Insulated Glass Production Set up



Glass Processing Machines



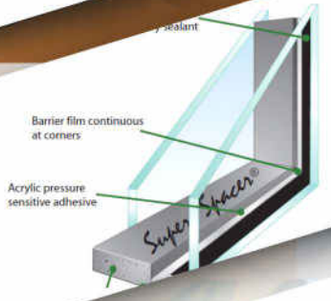
UPVC Window Fabrication Machines



Aluminium Window Fabrication Machines



Super Spacer Technology for IG



Insulated Glass Sealants



GlassWin

Introduction

Glasswin is established in 2012 situated in PUNE, we work in the Field of Capital Equipment Sales and Service support for India market. With our international suppliers we supply the right products suiting to customer needs, we represent the top foreign companies to market their products in India, Machinery sold by Glasswin goes through strict quality norms ensuring its Modularity, Accuracy, Productivity, Reliability and consistence results. Most important these norms made based on our experience of over 15 years in Machine Tools industry means of also ensuring the good service back up for our company, results of this is over 80 % of our sales is achieved amongst our existing cliental. We believe in principle once a customer always a customer of Glasswin, which bring us to provide focus attention to the individual needs of our clients.

Industries Glasswin caters for machinery sales includes, Fenestration (windows) manufacturers, Façade manufacturers, Flat Glass Processing and Wood processing Industry. Our company follows the complete professional approach towards services offered to our clients such as Plant Layouts, Process Flow, Electric / pneumatic connections, Machinery Installation, Breakdown maintenance, CNC programming, Moulds and Fixtures, Manpower supply, Machine up gradations, Spare parts supply and retrofitting of machines.

Glasswin well recognized for offering value added product services to our customers, in the Fenestration industry apart of Windows fabrication we deals with Insulated Glass manufacturing machinery set up, Decorative Glass manufacturing set ups, Sealants and consumables. Our customers are successfully capitalizing additional revenue from these value added product services; they also use these tools to stand out of conventional competitors.

Glasswin's dedicated team of engineers developed various tools and service packages to ensure maximum uptime and efficiency of machines our services, includes Exclusive economical packages for preventive maintenance of machines, Annual Maintenance Contracts, Preventive Maintenance Check lists, Tele-presence System, Calibration Tools etc. At our facility in Pune we have well equipped system for warehousing & inventory management, where we maintain the stocks of critical spares and consumables; with our logistics partners we ensure the quick delivery of spares and consumables at any corner of India.

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Window Industry

- PVC windows Manufacturing set up – 30 to 300 windows per shift production Capacity
- PVC profile extrusion line Production Capacity – 160 kg / Hour to 1700 Kg / Hour
- Aluminium Fabrication Machines, Multi axis Aluminium CNC processing Centres
- Machines Spares and Consumables

Glass Processing Industry

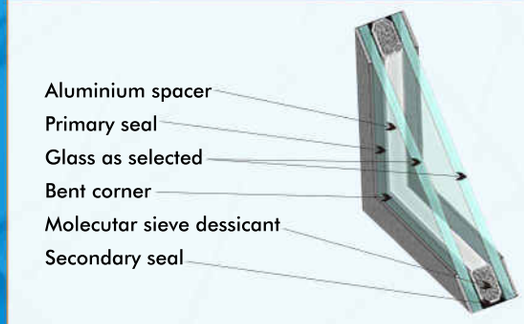
- Production set up for Insulating Glass with single and two part extrusion
- Horizontal Glass Washing Machine Verticle Glass Washing Machine
- EVA & PVB Glass Lamination Line
- Glass Edging, Beveling Drilling, Sand Blasting and CNC Glass cutting Table
- Insulating Glass - Hot melt Sealant
- Super Spacer for Insulating Glass

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Insulating Windows Glass, its importance, production methods of IG

DGU CONSTRUCTION

Cross Section



Double glazing is also known as insulated glazing and it refers to the use of two panes of glass to cut down on heat transmission and noise in windows and doors. All buildings lose heat through their windows but by double glazing your windows you will be assured that your family is comfortable at all the time in your home. This type of glazed window has various advantages which include keeping the home protective from outside heat, quieter as well as reducing your energy bills.

Traditionally IG glasses are manufacturing with silicon / polysulfide sealant technology. Though GLASSWIN introduced new Bostik Hot melt as secondary IG sealants' in India. Which is single part sealant and do not required addition of hardener.

Bostik is one of the largest adhesive and sealant companies from England. Worldwide, they employ some 5,000 people in 50 countries across five continents



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Key Advantage of using Hot melt Butyl sealants for IG Production as below,

- Lower capital investment than silicon -polysulfide technology.
- No need of primary sealant.
- Maintenance Free.
- Cost of Hot melt extruder is much lower than 2 part extruder.
- Less space needed for production equipment.
- Lower raw-material inventory requirements.
- Less Curing time (30 min) compare to silicon polysulfide (18 hr.)
- Low wastage compare to silicon polysulfide.
- Reduction in energy costs. (Operates on single phase)
- Portable manufacturing system facilitate on site work.
- Enhanced environmental impact while manufacturing and disposal
- World wide acceptable for windows and doors (with Frame Applications)

INSULATED GLASS MANUFACTURING.



Vertical Glass
Washing Machine



Hotmelt Extruder



Insulated Glass
Panel Press Line



Clamp Table



Free Stand
Desiccant Dispenser



Butyl Extruder

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GLASS PROCESSING MACHINES



Horizontal Glass
Washing Machine



Glass Edging and
Bevelling Machines



EVA Glass
Lamination Line



Glass Cutting
Table



Glass Drilling
Machine

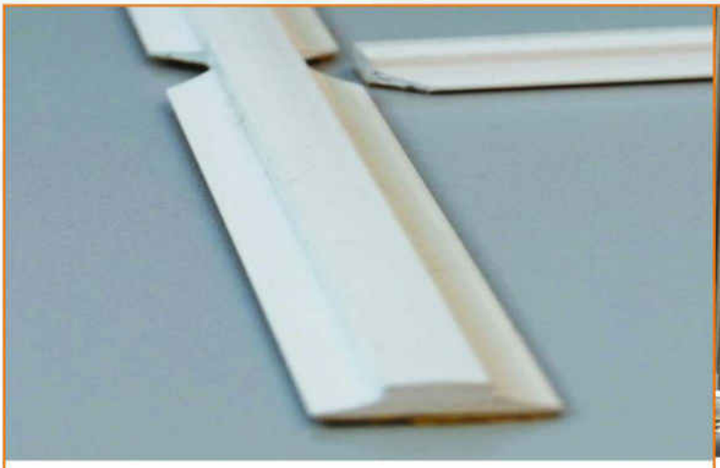


Glass Sand
Blasting Machine

GlassWin

Designer Glass, Lead & Georgian Bar Applications –

Glass win promotes the value addition services to fenestration industry.



Georgian Bar Raw Material



Georgian Bar- Application



Decorative Glass – Raw Material



Decorative Glass- Application

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Super Spacer technology for IG Production

Super Spacer®

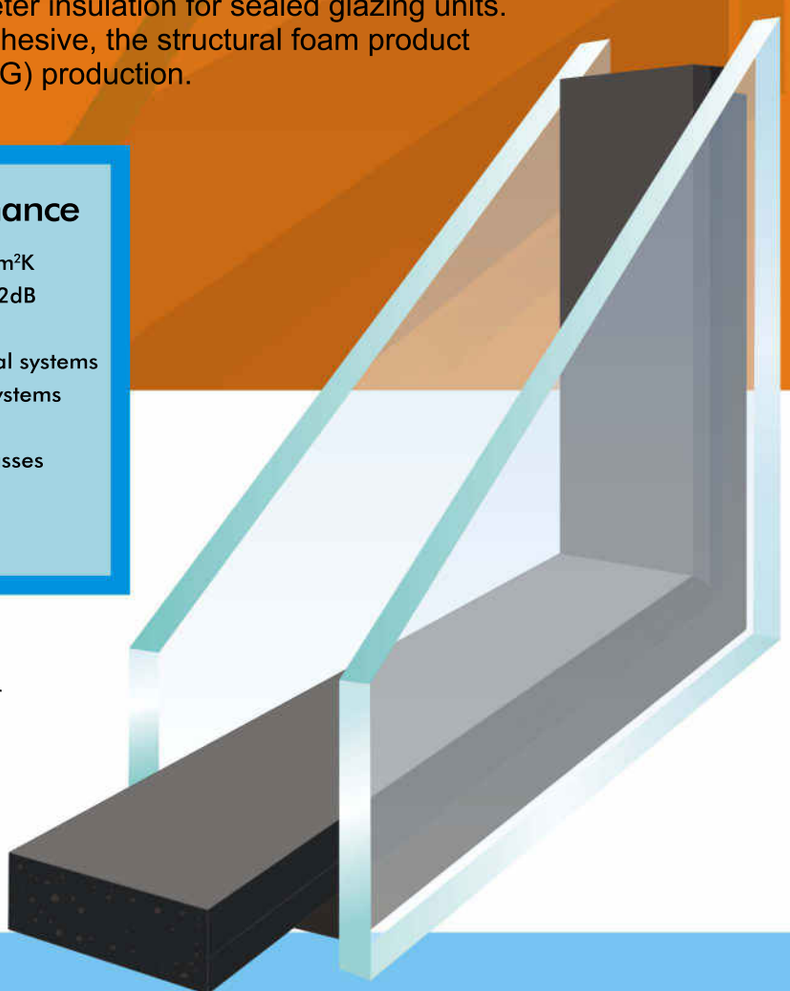
Edgetech
A Quanex Building Products Company

Super Spacer® is a flexible, silicone foam spacer technology by Edgetech UK.

Super Spacer provides excellent perimeter insulation for sealed glazing units. Desiccant-filled with pre-applied side adhesive, the structural foam product significantly simplifies insulating glass (IG) production.

Super Spacer Proven Performance

- Reduces window U-values by up to 0.2W/m²K
- Reduces external noise pollution by up to 2dB
- Reduces condensation by up to 70%
- Typically lasts over 2x longer than dual seal systems
- Typically lasts 5x longer than single seal systems
- Successfully tested from -15° to 125° C
- More than 100 EN1279 Part 2 & Part 3 passes
- ISO 9001 accredited
- 40-year performance guarantee



Super Spacer is a dual seal insulating glass spacer system that uses a high-performance acrylic adhesive for its structural seal and is backed with a proprietary multi-layer moisture vapour seal.

Compatible with:

- Hot Melt Butyl Secondary Sealant

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Glasswin represents

UPVC AND ALUMINIUM FABRICATION MACHINES FROM KABAN – TURKEY



HB 2010 – Double CNC profile cutting machine



MA 2010 – Double Head PVC Corner Welding Machine



CD 3050 - 2 Axis CNC corner cleaning machine for PVC Profiles





DE 4050 – Copy Routing Machine



LC 2010 – Water Slot wit 3 Drills



HD 2010 – Glazing Bead Cutting Machine

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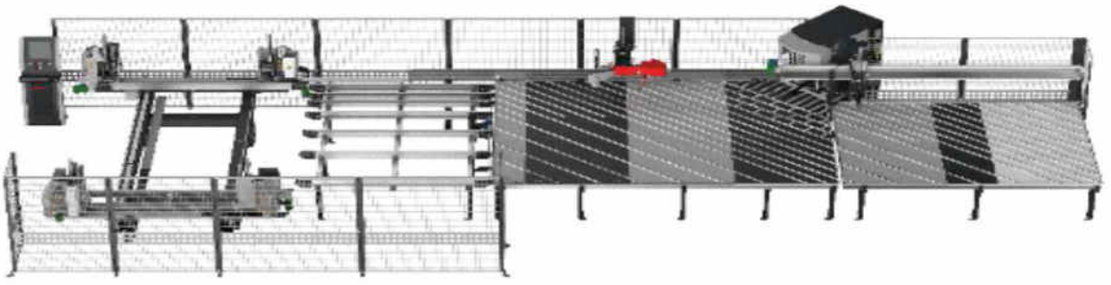
SB 3010 – PVC profile
processing centre



ZC 3020 – Aluminium
Processing CNC 4 Axis



FA 1080 – PVC Profile
Processing Centre



TD 3010 – PVC 4 head
corner welding and cleaning line



GlassWin

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