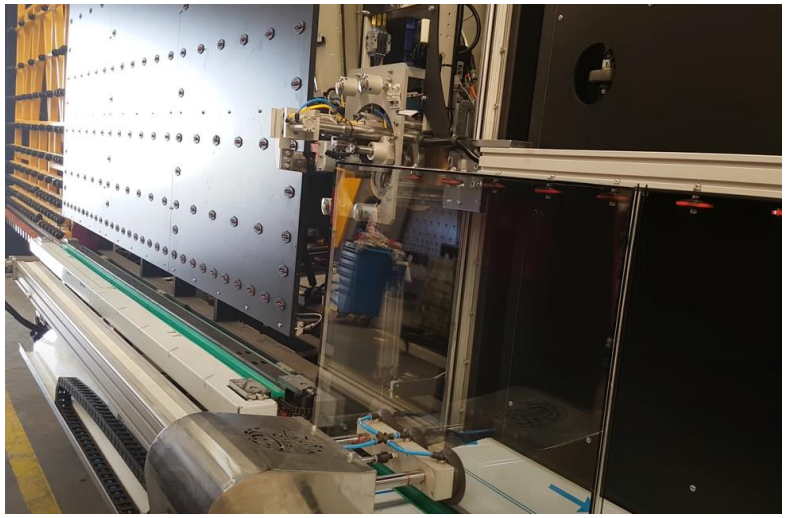
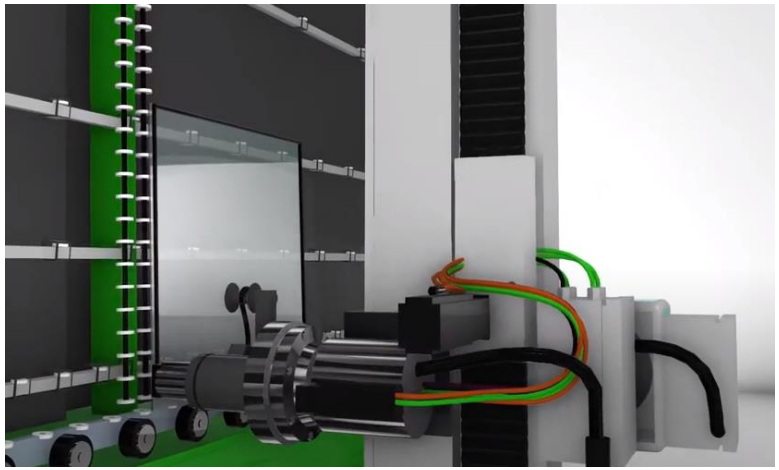
Ravensby Glass

Forel ‘No-Limits’ IGU Line

Installation of a new automatic IGU line scheduled early 2021





The additional Forel ‘No- Limits’ IGU line will be installed to manufacture and meet market demand for oversize insulated units, following the architectural trend for bigger glasses in commercial facades. This Additional IGU line offers Ravensby a significant uplift in capacity, faster turnaround and a larger maximum size of 5000mm x 2800m.

- The built in quality control scanner identifies imperfections in the panes out with industry standards. Each scan is logged ensuring future conformity and quality of the product.
- Automatic gas filling ensures compliance with 90% gas fill dictated by British and Industry standards.
- Multi headed automatic sealing station allowing instant switch between polysulphide and silicone sealants.
- Fully automated application of Edgetech warm edge commercial Triseal spacer bar offering PSI values as low as 0.033 W/mk.

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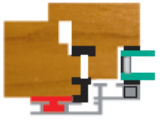
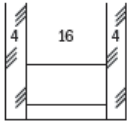
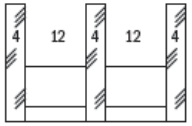
Edgetech
A Quanex Building Products Company

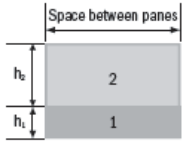
Super Spacer®
TRISEAL™ & T-SPACER

Super Spacer® TriSeal™ Premium is a flexible, silicone foam spacer designed to satisfy the toughest commercial glazing demands including silicone structural glazing (SSG).

TriSeal Key Benefits

- Reduces energy consumption up to 15% within curtain wall glazing systems and up to 29% across glazing systems
- Dramatically reduces seal failure and stress crack callbacks
- Passes the toughest industry tests (ASTM 2190; EN 1279)
- Warmer sightline. Up to 8°C improvement
- Improves U Value by up to 12%
- Noise reduction by up to 2 dB

		Metal with thermal break	Plastic	Wood	Wood / Metal
Representative frame profile					
Representative psi value double-sheet thermally insulating glass W/mK	 Double-sheet insulating glass U_g=1.1 W/m²K	0.039	0.033	0.033	0.034
Representative psi value triple-sheet thermally insulating glass W/mK	 Triple-sheet insulating glass U_g=0.7 W/m²K	0.033	0.032	0.031	0.032

Two Box model Characteristic values	Space between panes in mm	$\lambda_{eq,2B}$ in W/mK	
		Box 1 · h_1 = 3 mm	Box 2 · h_2 = 7.3 mm
	Can be used for all spacer widths	0.40	0.15