



Description

Simtech **Ovens** are mainly dedicated to the lamination of safety, architectural & decorative glass.

The “**plug & laminate**” concept shows all the know-how that SIMTECH developed during its close collaboration with the laminated glass industry.

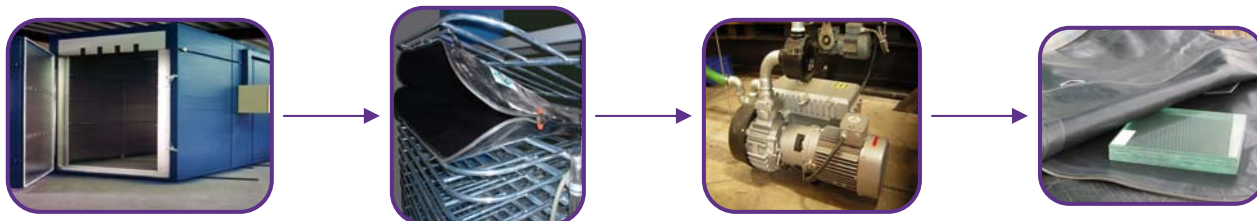
We supply the complete solution that includes the specific oven for glass lamination and the vacuum system, the trolley, as well as of course series of vacuum rubber bags & connectors.



Principle

Traditionnally, the lamination of glass with PVB needs an autoclave, a compressor, a clean room, a cooled storage room & other equipment what induces an important investment. Thanks to an **autoclave-free process** and the use of EVA, these costs are highly reduced. Of course, our ovens can both laminate glass with EVA or “autoclave-free” PVB interlayers and also be used a pre-press oven, before the glass go in the autoclave.

Then, the minimum equipment necessary to laminate glass would be: an oven, a trolley, a vacuum pump, one or more vacuum rubber bags.

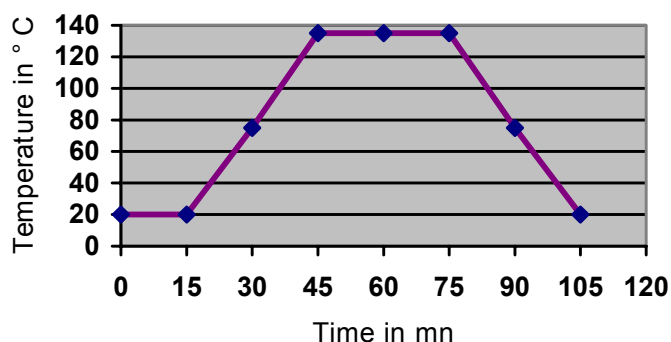


Characteristics & advantages

- Minimum sized
- Air heated electrical oven
- Power: For example 80kW for a 12m³ oven
- Horizontal air circulation between the racks of the trolley
- Insulation: 100mm Rock Wool
- Cycles from 20° to 150 °C within 30 min (4°C/min)
- Option: heating suitable for the “Heat Soak Test” (280°C)
- Cycles faster than in an autoclave
- Precision $\pm 2^{\circ}\text{C}$ (constant temperature)
- Precise and complete control & regulation system with programmer (multi-cycles) & security system
- CE marking
- Ex.: capacity for a 12m³ (3x2x2m) oven:
from 104 to 160m² of glass within 8h, depending on curves and thickness of the glass.



Laminating Cycle (Example)



See also

vacuum rubber bags



Other accessories & services on demand
to continuously improve your productivity



Simtech remains at your disposal for all your projects

Concerned with the quality of the products, Simtech reserves rights to modify specifications without prior notice. Non-contractual pictures.