



## ANGLO EASTERN ENGINEERING PROJECT PORTFOLIO



**Bulbul Chowdhury**

Managing Director

**ANGLO EASTERN COMMODITY LTD.**

**We are a company where even the smallest details matter. We take care of everything beginning with the idea and ending with solutions for engineering, full supplies and excellent project management. We know and understand glass.**

- **We examine, standardize and give recommendations on your ideas and wishes according to glass norms.**
- **We offer suggestions on what type of glass to use, its quality and quantity.**
- **We provide effective project management. Our clients get the newest and most up-to-date solutions from the world leading specialists in this field.**





## ANGLO EASTERN ENGINEERING

**Our specialists in Anglo Eastern Engineering 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.**





# SQUARE HOSPITAL LTD.

**Project:** Square Hospital Ltd.  
**Address:** Panthapath, Dhaka  
**Architect:** Tareq Alom  
**Architect Firm:** Hospital Architect & Planners  
**Client:** Square Hospital Ltd.  
**Glass Brand & Series:** SGG-ET750 (DGU)

## *Features:* *Stick Curtain Wall System*

Total area: 1200 Sqm  
Glass: SGG-ET750 (DGU)

### ET series

Evo is an excellent glass which offers high performance across all seasons, ideal for hospital project. ET series has very low internal reflection, higher light transmission and a low solar factor and U value.





# EPYLLION KNIT WEAR LTD.

**Project:** Epyllion Knit Wear Ltd.  
**Address:** Modonpur, Narayanganj  
**Architect:** Aminul Ehsan Munna  
**Architect Firm:** Red Consultant  
**Client:** Epyllion Group  
**Glass Brand & Series:** SGG- ST167

## *Features:* *Stick Curtain Wall System*

**Total Glass Area:** 1100 Sqm  
**Glass:** SGG- ST167 (DGU)

ST-167 Double glazed glass is a architect delight for factory building, not only it reduces energy cost also cut down UV radiation by 30%.



# BTRC

**Bangladesh  
Telecommunication  
Regulatory Commission**

**Project: BTRC**  
**Address: Agargaon, Dhaka**  
**Architect: Md. Nasir Uddin Deedar**  
**Architect Firm: Dept. Of Architect**  
**Client: NDE**  
**Glass Brand & Series: SGG-ET & ST150**

## *Features:* *Stick Curtain Wall System*

Total Glass Area: 7000 Sqm  
ACP Area: 4000 Sqm  
Perforated Sun Louver: 2000 Sqm  
Glass: Saint Gobain ET and ST series

Cool Lite series ensures the twin features of greater light and lower heat entering the building. Furthermore transparency stretches spaces and blends interior and exteriors.



# MAKKA MADINA TRADE CENTER

**Project:** Makka Madina Trade Center  
**Address:** Plot-88, Sector-11,  
Sonargoan Janapath Road, Uttara  
**Architect:** Mizanur Rahman  
**Architect Firm:** Skeleton Architects Ltd.  
**Client:** High Speed Group  
**Glass Brand & Series:** SGG- ET750

## *Features:* *Stick Curtain Wall System*

Total area: 1400 Sqm  
Glass: SGG-ET750

### ET series

Evo is an excellent glass which offers high performance across all seasons, ideal for commercial building project. ET series has very low internal reflection, higher light transmission and a low solar factor and U value.





# FOREIGN MINISTRY (FOR)

**Project: Foreign Ministry (FOR)**  
**Address: Segun Bagicha, Dhaka**  
**Architect: Sahnewaz Masud**  
**Architect Firm: Dept. of Architect**  
**Client: NDE**  
**Glass Brand & Series: SGG-Planilux**

## *Features:* *Stick Curtain Wall System*

Total area: 2000 Sqm  
Glass: Saint Gobain Planilux (DGU)

Planilux provides high definition visibility and clear viewing, the least amount of iron oxide 654ppm makes it the worlds clearest.



# SHEBA GREEN LINE LTD.

**Project: Sheba Green Line Ltd.**

**Address: Plot-19, Sector-13,**

**Garib-E-Newaz Avenue, Uttara, Dhaka**

**Architect: Miraz Ahmed**

**Client: Masud Group**

**Glass Brand & Series: SGG-ST167**

## *Features:*

### *Stick Curtain Wall System*

**Total Glass Area: 900 Sqm**

**Glass: SGG-ST167**

Higher visibility low E solar control glass used in this project. ST 167 contains better thermal comfort for hot and warm climate.





# DTCA

**Dhaka Transport  
Co-ordination Authority**

**Project: DTCA**

**Address: Tejgaon, Dhaka**

**Architect: Masum Iqbal**

**Architect Firm: Vernacular**

**Client: NDE**

**Glass Brand & Series: SYP**

*Features:*

*Semi Unitized Curtain Wall*

Total area 5500 sqm

Glass: K10 SYP

K10 is a double low e glass which ensures warmth in the winter and coolness in summer at the same energy consumption levels. Syp's low e coating have excellent energy saving performance and increases a building value by decreasing energy consumption a good return on investment.







# LOGOS APPARELS LTD.

**Project:** Logos Apparels Ltd.  
**Address:** Mouchak, Kallakair, Gazipur  
**Architect:** Arif Anowar  
**Architect Firm:** ARTEK  
**Client:** Rahmat Group  
**Glass Brand & Series:** SSG- ET750

## *Features:* *Stick Curtain Wall System*

Total area: 1300 Sqm  
Glass: SGG-ET750

### ET series

Evo is an excellent glass which offers high performance across all seasons, ideal for industrial project. ET series has very low internal reflection, higher light transmission and a low solar factor and U value.



# EDCL

**Essential Drugs Company  
Limited**

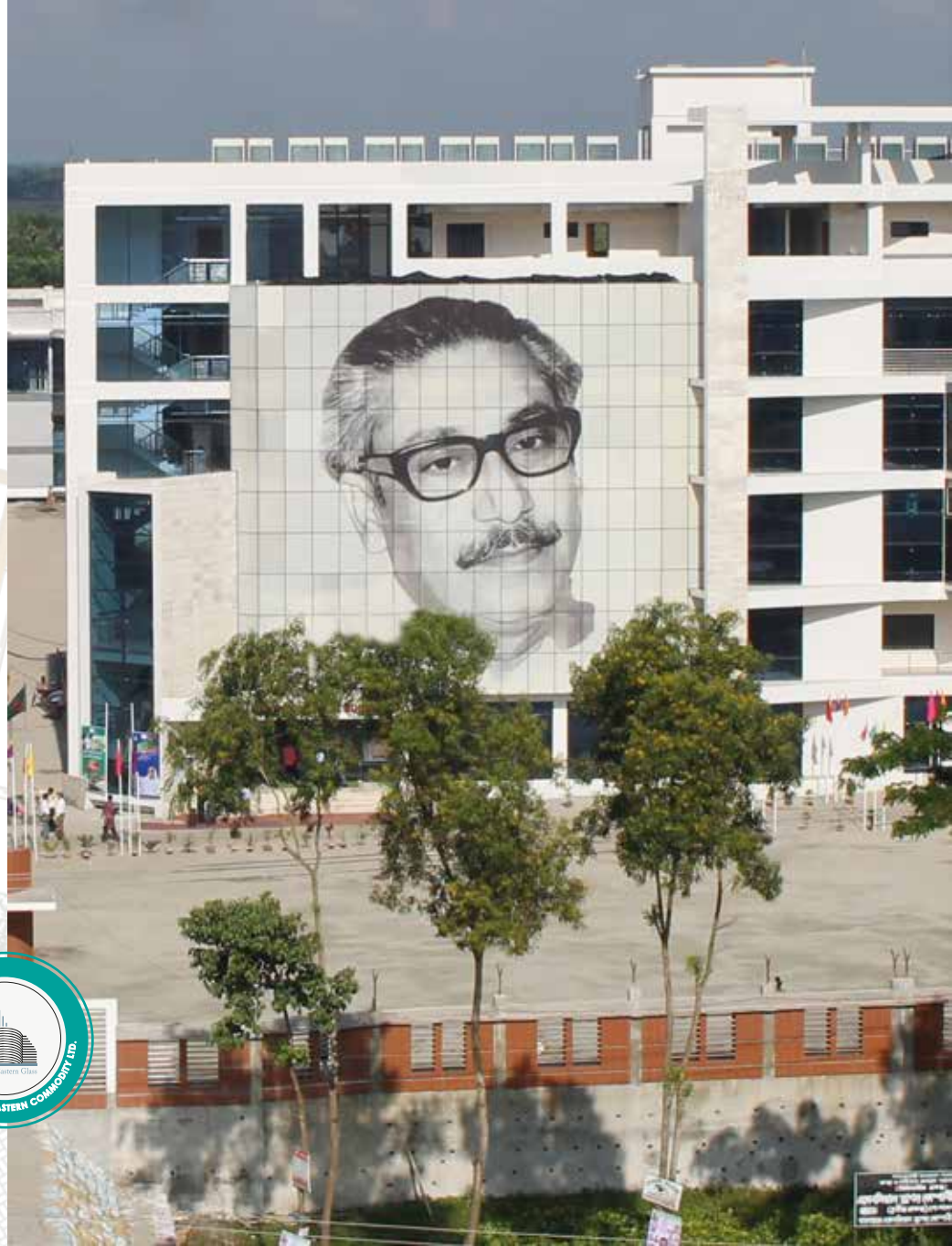
**Project: Essential Drugs Company Limited  
Address: Gopalganj Sadar  
Architect Firm: Environ Structure Limited  
Client: Essential Drugs Company Limited  
Glass Brand & Series: Digital Ceramic  
Glass**

*Features:  
Semi Unitized Curtain Wall*

Total Glass Area: 800 Sqm  
Glass: Digitally printed

The Digital portrait of Bongabondhu Sheikh Mujibur Rahman is the first digital printed building in Bangladesh

Life time colour fade guarantee as the ink is fired onto the glass for a permanent bond  
Flexibility in terms of colour usage plus controls solar heat gain entering the building.







# BANGABANDHU SHEIKH MUJIBUR RAHMAN NOVO THEATRE

**Project:** Bangabandhu Sheikh Mujibur  
Rahman Novo Theatre  
**Address:** Rajshahi  
**Architect:** Ashraf Dewan  
**Client:** NDE  
**Glass Brand & Series:** SSG-ST420

*Features:*  
*Stick Curtain Wall System*

Total Glass Area: 2000 Sqm (DGU)  
ACP Area: 2000 Sqm  
Sky Light (pyramid shape): 200 Sqm

Glass: SSG-ST420

High performance advanced solar control  
glass that provides optimum light transmis-  
sion with minimal visual glare.





# BSB

## Bangladesh Sochibaloy Bhaban

**Project: Bangladesh Sochibaloy Bhaban**

**Architect Firm: Dept. of Architecture**

**Client: NDE**

**Glass Brand & Series: SSG-KT155**

### *Features: Stick Curtain Wall System*

Total Glass Area: 8200 Sqm

Louvres: 8000 Meter

Glass: SSG- KT155

SGG COOL-LITE KT155 is solar control and low-e coated glass. With a good level of light transmittance and proper solar control performance, it makes interiors more comfortable in summer, hence reducing air-conditioning costs.

Enjoy nature view, with gently filters light to reduce uncomfortable glare from direct sun rays, whilst still allowing in plenty of natural light.



# COX'S BAZAR AIRPORT

**Project: International Passenger Terminal Building at Cox's Bazar Airport**

**Address: Cox's Bazar**

**Architect Firm: Dept. of Architecture**

**Client: NDE**

**Glass Brand & Series: SSG- ST467**

## *Features:* *Spider Glazing System*

Total Glass Area: 3000 Sqm

Glass: SSG- ST467

38mm Thickness

DGU Laminated Glass

ST 467 allows optimum daylight to pass through but cuts radiation and reflects away up to 70% of heat. This special pyrolytic coated glass provides superior UV protection while ensuring the indoor temperature remains unaffected or stays lower to outdoor temperature, compared to normal clear glass.

Ideal for tropical regions especially South east Asian climatic conditions





# SUVASTU RIALTO TOWER

**Project:** Suvastu Rialto Tower  
**Address:** Dhanmondi, Dhaka  
**Architect:** Rashed Hassan Chowdhury  
**Architect Firm:** Dehsar Works  
**Client:** Suvastu Property Ltd.  
**Glass Brand & Series:** CSG

## *Features:* *Stick Curtain Wall System*

Total Glass Area: 1700 Sqm  
ACP: 250 Sqm  
Expandable Mesh: 350 Sqm  
Aluminium Box Louvres: 2000 Sqm  
Glass: CSG

CSG the earliest domestic production of high-end building energy-saving glass enterprises, CSG LOW-E glass development, production capacity and technology far ahead, products cover all types of engineering and building energy-saving glass.







# ARMY MULTIPURPOSE COMPLEX

**Project: Army Multipurpose Complex**  
**Address: Matikata Mp Check Post Dhaka**  
**Architect Firm: Dept. of Architecture**  
**Client: Shepherd Consultant & Management Ltd.**  
**Glass Brand & Series: SSG- ST736**

## *Features:* *Semi Unitized Curtain Wall*

Total Glass Area: 2200 Sqm  
Glass: SSG- ST736

ST736 High performance advanced solar control glass that provides optimum light transmission with minimal visual glare.

Spectrally selective glasses combining good light transmission levels with a low solar factor, thus reducing air conditioning costs



# MG SAM Center

**Project:** MG SAM Center  
**Address:** Mohakhali, Dhaka  
**Architect:** Kashef Mahboob Chowdhury  
**Architect Firm:** Urbana  
**Client:** MG Group  
**Glass Brand & Series:** CSG- Clear

*Features:*  
*Semi Unitized Curtain Wall*

Total Glass Area: 3000 Sqm  
Glass: CSG- Clear

Quality glass originates from raw materials. CSG has its own raw material base in china which ensures high quality float glass of various colors and thickness steadily.





# NANDON ICON

**Project:** Nandon Icon

**Address:** Road-15, Sector-3, Uttara

**Architect:** Sobhan

**Architect Firm:** Horizon Architect

**Client:** Nandon Kanon Housing Ltd.

**Glass Brand & Series:** SGG-ST167

## *Features:* *Stick Curtain Wall System*

**Total Glass Area:** 1400 Sqm

**Glass:** SGG- ST167

Higher visibility low E solar control glass used in this project. ST 167 contains better thermal comfort for hot and warm climate.



# ADMINISTRATIVE CONVENTION CENTER AT KHULNA

**Project:** Administrative Convention  
Center at Khulna  
**Address:** Nurnagar, Khulna  
**Architect:** S.M. Nazimuddin Payel  
**Architect Firm:** Vaastukalpa Architects  
Limited  
**Client:** NDE  
**Glass Brand & Series:** SSG- ST467

## *Features:* *Stick Curtain Wall System*

Total Glass Area: 3000 Sqm  
DGU: 1400 Sqm  
SGU: 1200 Sqm

ST467 is a best-in-class range of Solar Control Glass for residences. It allows optimum daylight to pass through but cuts radiation and reflects away up to 70% of heat. This special pyrolytic coated glass provides superior UV protection while ensuring the indoor temperature remains unaffected or stays lower to outdoor temperature, compared to normal clear glass.





# MUSLIM INSTITUTE CULTURAL COMPLEX

**Project:** Muslim Institute Cultural Complex

**Address:** Chattogram

**Architect Firm:** Dept. of Architecture

**Client:** NDE

**Glass Brand & Series:** SSG- ST750

## *Features:* *Stick Curtain Wall System*

Total area: 5000 Sqm

Glass: SGG-ET750

### ET series

Evo is an excellent glass which offers high performance across all seasons, ideal for institutional building project. ET series has very low internal reflection, higher light transmission and a low solar factor and U value



# CDA

## Cox's Bazar Development Authority

**Project: Cox's Bazar Development Authority (CDA)**

**Address: Beside of Laboni Point, Cox's Bazar**

**Architect Firm: Department of Architecture**

**Client: NDE**

**Glass Brand & Series: SSG Planilux**

### *Features: Stick Curtain Wall System*

Total Glass Area: 4000 Sqm

Curtain wall: 900 Sqm

Window System: 3000 Sqm

Planilux provides high definition visibility and clear viewing, the least amount of iron oxide 654ppm makes it the worlds clearest.





# SUMON PALACE

**Project: Sumon Palace**  
**Address: Sonapara, Shylhet**  
**Architect: Arch. Maruf Hossain**  
**Architect Firm: Archden Consultant**  
**Client: Personal**  
**Glass Brand & Series: SSG- ST136**

## *Features:* *Windows System* *Euro Model*

SGG COOL-LITE ST136 is a solar control glass manufactured by depositing a coating of metallic oxides by magnetically enhanced cathodic sputtering under vacuum conditions onto high quality clear float glass. This coating gives the glass its solar control properties and its distinctive appearance.

Spectrally selective glasses combining good light transmission levels with a low solar factor, thus reducing air conditioning costs

- Have a blue grey appearance when produced on a clear substrate, make intelligent design for architects
- Environment friendly, eco application



# SAIC POLYTECHNIC INSTITUTE

**Project: SAIC Polytechnic Institute  
(SIMT Tower)**  
**Address: M/3, Housing Area,  
Mirpur-14, Dhaka**  
**Architect: Maruf Hossain**  
**Architect Firm: Archden Consultant**  
**Client: SAIC Group**  
**Glass Brand & Series: SGG- ST167**

## *Features:* *Stick Curtain Wall System*

Total Glass Area: 1400 Sqm  
Glass: SGG-ST167

Higher visibility low E solar control glass  
used in this project. ST 167 contains better  
thermal comfort for hot and warm climate.





# BORENDRO UNIVERSITY

**Project:** Borendro University

**Address:** Rajshahi

**Architect:** Tanvir Hassan Niru

**Architect Firm:** Synthesis

**Client:** Borendro University

**Glass Brand & Series:** XYZ- China Clear

*Features:*

*Stick Curtain Wall System  
Windows System*

**Total Glass Area-**

**Curtain Wall: 2000 Sqm**

**Windows: 1500 Sqm**

**Glass: XYZ- China Clear**



# PRASHAD POLTON SQUARE

**Project:** Prashad Polton Square  
**Address:** Polton, Dhaka  
**Architect:** Tanveer  
**Architect Firm:** In House  
**Client:** Prasad Group  
**Glass Brand & Series:** SGG- ST736

## *Features:* *Stick Curtain Wall System*

Total Glass Area: 2200 Sqm  
Glass: SGG- ST736

ST736 High performance advanced solar control glass that provides optimum light transmission with minimal visual glare.

Spectrally selective glasses combining good light transmission levels with a low solar factor, thus reducing air conditioning costs







# DPE

## Head Quarter Bhaban

**Project:** DPE Head Quarter Bhaban

**Address:** Mirpur-1, Dhaka

**Architect Firm:** Modern Engineers  
Planners & Consultants Ltd.

**Client:** Tazeem Enterprize

**Glass Brand & Series:** Nasir Glass-  
Lake Blue

### *Features:*

### *Stick Curtain Wall System*

Total Glass Area: 2300 Sqm

ACP (Bafoni): 800 Sqm

Glass: Nasir Glass- Lake Blue



# RUMDO

Institute of Modern  
Technology

**Project: RUMDO**

**Institute of Modern Technology**

**Address: Barbara, Bypass Road,  
Mymensingh**

**Architect: Maruf Hossain**

**Architect Firm: Archden Consultant**

**Client: SAIC Group**

**Glass Brand & Series: Nasir Glass- Clear**

*Features:*  
*Windows System*  
*EDF*

**Total Glass Area: 1200 Sqm**

**Glass: Nasir Glass- Clear**







# USTC

(University of Science and Technology Chittagong)

**Project:** Renovation of University of Science and Technology Chittagong  
**Address:** Chittagong  
**Architect Firm:** Binyash  
**Client:** USTC

*Features:*  
*Windows System*

Total Glass Area: 4000 Sqm





# Anglo Eastern Glass

## 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 break-age of the ordinary annealed glass, it is still being used in some of the buildings and constructions.

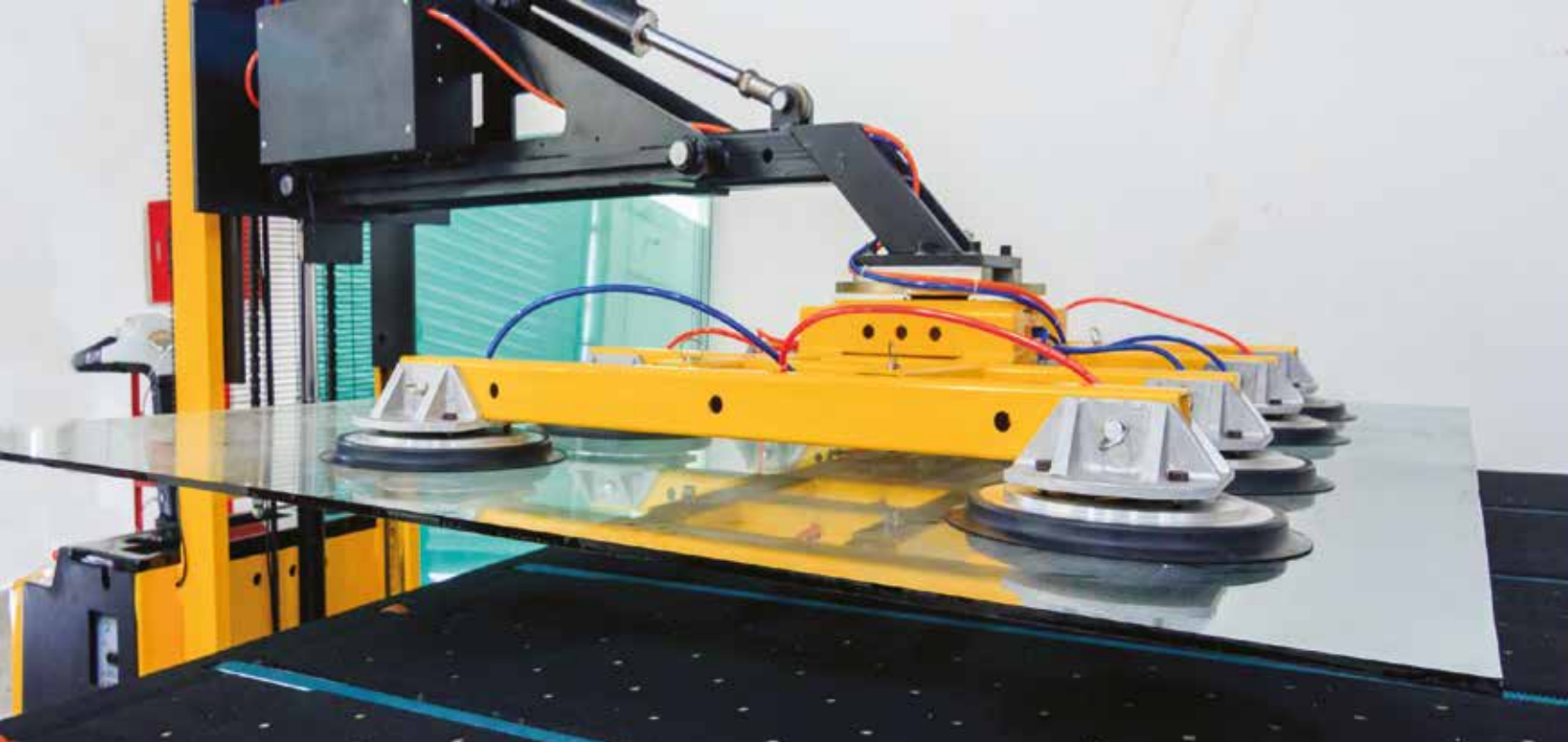
## ARCHITECTURAL GLASS VS TRADITIONAL BUILDING MATERIALS

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.

## OUR PRODUCTS

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





## **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.



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.

## TEMPERING AND HEAT STRENGTHENING

Hare 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.



## 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



## CNC MACHINE

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 advance 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

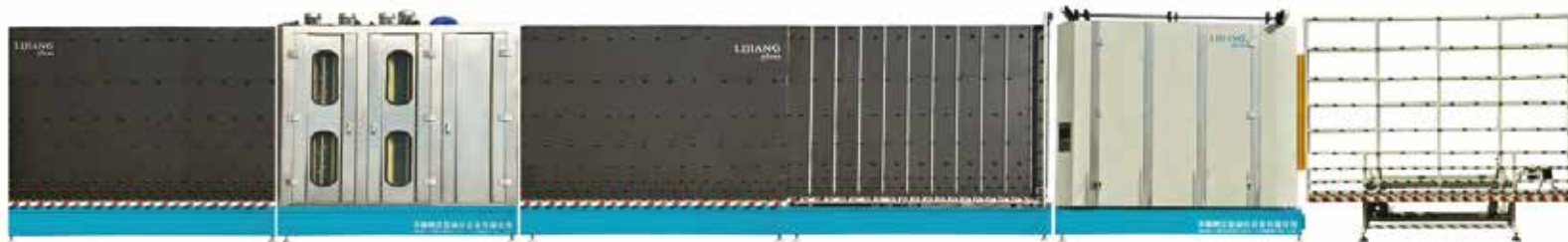
Glass thickness: 4mm – 19mm

Maximum glass size: 4060mm 2300mm

43



# 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 :  $\leq 50\mu\text{s}/\text{cm}$**   
**Air supply: Flow: 0.8m<sup>3</sup>/min**  
**Air pressure:  $\geq 0.8\text{MPa}$**   
**Total power: 3P380V 50HZ 25KW**  
**Dimension: 18500\*3500\*3600/18350\*2600\*3250mm**







## ANGLO EASTERN ART GLASS | Digital Ceramic In-Glass Printing

The latest innovations in glass printing technology open new opportunities to combine boundless creativity with highly controlled functionality. Full expression of vision and outstanding budget-smart performance delivery are now possible with digital ceramic in-glass printing.

Easy implementation Of any pattern or design, with unlimited colors, and high resolution for fine details.



Anglo Eastern Art Glass solution for digital ceramic in-glass printing meets complex functional performance requirements. It enables control of all special elements of architectural and designed glass:

- Translucency/opacity • Light diffusion and transmission • Energy efficiency • Privacy levels

Printing a new design on glass panels is well-suited to urban renewal projects where redesigning only parts of buildings is preferable to demolition and rebuilding. Using this technology can assist with LEED and other environmental certification.

From the initial design stage, through the value engineering process, Anglo Eastern Art Glass assists architects, designers and consultants with calculating the long-term savings enabled by digital ceramic glass. If needed, Anglo Eastern Art Glass helps evaluate alternative printed ways of using digital in-glass printing, so that printed glass elements can be kept in a project, even as budgets change over time.



a concern of  
**ANGLO EASTERN COMMODITY LTD**



**[www.angloeasternglass.com](http://www.angloeasternglass.com)**

**Head Office: Road: 14, House: 11, Flat: 2a  
Gulshan- 1, Dhaka- 1212 ■ +880 2222260881**

**Factory: 4/1 Ramnagar Road, Bandor, Narayanganj**