**GLASS SERVICES**

CATALOGUE

# GLASS WORLD

## INNOVATIONS



## ABOUT US

We, the Glass World established in 2008 and now become No.1 glass trading company nationwide. Now we proudly introduce our new division as Glass World Innovations (GWI). This will be actively involved in processing glass and will provide integrated glass solutions to its extensive network of clients. GWI ensures the accurate fabrication of every order with respect to the international accepted quality control standards.

- A full line of value-added glass under the same roof
- A team of qualified experts
- A company at your service for over 10 years

***Why chose us .....The World-Class Machinery***

Our production facility is equipped with machinery that is ahead of its time. The main processing machines such as the

- Automatic cnc cutting line (vetromac Italy)
- Tempering (Landglass, European Technology)
- Insulating (weili, china )
- Horizontal Washing and Drying Machine ( GTA, Germany)
- Glass Edging Machinery (Enkong, China)
- Glass Drilling Machinery (Schraml, USA)

VETRO MAC · LandGlass · Weili · GTA · ENKONG · Schraml GLASTECHNIK

We are capable to process every type of glass, clear, colour, coated, Low E and all special coted Glass from the world best manufactures

Ghani Pakistan's No. 1 Glass Brand · GUARDIAN · AGC GLASS UNLIMITED · PILKINGTON · SAINT-GOBAIN GLASS

## GWI-CUTTING MACHINES:

with our wide range of float glass cutting systems, CNC glass cutting machinery SL40-26VETROMAC is most renowned in the world and are more reliable, perform better and last longer because every single part is designed with 3D CAD technology, processed by CAD CAM and machined with a CNC Working Center.









First & Newest in Pakistan

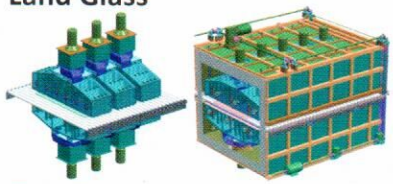


## GWI-SAFE TEMPERED GLASS

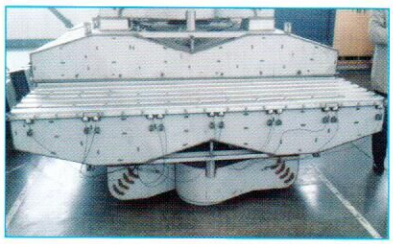
Tempered glass is approximately four times stronger than annealed glass of the same thickness. Under impact, it shatters into small Fragments that are not sharp, minimizing the risk of serious injury. Our tempered glass machinery is Land glass Jet Convection F&B Bi-directional Tempering Furnace which has certification by TUV, Germany. Which Can Tempered online & Off line (E= 0.02) Glass

***Comparison of convection system.***

**Land Glass**

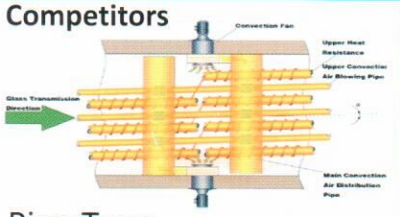


Box Type

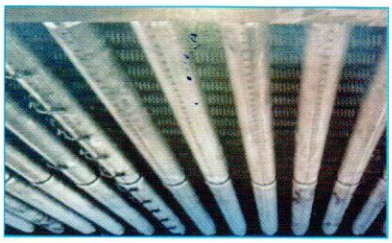


VERSES

**Competitors**



Pipe Type



**Breakage Pattern**



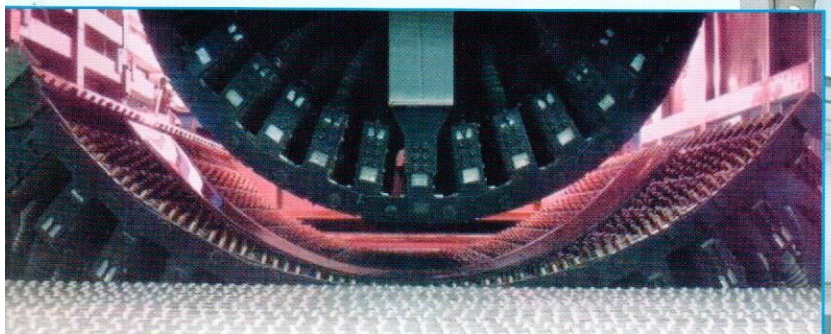
**Annealed Glass**



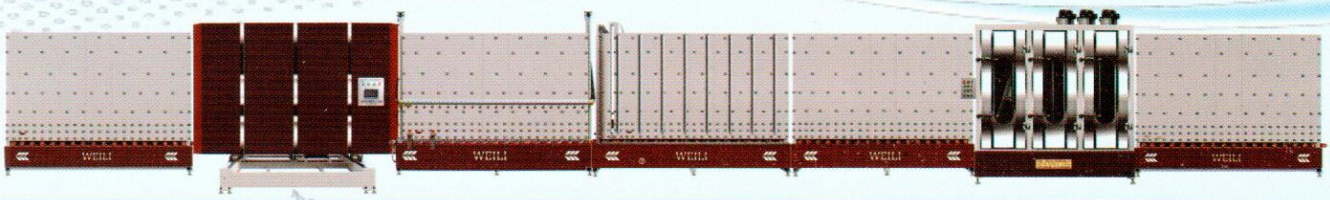
**Tempered Glass**

## GWI–BENT GLASS

Architecture had never been so daring in recent times. GWI- realizes the unlimited potential of curved glass in today's industry and provide assistance and advice to architects, designers and developers on tapping the beauty and excitement of curved glass in their projects.

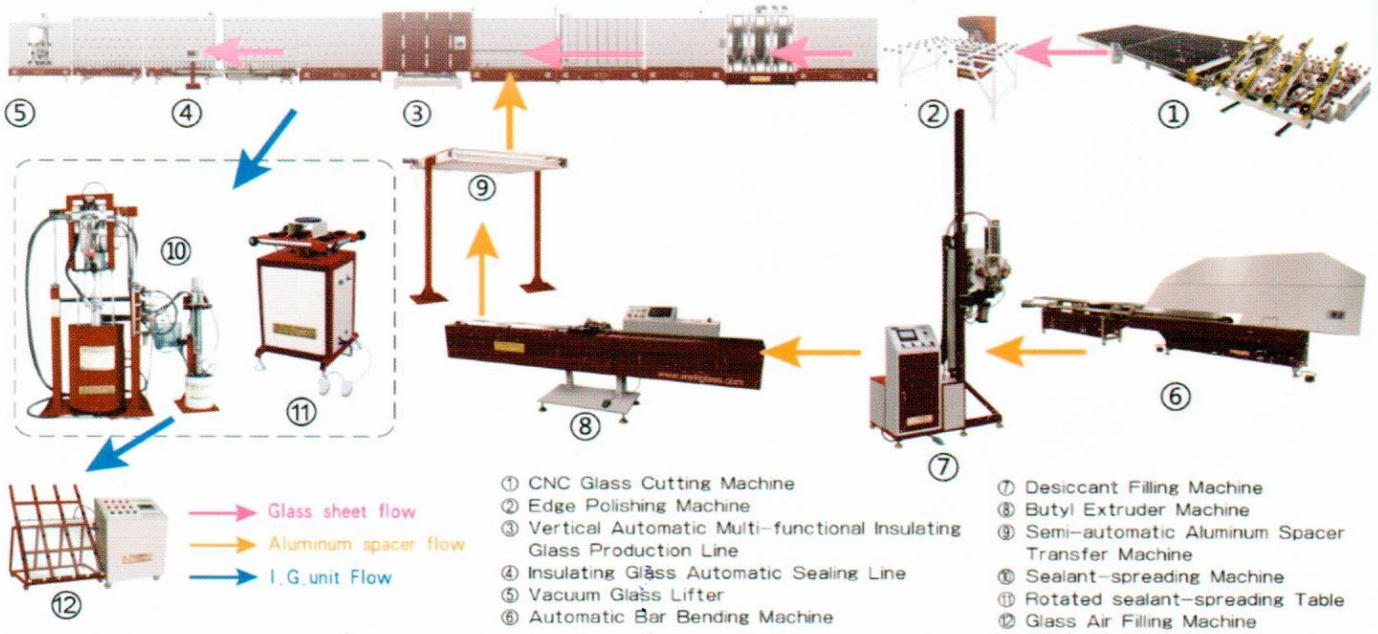




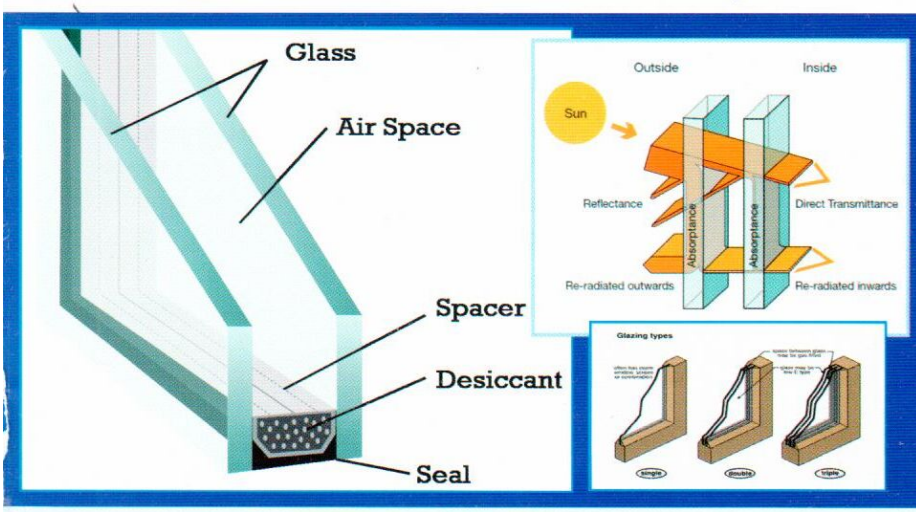


## GWI-INSULATINGGLASS

Insulating glass is a hermetically sealed assembly of two or three lites of glass separated by a space of dehydrated air. Sealed units can increase the energy performance of a building's windows to reduce heating and cooling costs.




① CNC Glass Cutting Machine
② Edge Polishing Machine
③ Vertical Automatic Multi-functional Insulating Glass Production Line
④ Insulating Glass Automatic Sealing Line
⑤ Vacuum Glass Lifter
⑥ Automatic Bar Bending Machine
⑦ Desiccant Filling Machine
⑧ Butyl Extruder Machine
⑨ Semi-automatic Aluminum Spacer Transfer Machine
⑩ Sealant-spreading Machine
⑪ Rotated sealant-spreading Table
⑫ Glass Air Filling Machine







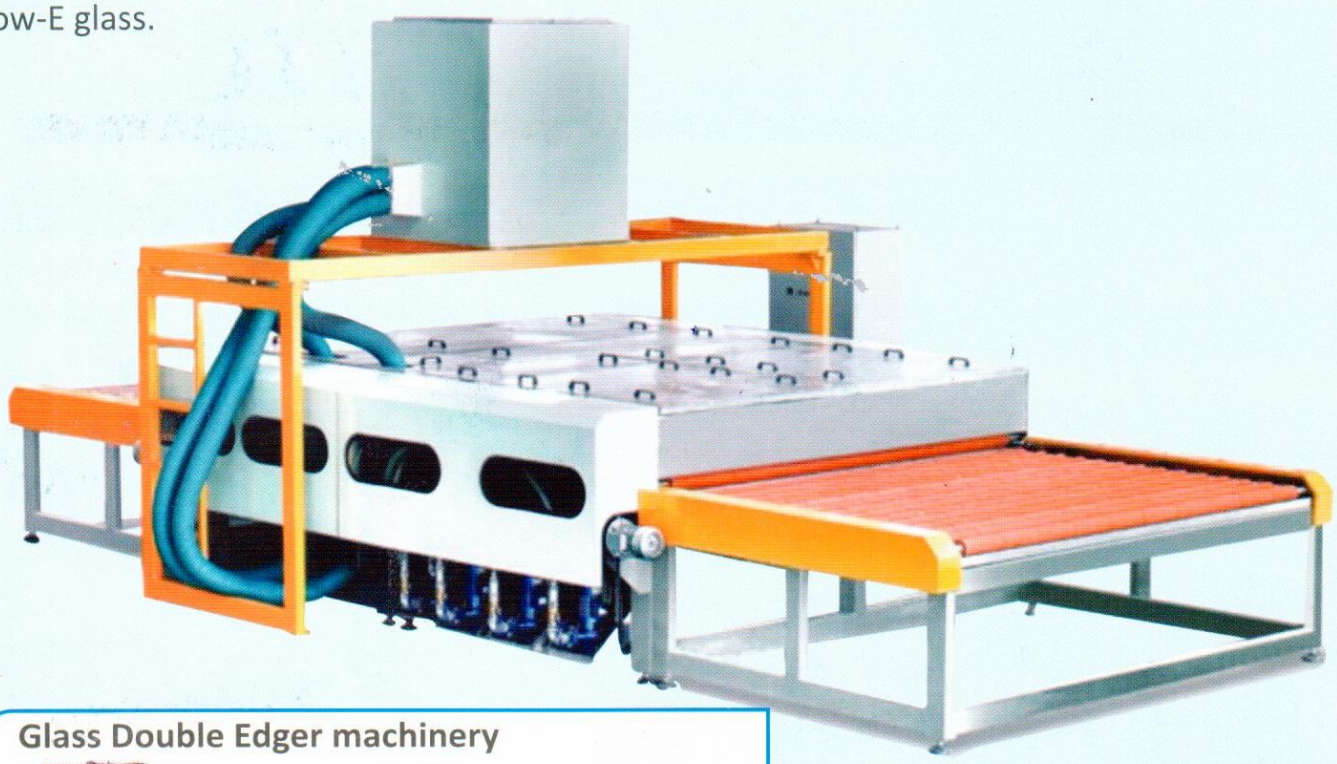

## GWI-LAMINATEDGLASS

Laminated glass is an assembly of one or more lites of glass and one or more interlayers, usually of polyvinylbutyral (PVB). This glass is treated under high pressure and intense heat. Once treated, these layers are perfectly bonded together to form a single monolithic panel of glass. Changing the quantity, type or thickness of laminatedglass components allows us to design glass products containing specific properties.

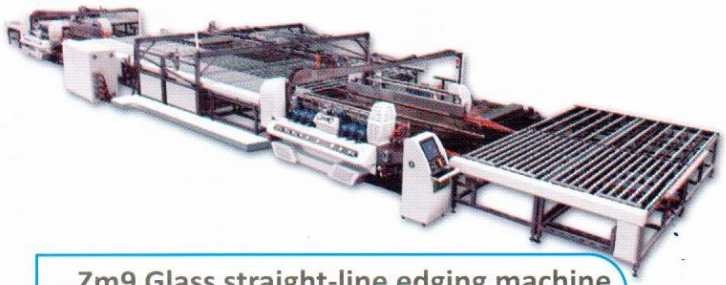
## GWI- PREPROCESSING

GTA QX26 Glass washer & drier

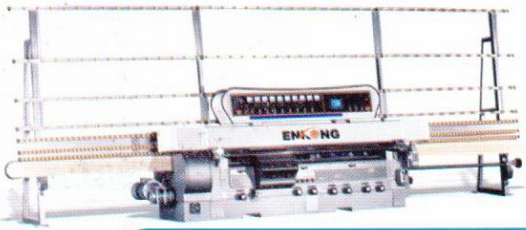
Glass washing and drying machine is used for cleaning and air-drying of flat glass panes. Machines can process various types available for different glass like float, coating and low-E glass.



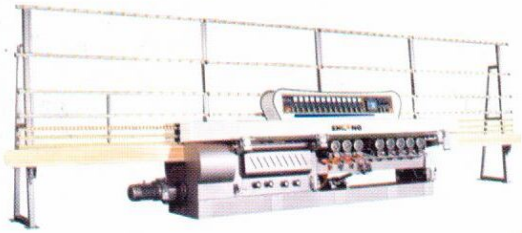
### Glass Double Edger machinery



### Zm9 Glass straight-line edging machine



### Xm354 Glass straight line bevelling machine

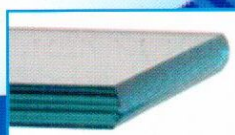


### Zj130 Glass Horizontal Drilling Machine



### Yxm1 Glass Shape Edging Machine

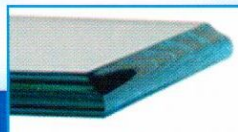




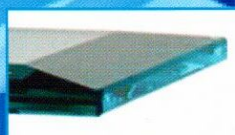
Pencil Polished



Flat Polished



Og Edge



Beveled Edge

## THE QUALITY PROMISE

Your glass quality is our passion!
European / British standards followed:

- EN 12150-2 Glass in Building. Flatness ⩽ 2%.
- EN 1279 Glass in Building. Insulated Glass Units.
- EN 1096-1 Coated Glass American standards followed:
- ASTM C 1048 Standard specification for Heat-Treated Flat Glass-Kind HS, Kind FT Coated and Uncoated.
- ASTM C 1036 Standard specification for Flat Glass

**Note:** Some degree of bow, warp, roller wave distortion and strain pattern are inherent characteristics of heat-treated glass. Industry fabrication requirements, product tolerances and testing procedures for heat-treated glass are defined in the ASTM C1048 and the CAN/CGSB 12.1 standards.

## WORLDWIDE TOP GLASS PROCESSORS WHO USING LANDGLASS FORCED CONVECTION TEMPERING LINE

Oldcastle Precast®
KUKYOUNG G&M
Sydney Glass Flat Glass Distributors
SCHOTT glass made of ideas
Taiwan Glass
耀皮玻璃集团
XYG 信義玻璃
SG
金晶
FARUN 华尔润集团

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