





Thank you for the opportunity to serve you. Structure Glass Solutions is a premier manufacturer/supplier of frameless shower door hardware, sliding systems, and glass machinery for residential and commercial markets. We have a full line of stylish products in a variety of finishes.

Structure Glass Solutions has a well established track record and our products have always been met with great customer satisfaction. Excellent customer service, quality and value are our most important goals.

We are constantly looking to add new products to our line of hardware. If you have any suggestions or didn't see something you use, please let us know.

We strongly believe that Structure Glass Solutions will become a preferred vendor for your company.

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# GM1634 Glass CNC Machining Center

## General Description:

GM1634 CNC glass machining center is an automatic intelligence integration machining, that can change the tool automatically. It has various machining functions to process different types of glass, such as: cutting, drilling, grooving, edge chamfering, door hinging, rough & fine grinding as well as polishing.



## Technical Parameter:

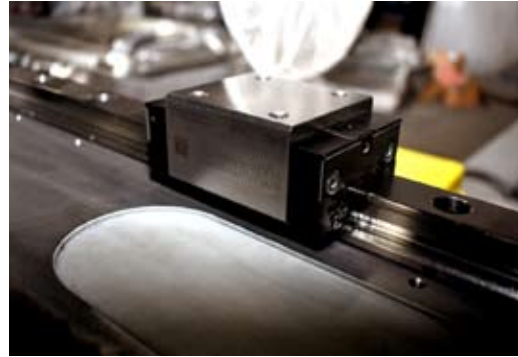
Model	GM1634
Max.processing size	63"x135"
Min.processing size	12"x12"
Min.drilling glass	3/4"
Processing thickness	1/8"-7/8"
Position deviation	±0.002"/12"
Weight	13,230lbs-15,430lbs
Moving of the x.y.z. axis	63"x135"x8"

Model	GM1634
Precision of x.y.z. axis	0.006"x0.002"x0.002"
Speed of x.y.axis	0"-1"/min
Speed of z. axis	0"-1"/min
Max. Revolving speed of spindle	12000r/min
Power of spindle	11kw
Operation system	CAD
Occupy size	165"x255"

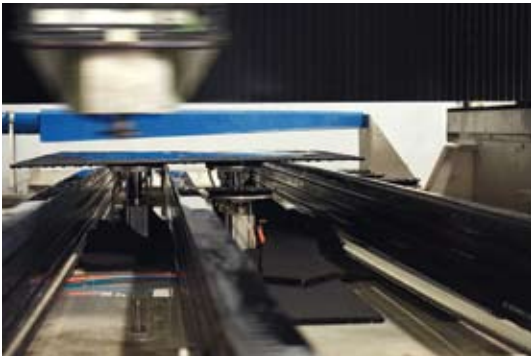
Details :



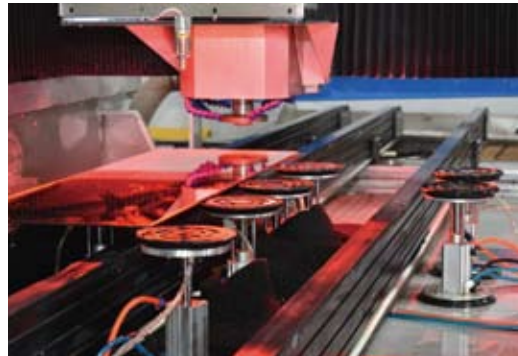
Automatic lubrication system which ensures the linear guide rail and screw are well lubricated while working in a high-speed operation.



The screw, liner guide rail and servo motor all are made from Germany/Taiwan( Rexroth) components.



Unique overall structure design and high-precision CNC machining center for one-time processing

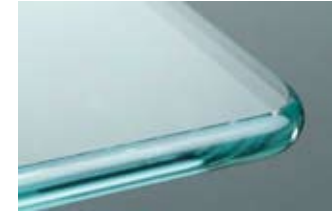


Photography positioning function which generate the programs automatically and keep the precision $\pm 0.3$ .

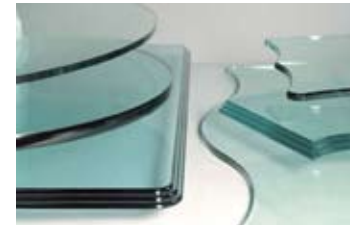
Application Field :



Automotive Glass



Polishing Edge



Shaped Cutout



Stee Edges



Make Hole



Shower Door



Table

# GJ3

## Glass Horizontal Drilling Machine

### General Description:

1. Allows for 3 different size drill bits to be installed at one time.
2. The foot print of one machine instead of three single drilling machines.
3. Simple structure leads to simple maintenance and very easy operation.
4. Low noise, no vibration, simple operation and simple adjustments.
5. Each station has the option of only using the glass clamping function which allows you to use the drilling machine as a working table to cut, notch or grind the glass.
6. Top Heads are manual while bottom heads are automatic.



### Technical Parameter:

Model	GJ3
Max processing size	85"×120"
Processing thickness	1/8"×1"
Hole diameter	ø3/16"-4 5/16"
Weight	1540lbs
Power	9KW
Size	85"×85"×67"
Height of working table	40"



## GM4 Glass Straight-line Flat Polish Edging Machine (4 Spindles)



### General Description:

1. GM4 is suitable for processing straight-line flat polished edges with 45° arrises.
2. Rough grinding, fine grinding of flat edge and rough grinding of arris can be finished in one pass. It is suitable for rough processing before tempering.
3. Input and output conveyor adopt timing belts which can improve the transmission stability.
4. Extensive use of high-quality materials makes the machine attractive and durable.
5. Double rubber wheels for the supporting frame can guarantee no scratch on the surface of glass sheet.

### Technical Parameter:

Model	GM4
Min processing size	3"×3"
Processing thickness	1/8"×3/4"
Processing speed	50"-240"/min
Weight	4410lbs
Power	9.15KW
Size	230"×45"×100"
Spindle quantity	4pcs

## GM9 Glass Straight-line Flat Polish Edging Machine (9 Spindles)



### General Description:

1. GM9 is suitable for processing straight-line flat polished edges with 45° arises.
2. The machine produces a very bright flat polish on the glass.
3. Input and output conveyor adopt timing belts which can improve the transmission precision.
4. Extensive use of high quality materials makes the machine attractive and very durable.
5. Double rubber wheels for the supporting frame can guarantee no scratch on the surface of glass sheet.

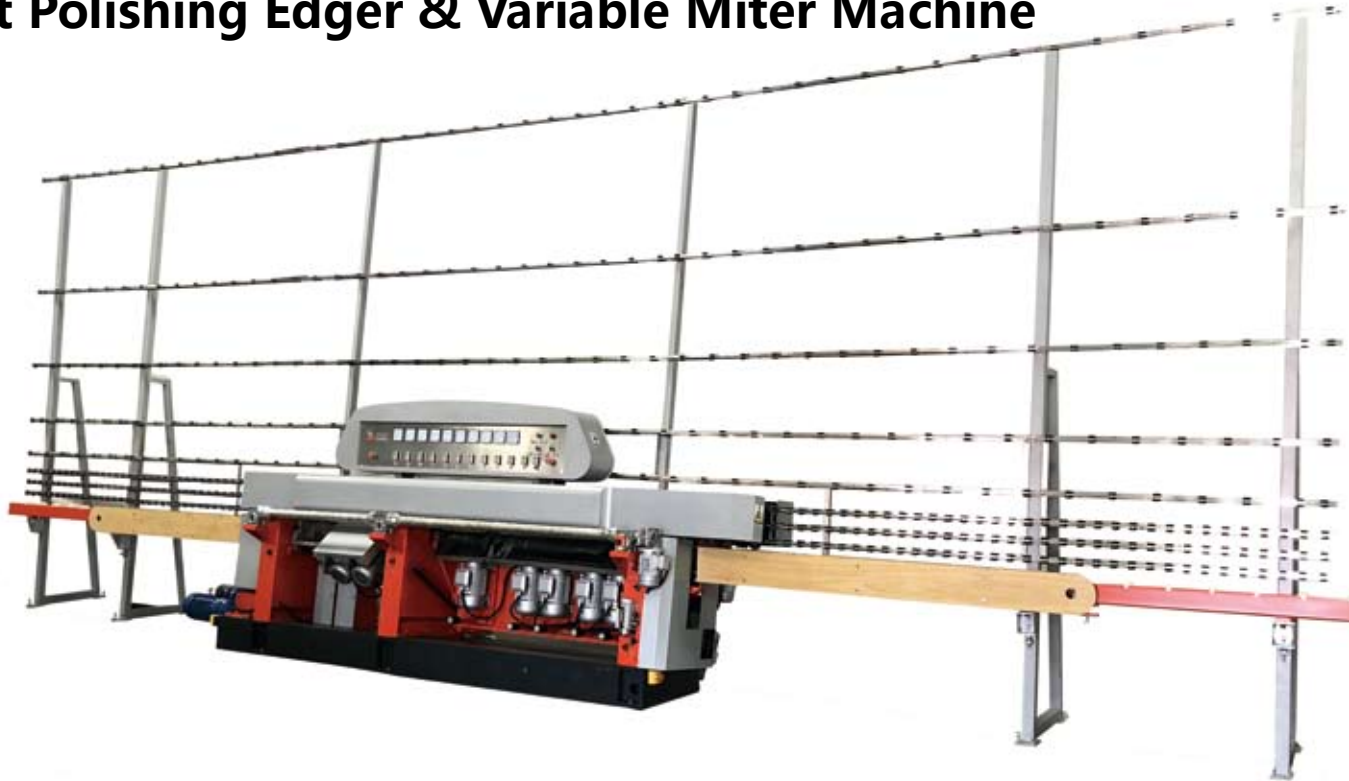
### Technical Parameter:

<b>Model</b>	<b>GM9</b>
Min processing size	3"×3"
Processing thickness	1/8"×3/4"
Processing speed	50"-240"/min
Weight	7715lbs
Power	19KW
Size	265"×45"×100"
Spindle quantity	9pcs



# GM9J/GM10J

## Glass Flat Polishing Edger & Variable Miter Machine



### General Description:

1. This machine can process a flat polished edge or mitered edge by changing the angles of the spindles.
2. Input and output timing belts conveyor can improve the transmission precision.
3. The processed glass surface is very bright and smooth, approaching the original glass surface.
4. Double rubber wheels for the supporting frame can guarantee no scratch on the surface of glass sheet.
5. The miter angle can adjust from 0 to 60 degree.
6. The speed of processing glass can be controlled on the main control panel which allows you to speed up, slow down or completely stop the conveyor.

### Technical Parameter:

Model	GM9J	GM10J
Min processing size	3"×3"	3"×3"
Processing thickness	1/8"×1"	1/8"×1"
Miter angle	0-60°	0-60°
Processing speed	25"-230"/min	25"-230"/min
Weight	7715lbs	7935lbs
Power	20.5KW	22.5KW
Size	300"×55"×100"	310"×55"×100"
Spindle quantity	9pcs	10pcs

# GM10 Glass Horizontal Single Side Edging Machine



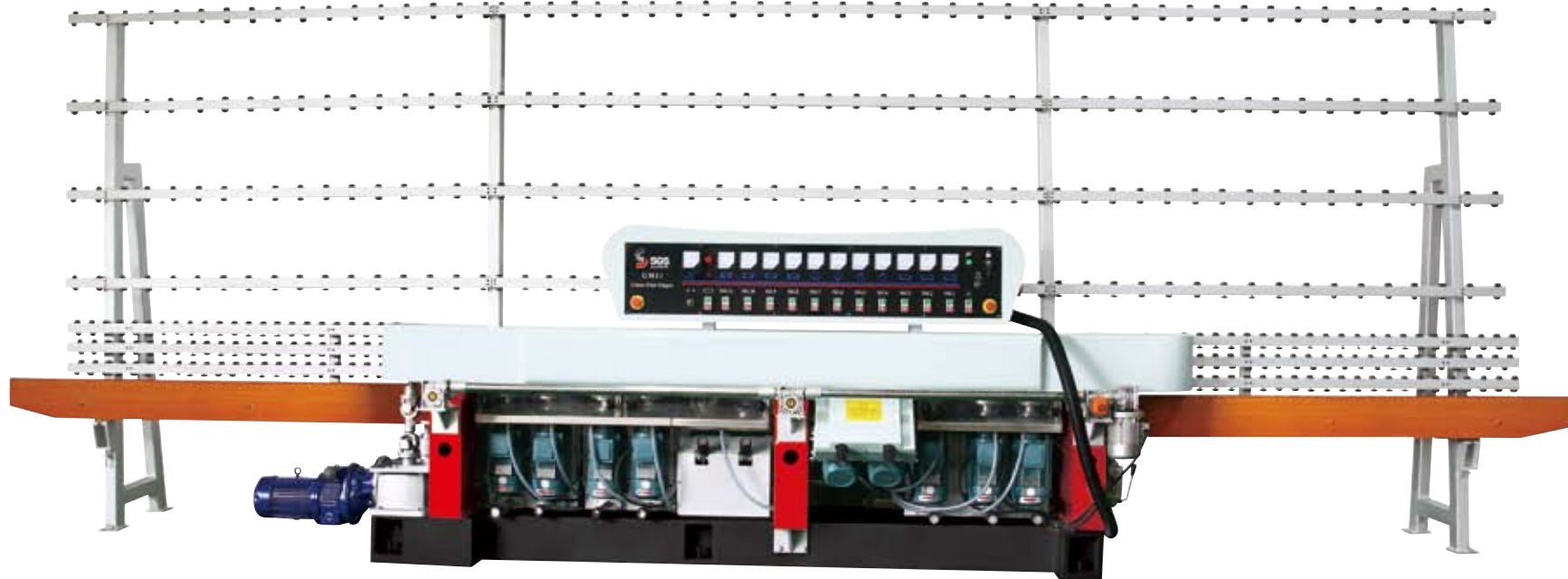
## General Description:

1. GM10 is suitable for processing straight-line edge & 45° arrises of glass sheet with various size and thickness.
2. The machine gives you a very shiny flat polishing by one pass.
3. Input and output conveyor adopt timing belts which can improve the transmission precision and size accuracy.
4. Extensive use of stainless steel materials makes the machine attractive and durable.
5. Double rubber wheels for the supporting frame can guarantee no scratch on the surface of glass sheet.
6. Electric cabinet was designed according to CE standard. Guarantee you a perfect durable and safety performance.
7. Optional: Manual, Digital display, PLC.

## Technical Parameter:

Model	GM10
Min processing size	3"×3"
Processing thickness	1/8"×3/4"
Processing speed	50"-240"/min
Weight	11,025lbs
Power	24KW
Size	200"×200"×80"
Spindle quantity	10pcs

# GM11 Glass Straight-line Edging Machine



## General Description:

1. GM11 is suitable for processing straight-line edge & 45° arrises of glass sheet with various size and thickness.
2. The machine gives you a very shiny flat polishing by one pass.
3. Input and output conveyor adopt timing belts which can improve the transmission precision and size accuracy.
4. Extensive use of stainless steel materials makes the machine attractive and durable.
5. Double rubber wheels for the supporting frame can guarantee no scratch on the surface of glass sheet.
6. Electric cabinet was designed according to CE standard. Guarantee you a perfect durable and safety performance.
7. Optional: Manual, Digital display, PLC.

## Technical Parameter:

Model	GM11
Min processing size	3"×3"
Processing thickness	1/8"×2 3/8"
Processing speed	50"-240"/min
Weight	8,380lbs
Power	24KW
Size	300"×45"×100"
Spindle quantity	11pcs

## GY4 Glass Straight-line Pencil Edging Machine ( 4 Spindles)



### General Description:

1. GY4 can process pencil, OG, flat edges of different glass thickness with different shape wheels.
2. Rough grinding, fine grinding and rough grinding of arris can be finished at one time.
3. Same thickness of glass sheet can be process continually.
4. Double rubber wheels for the supporting frame can guarantee no scratch on the surface of glass sheet.
5. This machine is easy to operate and has good performance and reliability.

### Technical Parameter:

Model	GY4
Min processing size	3"×3"
Processing thickness	1/8"×3/4"
Processing speed	50"-235"/min
Weight	4,410lbs
Power	10.55KW
Size	230"×45"×100"
Spindle quantity	4pcs

## GY7 Glass Straight-line Pencil Edging Machine ( 7 Spindles)



### General Description:

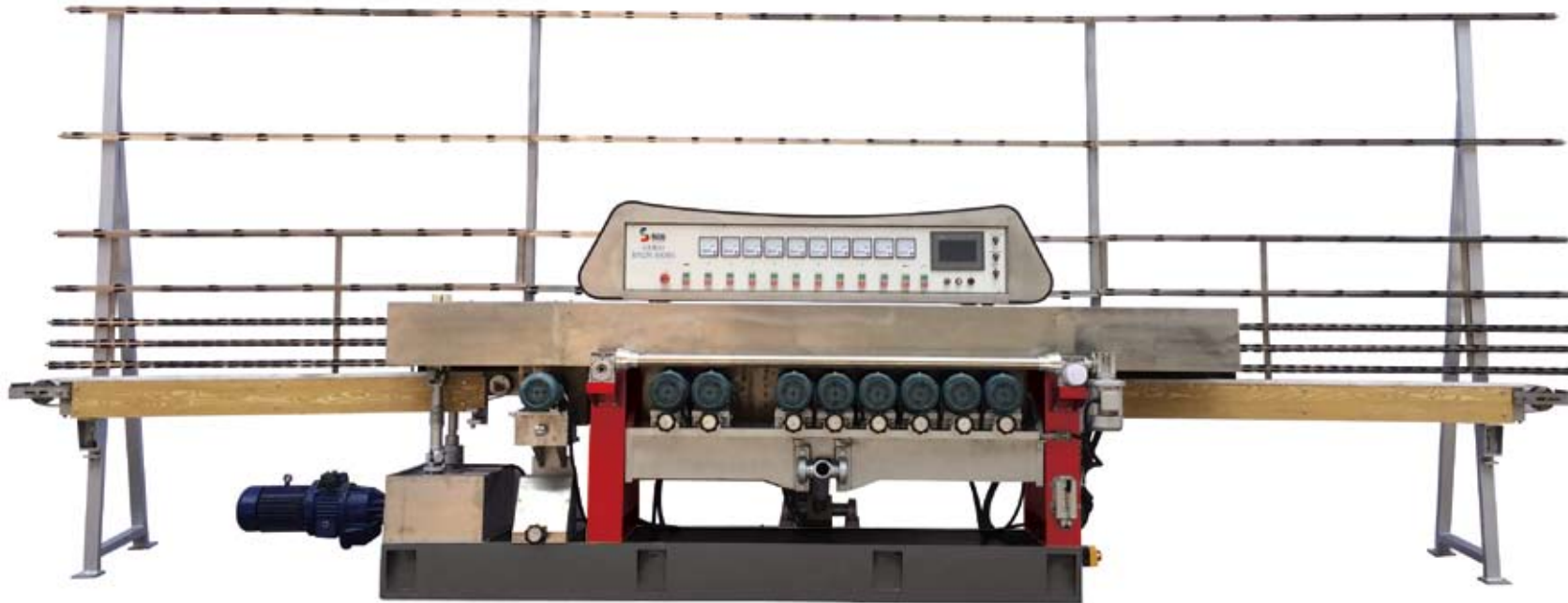
1. GY7 can process pencil, OG, flat edges of different glass thickness with different shape wheels.
2. Rough grinding, fine grinding and polishing of the pencil edge can be finished in one pass.
3. According to the Wheels the Same thickness of glass sheet can be process continually.
4. Double rubber wheels for the supporting frame can guarantee no scratch on the surface of glass sheet.
5. The brightness of pencil edge will be close to the original glass after polished.
6. This machine is easy to operate and has great performance and reliability.

### Technical Parameter:

Model	GY7
Min processing size	3"×3"
Processing thickness	1/8"×3/4"
Processing speed	50"-235"/min
Weight	6,615lbs
Power	15.93KW
Size	260"×45"×100"
Spindle quantity	7pcs



# GX251/GX351 Glass Straight-line Beveling Machine



## General Description:

1. GX251/GX351 is designed for grinding and polishing a bevel edge, with bottom edge of glass with various size and thickness.
2. Rough grinding, fine grinding, polishing of bevel and grinding of bottom edge can be completed in one pass.
3. The processing speed is adjustable with a step-less motor which offers a wide range of speed selection.
4. Input and output conveyor adopt timing belt which can improve the transmission precision.
5. Double rubber wheels for the supporting frame can guarantee no scratch on the surface of glass sheet.
6. The grinding wheels and motor work with a direct drive transmission, which is convenient to adjust and easy maintain.
7. Display Options: Digital Display; or PLC Computer.

## Technical Parameter:

Model	GX251	GX351
Min processing size	4 3/4"×4 3/4"	4 3/4"×4 3/4"
Processing thickness	1/8"×3/4"	1/8"×3/4"
Processing speed	32"-162"/min	32"-162"/min
Max width of bevel	1 1/4"	1 1/4"
Bevel degree	3-30°	3-30°
Weight	8,820lbs	9,920lbs
Power	17KW	23KW
Size	305"×50"×100"	320"×50"×100"
Spindle quantity	8pcs	9pcs



## GX261 Glass Straight-line Beveling Machine



### General Description:

1. GX261 is designed for grinding and polishing a bevel edge, with bottom edge of glass with various size and thickness.
2. Rough grinding, fine grinding, polishing of bevel and grinding of bottom edge can be completed in one pass.
3. The processing speed is adjustable with a step-less motor which offers a wide range of speed selection.
4. Input and output conveyor adopt timing belt which can improve the transmission precision.
5. Double rubber wheels for the supporting frame can guarantee no scratch on the surface of glass sheet.
6. The grinding wheels and motor work with a direct drive transmission, which is convenient to adjust and easy maintain.
7. Display Options: Digital Display; or PLC Computer.

### Technical Parameter:

Model	GX261
Min processing size	4 3/4"×4 3/4"
Processing thickness	1/8"×3/4"
Processing speed	32"-162"/min
Max width of bevel	1 1/4"
Bevel degree	3-30°(3-45°)
Weight	9,920lbs
Power	23KW
Size	320"×50"×100"
Spindle quantity	9pcs

# GX12/GX16

## Glass Simple Washing Machine



### General Description:

1. GX12/GX16 Glass Washing is a horizontal washing machine. It is made up of in-feed, washing, drying, and out-feed sections.
2. The washing speed is adjusted by variable motor.
3. Four pairs of brushes and three pairs of sponge rollers are used to dry the glass.
4. The temperature of hot-air can be set in advance.

### Technical Parameter:

Model	GX12	GX16
Max processing size	43"×80"	60"×82"
Min processing size	6"×6"	8"×8"
Processing thickness	1/8"×19/32"	1/8"×19/32"
Processing speed	28"×140"/min	28"×140"/min
Weight	1765lbs	1985lbs
Power	8KW	10KW
Size	133"×63"×40"	160"×80"×43"
Brush quantity	4pairs	4pairs

# GX16L/GX20L/GX25L

## Glass Vertical Washing Machine



### General Description:

GX16L/GX20L/GX25L vertical washing machine is designed to wash the glass before further processing in order to remove glass chips, dirt and oil that otherwise would scratch or become imbedded in the glass during further processing.

The glass is carried through the washer positioned on vertical plane which makes loading your glass easy and also reduces the footprint of your factory.

Our washers can be built with 2 pairs, 3 pairs or 4 pairs of brushes depending on your requirement.

### Technical Parameter:

Model	GX16L	GX20L	GX25L
Min processing size	12"×20"	12"×20"	12"×20"
Max processing size	63"×100"	80"×100"	100"×120"
Processing speed	80"-275"/min	80"-275"/min	80"-275"/min
Weight	7,715lbs	9,920lbs	12,125lbs
Power	15KW	18.5KW	24KW
Size	255"×80"×110"	300"×80"×125"	300"×95"×145"

## GX25B Glass Washing Machine



### General Description:

1. Gear driven system for the main transmission that offers a very smooth and quiet operating machine. The washer comes with a frequency speed control system and digital display.
2. Brushes are driven by separate motors and belts, that guarantee a smooth speed and a long service life.
3. Washing section and drying section can raise up to a maximum of 13 3/4" (350mm) as a whole, which is convenient to clean and maintain.
4. The machine has 3 pairs of brushes 6" (Ø150mm), which can be used for washing LOW-E glass, ordinary coated and solar glass.
5. The machine has 3 pairs of air-knives, that provide a very good drying effect. The machine has a hot water heating system that helps clean the glass.
6. Also the machine has a heating system, it helps a lot in the winter weather.

### Technical Parameter:

Model	GX25B
Max processing width	100"
Min processing size	15"×15"
Processing thickness	1/8"×1"
Processing speed	0"-275"/min
Weight	9,480lbs
Power	28KW
Size	215"×140"×110"
Brush quantity	3pairs

## GX25C Glass Washing Machine



### General Description:

1. Gear driven system for the main transmission that offers a very smooth and quite operating machine. The washer comes with a frequency speed control system and digital display.
2. Brushes are driven by separate motors and belts, that guarantee a smooth speed and a long service life.
3. Washing section and drying section can raise up to a maximum of 13 3/4" (350mm) as a whole, which is convenient to clean and maintain.
4. The machine has 2 pairs of brushes 6" (Ø150mm), which can be used for washing LOW-E glass, ordinary coated and solar glass.
5. The machine has 2 pairs of air-knives that provide a very good drying effect. The machine has a hot water heating system that helps clean the glass.

### Technical Parameter:

Model	GX25C
Max processing width	100"
Min processing size	15"×15"
Processing thickness	1/8"×1"
Processing speed	0"-48"/min
Weight	9,480lbs
Power	35KW
Size	215"×140"×110"
Brush quantity	2pairs



# GY1

## Glass Shape Edging Machine

### General Description:

1. GY1 Glass Shape Edging Machine is designed for the grinding and polishing of external edges of shaped glass.
2. By changing the grinding wheel, different edge profiles (flat edge with arris, pencil edge, bevel edge and OG edge) can be processed.
3. The height of the spindle very easy to adjust.
4. A pneumatic cylinder (included attachment) makes it possible to process round glass automatically.
5. The turntable drive motor and main gear are installed in the base housing. The speed is adjusted by a step-less motor.

### Technical Parameter:

Model	GY1
Processing thickness	1/8"×3/2"
Size of processing glass	Ø4"-85"
Max width of bevel	1 3/8"
Bevel degree	0-45°
Weight	1,985lbs
Power	3.92KW
Size	45"×45"×70"





# GPS15/20/25 Glass Automatic Sandblasting Machine



## General Description:

1. The machine has full-automatic and manual functions, equipped with 3 automatic pistols and 1 manual pistol.
2. The nozzles of pistols are made of special material which can increase the production life.

## Technical Parameter:

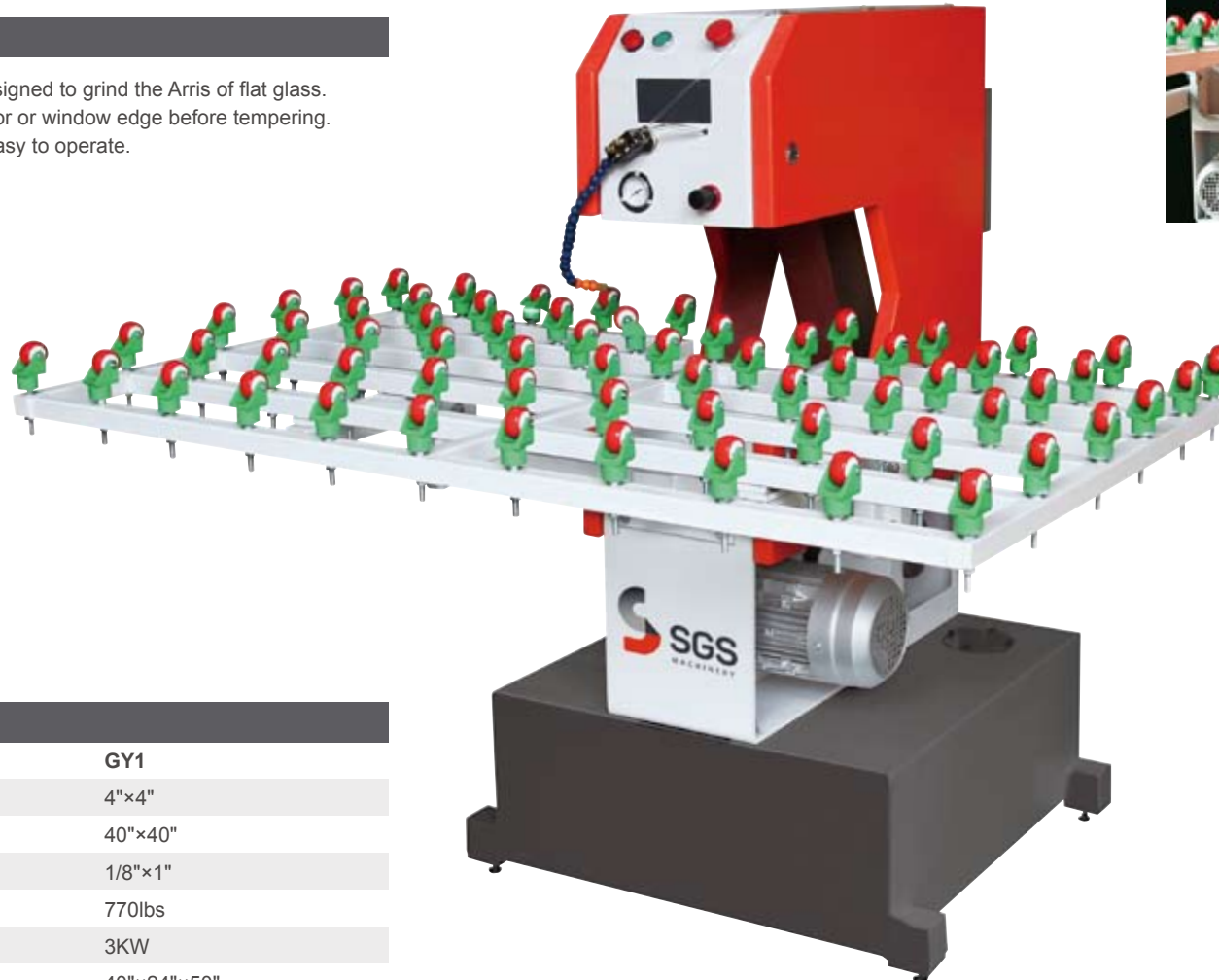
Model	GPS15	GPS20	GPS25
Min processing size	12"×12"	12"×12"	12"×12"
Max processing size	60"×120"	80"×120"	100"×120"
Processing speed	130-160ft <sup>2</sup> /H	130-160ft <sup>2</sup> /H	130-160ft <sup>2</sup> /H
Weight	2100lbs	2205lbs	2315lbs
Power	3.5KW	3.5KW	3.5KW
Size	190"×60"×90"	290"×60"×110"	290"×60"×130"

# GSD10

## Glass Sand-belt Grinding Machine

### General Description:

1. GSD10 is very easy to operate and is designed to grind the Arris of flat glass.  
This machine if used a lot for grinding door or window edge before tempering.
2. This machine works efficiently, and it is easy to operate.



### Technical Parameter:

<b>Model</b>	<b>GY1</b>
Min processing size	4"×4"
Max processing size	40"×40"
Processing thickness	1/8"×1"
Weight	770lbs
Power	3KW
Size	40"×24"×50"

## T24-36 Remote Controlled Moveable Glass Loading Table



### General Description:

1. Simple film stage, with air float table, glass which can move freely;
2. Self-equipped with auxiliary breaking bar to improve cutting efficiency;
3. Table can move freely and operate flexibly;
4. PLC control, stable performance.

### Technical Parameter:

Model	GPS25
Max processing size	95"×140"
Table size	125"×85"
Glass thickness	1/6"×3/4"
Processing speed	40Sec./1 piece
Weight	4,410lbs
Power	11KW
Size	125"×95"×35"



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