Máy trung tâm CNC 5 trục 2 chiều dạng đứng GLASSMAN tại nhà máy LOC THO GLASS:

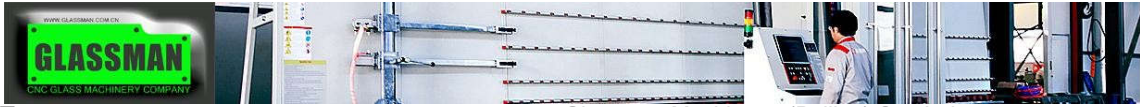




To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn



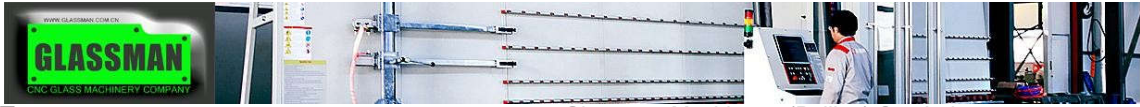


To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn

Hình ảnh Máy trung tâm CNC 5 trục 2 chiều dạng đứng GLASSMAN tại nhà máy VINH KHANG GLASS:





To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn





To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn

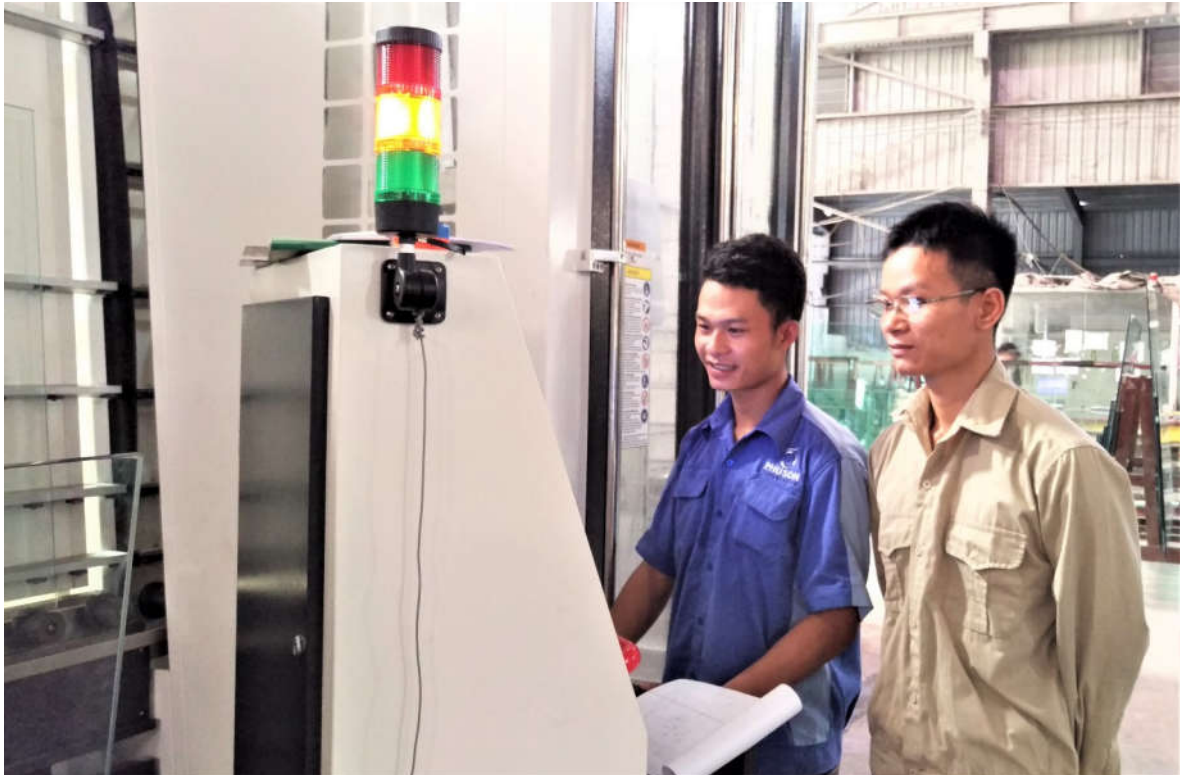
Hình ảnh Máy trung tâm CNC 5 trục 2 chiều dạng đứng GLASSMAN tại nhà máy NGOC THUY GLASS:





To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn





To :
Tel :
Add :

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Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn





To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
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Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn

Hình ảnh Máy trung tâm CNC 5 trục 2 chiều dạng đứng GLASSMAN tại nhà máy VIET DUC GLASS:





To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn





To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn

Hình ảnh Máy trung tâm CNC 5 trục 2 chiều dạng đứng GLASSMAN tại nhà máy THANH TAM GLASS:

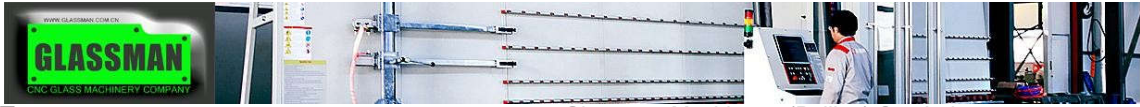




To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn





To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn

Hình ảnh Máy trung tâm CNC 5 trục 2 chiều dạng đứng GLASSMAN tại nhà máy THANH DONG GLASS:





To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn





To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn

Hình ảnh Máy trung tâm CNC 5 trục 2 chiều dạng đứng GLASSMAN tại nhà máy TRUONG MINH GLASS:





To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn





To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn

Hình ảnh Máy trung tâm CNC 5 trục 2 chiều dạng đứng GLASSMAN tại nhà máy HONG PHUC GLASS:





To :
Tel :
Add :

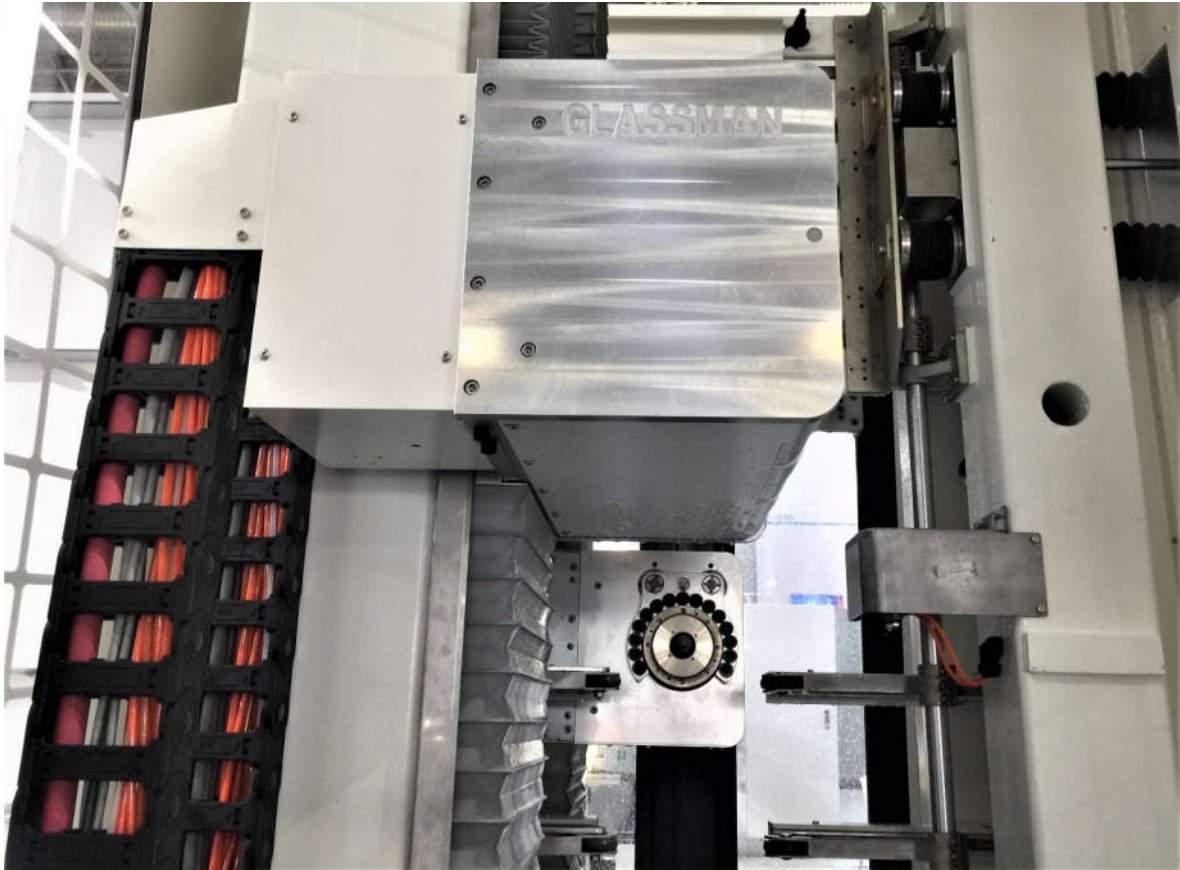
From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn

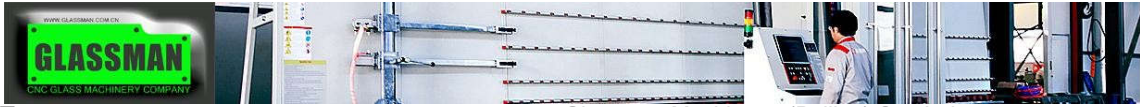




To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
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Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn



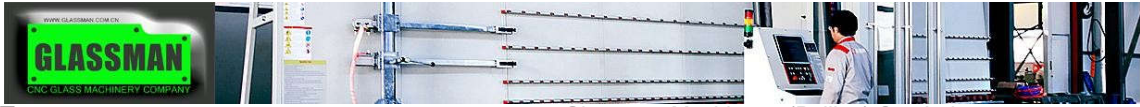


To :
Tel :
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Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn

Hình ảnh Máy trung tâm CNC 5 trục 2 chiều dạng đứng GLASSMAN tại nhà máy THIEN SON GLASS:





To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn





To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn





To :
Tel :
Add :

From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn





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Add :

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Web : www.glassman.com.cn





To :
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Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn

Hình ảnh Máy trung tâm CNC 5 trục 2 chiều dạng đứng GLASSMAN tại nhà máy TIEN CHAU GLASS:

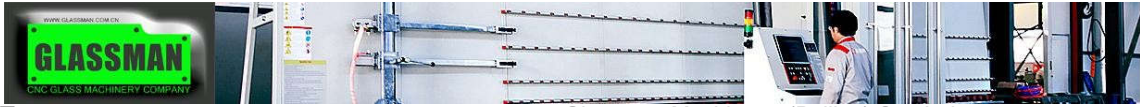




To :
Tel :
Add :

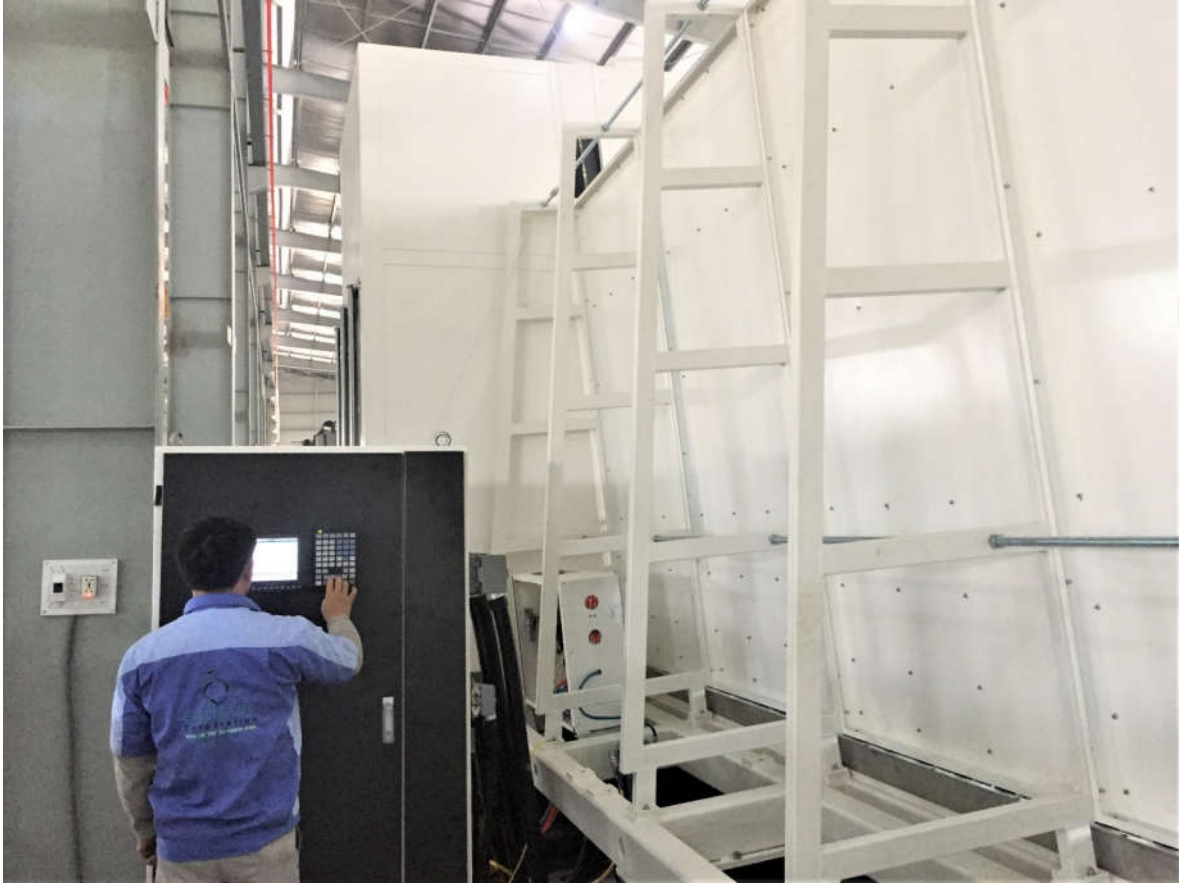
From : Glassman Machinery (Beijing) Co., Ltd
Tel : +86 (0) 760 23760386 Fax : +86 (0) 760 23760386
Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn





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Mob : +86 137 2611 0693
Attn : Jack Hu - Sales Manager
Web : www.glassman.com.cn





To :
Tel :
Add :

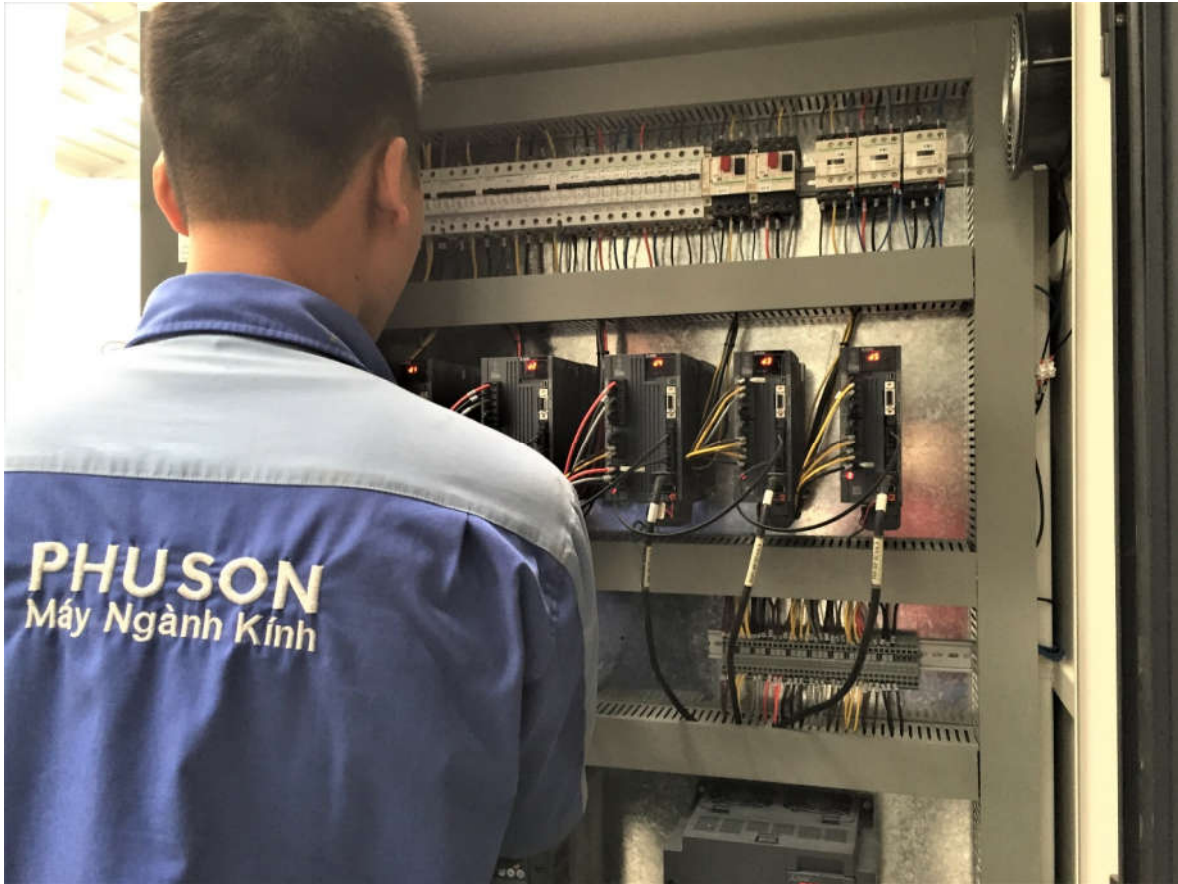
From : Glassman Machinery (Beijing) Co., Ltd
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Mob : +86 137 2611 0693
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 Mob : +86 137 2611 0693
 Attn : Jack Hu - Sales Manager
 Web : www.glassman.com.cn



Đại diện chính thức được ủy quyền tại Việt Nam:



CÔNG TY CỔ PHẦN CÔNG NGHỆ VÀ ĐẦU TƯ PHÚ SƠN
 VP TP. HCM: 123/9 Phan Văn Hớn, P. Tân Thới Nhất, Q. 12, TP. Hồ Chí Minh - Tel: 028.37190858 - Fax: 028.37190838 - Hotline: 0918 900 579
 VP Hà Nội: Lô A21, số 88 Trung Kính, P. Yên Hòa, Q. Cầu Giấy, Hà Nội - Tel: 024.35373367 - Fax: 024.35373365 - Hotline: 0915 766 955
 Website: www.phuson.vn, www.vietnamglasstech.com - Email: info@phuson.vn - Hỗ trợ KT 24/24: tại TP. HCM: 028.38118167- tại Hà Nội: 024.38574471



To :
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Mob : +86 137 2611 0693
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