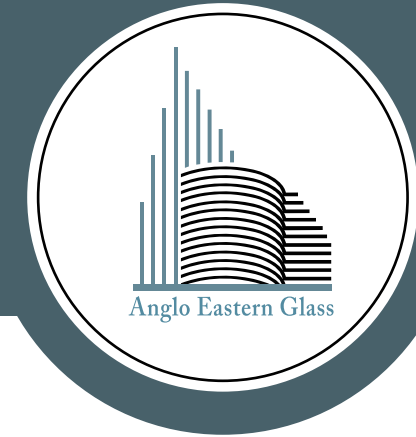


Anglo Eastern Glass



C O M P A N Y P R O F I L E

LATTER TO OUR VALUED PARTNERS & CUSTOMERS



Thank you very much for your interest in Anglo Eastern Glass's (AEG) architectural and structural glass products and services. We hope you find this guide to be a helpful resource.

At AEG we strive to set the industry standard for finished product quality in the widest variety of customizable option that you can find in Bangladesh and South Asia. We promise to provide you the very best of product and service. This promise is made possible by our extremely deep technical expertise, which derived from our partnership with some of the world's most advanced glass processing machine manufacturers. Our affiliation with the leading architect and designers both nationally and internationally also provide us a vantage point over our competitors. Our unique position as a glass fabrication leader and our affiliation with the Asian and European glass market reduces your risk, greatly increases your design flexibility and allow glass products and service sourced from AEG to be of better both in quality and visibility.

It would be a great pleasure to get the opportunity to support you on your next project. Please call one of the AEG glass experts and contact one of our architectural designs professional across our domestic and international offices.

**Warm regards,
Bulbul Chowdhury
Managing Director
Anglo Eastern Glass**

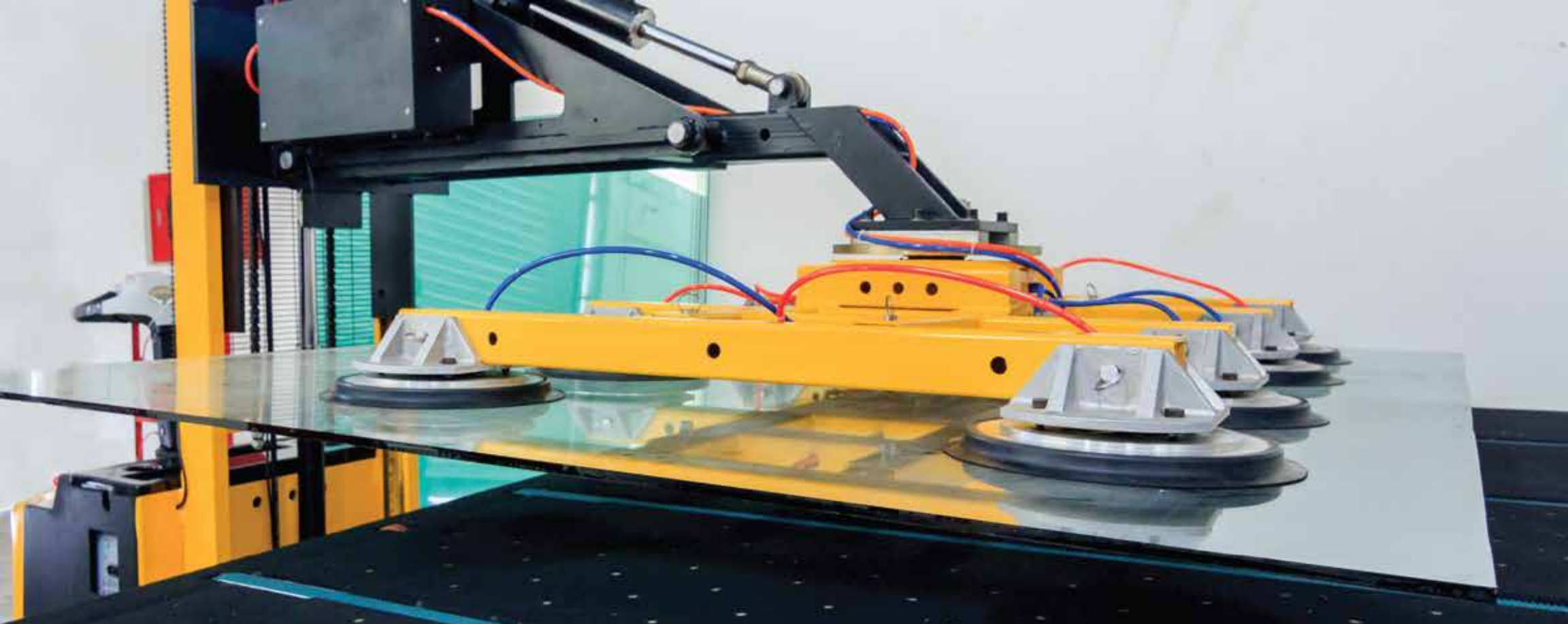
OUR PRODUCT:

- **Toughened Safety Glass**
- **Heat Strengthen Glass**
- **Digital Printing Glass**
- **Insulating Glass**
- **Switchable Smart Glass**
- **Lamination Glass** (upcoming)



Architectural Glass vs Traditional Building Materials

Traditional building materials have been used in construction for a long time. As effective as the method is, in today's modern age where space is not in abundance, we have transitioned to build structures that seems to reach the sky. primitive building materials are such buildings, which reduces a great deal of interior area. Using architectural glass can reduce weight and costs drastically as well as increase the aesthetic beauty of a building.



AUTOMATED GLASS HANDLING SYSTEM

With a maximum load capacity of over 600 kilograms, our vacuum lifter can handle glass size of up to 2440 X 3660 mm. Our vacuum lifter can also move laterally for easy handling and can turn in its own radius, which means tighter but smoother turning point. Electronic assistant tilting ensure that maximum care is taken for glass transportation.



INNOVATION IN CUTTING

LISEC Automated and computerized glass cutting machine (which is aided by robotics) is the first in Bangladesh, it is globally recognized high tech and with state of the art technology. Anglo Eastern Glass usage of LISEC's cutting technology ensures the precise and precision cutting of both the coated and noncoated glasses. Following our market research and visit to LISEC's manufacturing plant in Austria, the cutting table we brought is a world-class product with 100% precision. This a fully automated, computerized (Software driven) cutting technology, which uses high-end industrial diamond for its operation. We are happy to introduce this superior precision cutting technology in Bangladesh as many of our competitors simply still use manual cutting table and tools to cutglass.



DESIGN CONSULTATION


Our specialists in Anglo Eastern Glass provide technical support to customers at the design stage of the project. With the combined professional experience and qualifications we can team up with any group of architects and designers to offer the best solutions that meets the specified design conditions of the project. Our in house graphic designers and architects are well equipped with the understanding of maximum efficiency and sustainable glass designer. Through the early engagement of professionals in glass design, the challenging specifications can be met through innovative solutions that maintain the architectural intent and budget of the project.

SAFTY AND SECURITY IS OUR FIRST PRIORITY

In Bangladesh, one of the most common form of ordinary annealed glass is locally known as “Thai Glass”. When these glasses are broken they shatter into large pieces and in most cases the size and shape of the broken glass can be very dangerous as there is potential for fatal accident. Despite frequent personal injuries and death caused due to the breakage of the ordinary annealed glass, it is still being used in some of the buildings and constructions.



Tempered glass is about four times stronger than 'ordinary' or annealed glass. Tempered glass fractures into small, relatively harmless pieces. In the process of making tempered glass we use controlled thermal treatments to increase its strength compared to normal glass. Tempering put the outer surface into compression and inner surface into tension. Such stress causes the glass, when broken, to crumble into small granular chunks instead of splintering into jagged shape as plate glass creates. As a result, tempered glass must be used in those environments where human safety is an issue. We therefor felt inspired to introduce the tempered glass product and contribute in educating people about it.



WHY TEMPERED GLASS

TEMPERING AND HEAT STRENGTHENING

Here at Anglo Eastern Glass, we have the best glass tempering furnace in the industry. Our full convection oven allows us to heat and treat glass faster with better quality than any of our competitors. Our in house furnace has a maximum bed size of 2400mm x 4200mm.



CNC MACHINE

With Cnc We Can Do

- Drilling from the top
- Top half bowls processing
- Straight & Curved Processing
- Milling
- Peripheral polished edging
- Surface wiring
- Cup wheel grinding and polishing
- Cut with sawblade
- Drilling from underneath
- Engraving
- Straight & shaped lateral writing

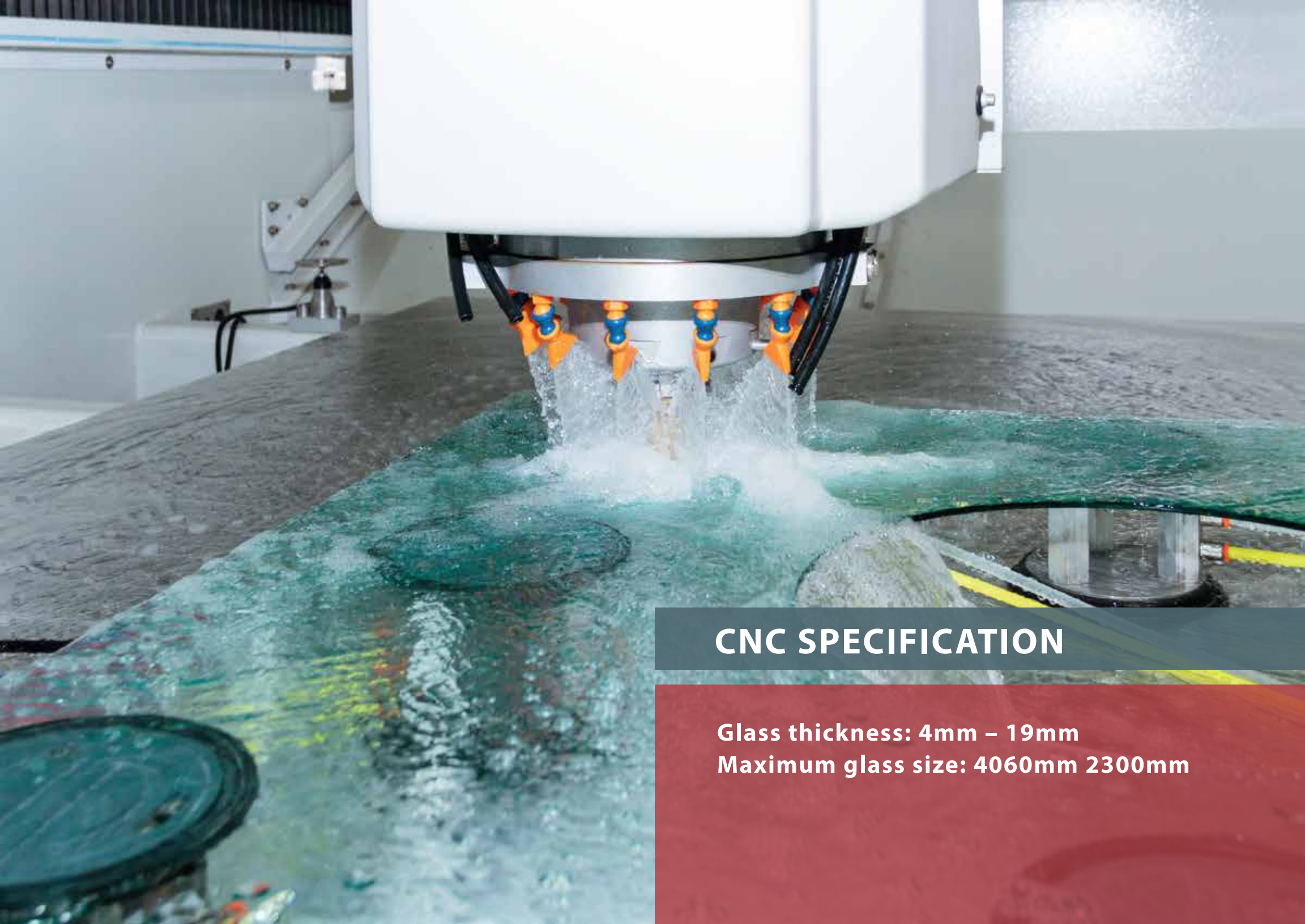


With our CNC we can drill holes, route notches, polish straight and shaped edges both internally and externally. It is able to make shaped and straight cuts in multiple laminated glasses. The purpose of introducing this high class technology in the market is to provide and enrich the customers with world class architectural and furniture glass products.

CNC PROCESSING IN GLASS

With its four-axis functionality, our CNC is one of the most technologically advanced and most versatile piece of glass processing machine available today. The world class CNC machine of our is from Intermac (Number one CNC machine manufacturer)





CNC SPECIFICATION

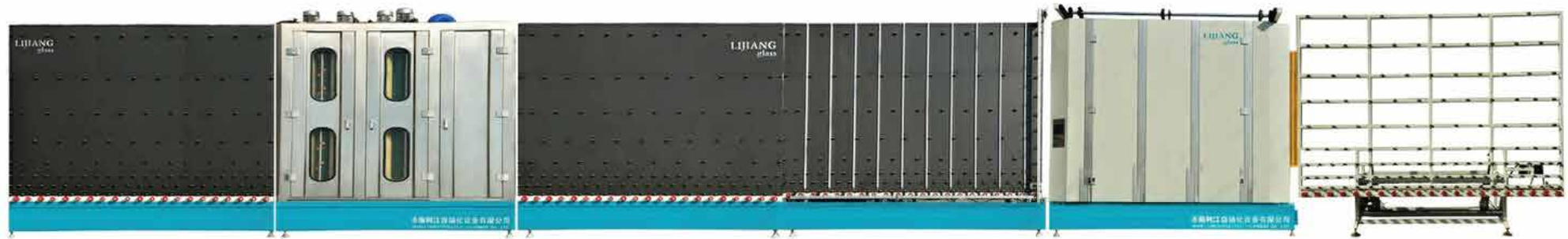
Glass thickness: 4mm – 19mm

Maximum glass size: 4060mm 2300mm

IG Glass Processing Equipment



Insulating glass production line



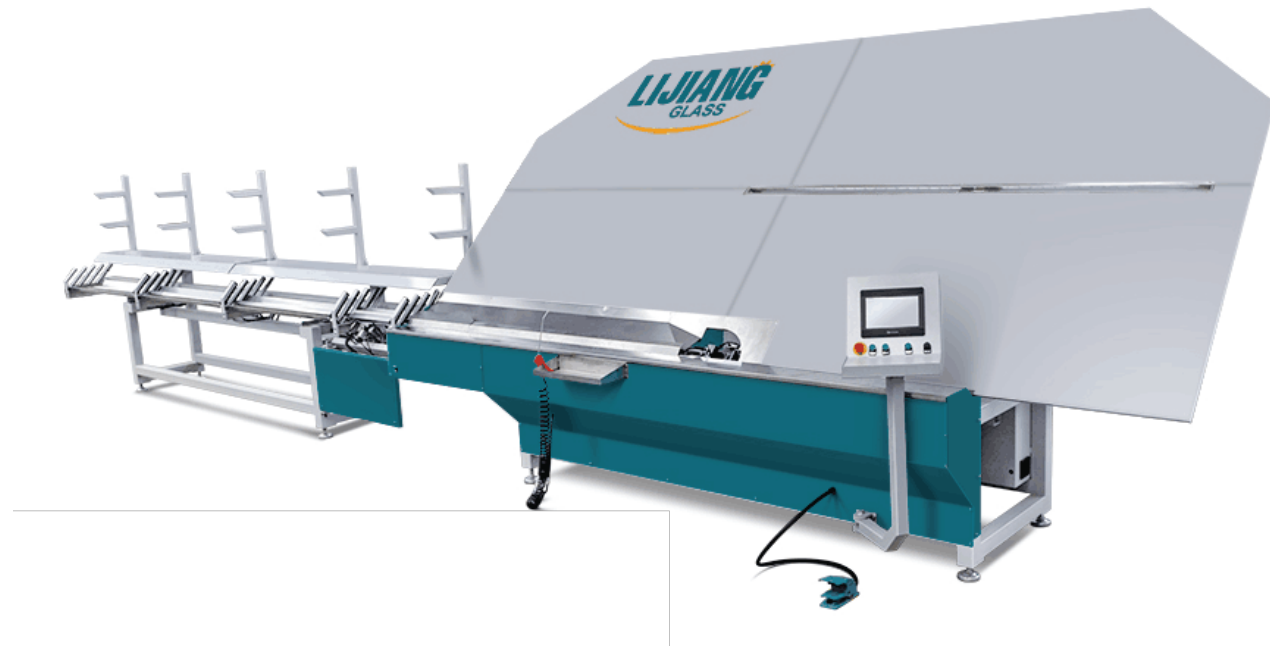
Main feature

- Stable performance
- Online gas filling(option)
- High strength polymerization plastic spray back plate, folding structure
- PLC control system, touch screen interface
- Coating&LOW-E glass automatic identification
- Can wash on-line&off-line glass
- Hierarchical type washing system
- Water tank automatic temperature control, water replenishing system
- European silencer system&stainless steel drying system
- Intelligent batch-type energy saving system
- Digital display&sealant depth adjustment device
- Adjustable matrix separating pressing system
- Automatic outside rotary glass positioning system
- Aviation plug cable connect way
- Triple IG , shaped IG automatic assembly and positioning system
- Universal wheel in tilting table has balance weight device
- Servo control stepped IG system, modularity function, superposition function

Main technical parameter

- Max.glass size: 2500*3500/2200*3000mm
- Min.glass size 300*450mm
- Glass thickness 3-12mm
- Insulating glass thickness 40mm
- Glass washing speed 2-10m/min
- Glass conveyor speed: 45m/min
- Washing brushes 3 pairs
- Water supply: Water consumption:0.5t/h conductivity : $\leq 50\mu\text{s/cm}$
- Air supply Flow: 0.8m/min
- Air pressure $\geq 0.8\text{MPa}$
- Total power 3P380V 50HZ 25KW
- Dimension 18500*3500*3600/18350*2600*3250mm

Automatic spacer bending machine



Main feature

- Germany Siemens PLC control system
- Japan Fuji CNC servo control system
- Four spacer size storage units
- Optional for different specification and size aluminum spacer
- Auto spacer connecting and cutting function
- Automatically avoid the connection while bending and cutting
- Continuous bending
- Bending stainless steel spacer, TECHNOFORM warm edge spacer, SWISS spacer and aluminum spacer
- Distinctive bending structure with more powerful function
- Pause&reset device, convenient for machine malfunction maintenance, protect the servo motor
- USB input function, read the excel format file directly(Optional)
- Spacer printing function (Optional)

Main technical parameter

Max.bending size	2000mm*2000mm
Min.bending size	250mm*200mm
Aluminum spacer width	5.5-24mm
Dimensional error:	$\leq \pm 0.5\text{mm}$
Angle error	$\leq \pm 1^\circ$
Processing speed	$\leq 26\text{s}$
Air supply	$\geq 0.65\text{MPa}$
Total power	AC220/380V 50Hz 2.5KW
Dimension	10500mm*2200mm*2600mm

Automatic Desiccant Filling Machine



Main feature

- Germany Siemens PLC control system
- Touching screen interface, simple and visible
- Fill for bending frame and connected frame
- Auto desiccant loading function
- Filling time can be adjusted
- Auto drilling, filling and sealing function

Main technical parameter

Filling aluminum frame's maximum size	2000mm*2000mm
Filling aluminum frame's minimal size	300mm*250mm
Article aluminum specifications	5.5-24mm
Air source	≥0.65MPa
Power supply and power consumption	AC220V 50Hz 1KW
Molecular sieve diameter needed	0.5-0.9mm
Dimension	1300mm*1100mm*3650mm

Butyl Extruder Machine



Main feature

PLC control system, touch screen interface.
Frequency control system
Abroad technology, pneumatic and hydraulic supercharging system.
Automatic centering and clamping structure.
Separate extruder head structure.
Automatic butyl volume display function.
Circular arc butyl sealing structure.
Extruder head height adjustment structure
Preheating function Butyl cylinder swing mechanism
Important control parts adopt imported brand.

Main technical parameter

Squeeze pressure 10-14MPa
Temperature 110-140°C
Aluminum spacer width 6-24mm
Speed 0-27m/min
Diameter of butyl cylinder 190mm
Air supply Flow:0.4m/min
Air pressure $\geq 0.8\text{MPa}$
Total power 220V 50HZ 2.5KW
Dimension 3000*620*1102mm

Vertical Insulating Glass Sealing Robot



Main feature

The glass edge and corner is full without air bubbles, smooth surface
High automation, high efficiency
suitable for glass deep processing enterprise to use.
Using two sets of independent sealant supply system
The third section can pre-store glass to improve the efficiency effectively
Servo control system adopts world famous brand(Japan Anchuan)
smoothly with accurate positioning
Support three layer glass sealant

Main technical parameter

Max.glass size 2000*2500mm/2500*3500mm/2700*4000mm
Min.glass size 300*300mm
Glass thickness 12-56mm
Working speed 5-40m/min
Air pressure 0.5-0.7MPa
Squeeze pressure 32MPa
Voltage power 380V 12kw
Overall dimension 8000*1500*2700mm/8000*1500*3500mm

Sealant -Spreading Machine



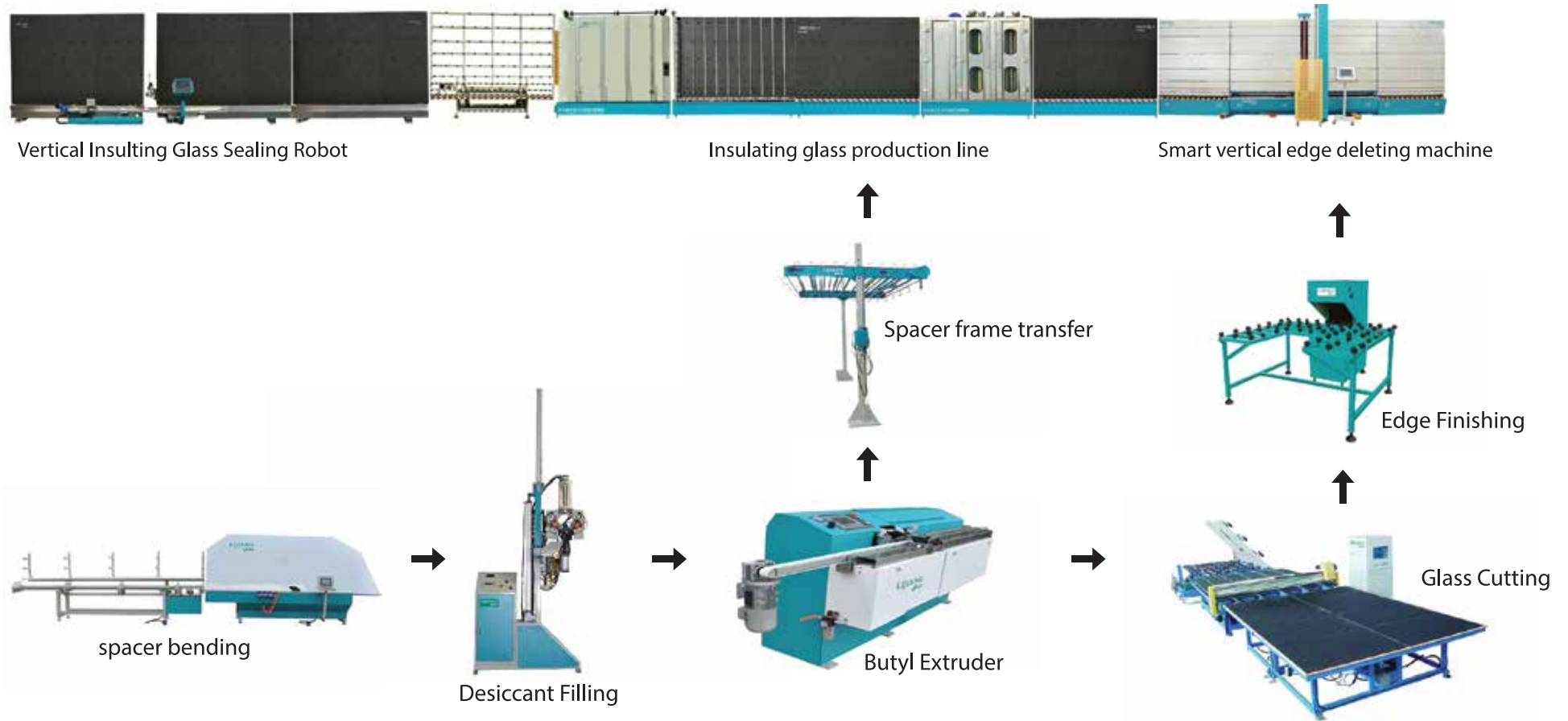
Main feature

- Imported motor system
- Imported sealant gun, stainless steel mixer
- High pressure protect device
- Mixed rate detector
- Anti-backflow control structure
- Important control parts adopt Korea Brand

Main technical parameter

- Working air pressure 0.3-0.6MPa
- Sealant spreading pressure 15-20MPa
- Sealant volume 4L/min
- Diameter of A/B sealant 570mm/280mm
- Sealant spreading air pressure ratio 50:1
- Mixed rate 6:1-14:1
- Air supply Flow 0.8m³/min
- Air pressure ≥ 0.8 MPa
- Overall dimension 1100*950*1630mm

Automated Insulating Glass Processing Solution



Automated Insulating Glass Processing Solution

Testing Equipment For Tempered Glass & Insulating Glass

Glass Surface Stress Device



Our device is the LCD-GASP, which is the ideal solution for applications where a large volume of measurements are made daily. It is battery-operated and comes with a CCD video camera and a built-in LCD display to eliminate operator eye fatigue and parallax errors. Conversions from Laser GASPs to LCD-GASPs are available and recommended!

LCD-GASP Surface Stress Polarimeter is:

- Non-destructive
- Easy to operate
- Compliant with all industry specifications, including ASTM C1048, C1279 and the new compulsory EN-12150 and EN-1863 standards and CE marking requirements for testing mechanical strength in architectural glass
- For in-plant or field use
- Easily used by multiple people at once
- Easily used on vertical glass surfaces
- Available for flat or curved surfaces
- Ideal for solar glass applications

Testing Equipment For Tempered Glass & Insulating Glass

Roller Wave Gauge



Roller-wave gauges are used for measuring roller wave in accordance with ASTM Test Method C1651, Glass Association of North America (GANA), and other accepted test methods. Measured peak-to-valley depth and wave length values are used to calculate optical distortion using a simple equation or supplied Excel software. Strainoptics offers four high-quality roller-wave models with flat-bottom or three-point contact surfaces.

Testing Equipment For Tempered Glass & Insulating Glass

Ball Drop Testing Machine



This testing device conforms to the standards of IEC60598.1 and IEC60950.1. It is applicable for the impact performance test of the equipment enclosure. It has the advantages of accurate performance and convenient operation as well as reasonable layout. Adjusted to a certain height, the steel ball, whose weight is required, falls down to hit the testing sample. Then the tester can judge the quality of the sample according to the damage degree of the testing sample. It can be used in the fastness test of the enclosure with the material of plastic, ceramic, acryl and Glass fiber.



a concern of
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