

Gyrotrontech Laminating System (GLS) for Autoclave -free Laminating Glass and Solar

The GLS is a professional glass laminating machine that functions without autoclaves, vacuum bags, or membranes and thus is free from their problems. It is the most advanced and productive laminating equipment available today.

The GLS provides in-line glass laminating and product is produced continually. System improves your flexibility and market responsiveness.

The GLS enables you to save money in the key areas of capital expenditures, operating expenses, energy consumption, and floor space. You may use any films with the GLS, including EVA, PVB, SENTRYGLAS, TPU, and Ionomers.



The GLS works for safety, hurricane, ballistic, fire- rated and other laminated glass products. It can also be used to encapsulate different kinds of solar modules, including those with backsheets. It is suitable for clear, coated, mirrored or colored glass in an annealed or tempered state and for laminating products sensitive to pressure and temperature, as well as products with decorative and functional inserts.

The GLS can be successfully used by big and small companies. It is fully automated and easy to operate. The GLS requires minimal maintenance and no special knowledge or experience. GLS is the best option for bringing laminating business in house. Average payback time is within one year.

Maximal glass size	GLS can be built for any custom size
Minimal glass size	12" (250 mm)
Single glass thickness	0.7 – 20 mm
Cycle production time	3-6 minutes (a special design for shorter cycles is available)
Film type and thickness	No limitation
Footprint	Near the largest glass size
Energy consumption (per 1m²)	1.5 kW-h (glass 3/16" + 3/16")
Compressed air	100 psi



The entire laminating process can be accomplished in the vacuum laminator where trapped air, moisture, and gases are completely pumped off while the sandwich is being heated. The sandwich lays freely on the conveyor without being subjected to pressure.



The line can be equipped with a conventional forced air oven to pre-heat the product and increase production rate. Productivity can be increased further if the line is equipped with another forced air oven for final product heating.

For more information, a demonstration or to place an order, please contact us at

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