

HAL

Flatbed tempering oven

LiSEC

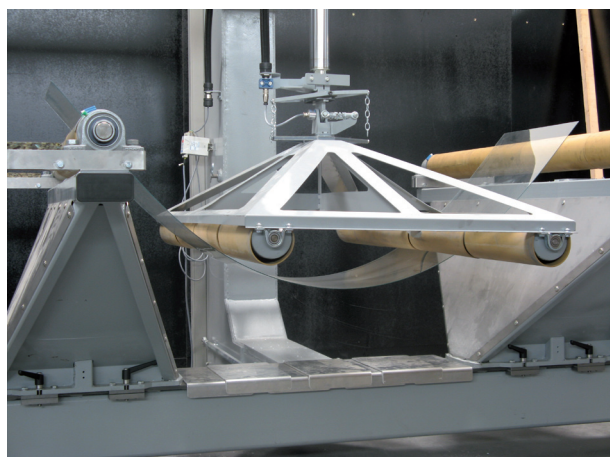
CREATING VISIONS. PROVIDING SOLUTIONS.



LiSEC's flatbed tempering furnace is at the forefront of technology. This system facilitates tempering of thin glass (in accordance with E 572-2) with minimal optical distortion. Within the furnace glass is transported by the patented LiSEC air cushion system. Therefore roller waves, which are caused by the ceramic rollers used in conventional horizontal furnaces, are non-existent. Roller waves can not be created as the surfaces of the glass sheets are not being touched in the LiSEC tempering process. Additionally, low energy consumption, high quality and efficiency of the LiSEC tempering furnace set new standards in this field.

Highlights

- No contact with the glass surface
- Substantial energy savings in comparison to conventional systems
- Heat-treated thin glass with less than 1mm thickness resulting in up to three times higher bending tensile strength
- High convection, ideal for all coated sheets
- Patented air-cushion system suitable for double-sided coatings
- Tempering of thin glass down to 2.85mm (in accordance to EN 12150)
- Best suitable for surface-treated / finished sheets
- Lowest optical distortions (no roller waves)
- Simple integration in automatic production line
- No downtime when changing the glass type
- Flexibility due to modular design



Bending test - 120 N/mm² at a glass thickness of 2mm guaranteed

Technical Data	
Unit thickness	0.9-8mm
Minimal size	500 x 180 mm
Maximal size	5000 x 1700 mm
Load max.	20 kg/m ²