Machines for Ceramic Ink Printing

Hasel steiner | FLEISCHLE

www.haselsteiner-gmbh.com



TEMPERING PROCESS OPTIMIZED

COOLTEMPER

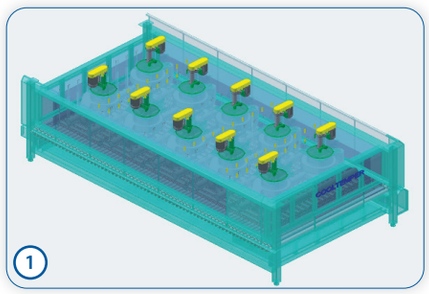
Full convection or radiation? Cooltemper „FireJet“ can both!

COOLTEMPER
Safety Glass Systems

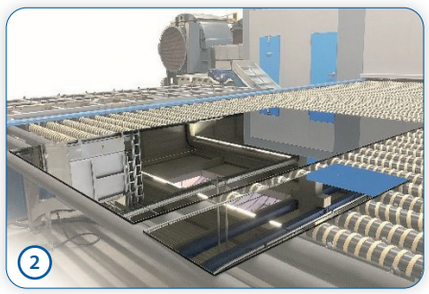
- Minimal maintenance Costs
- Warranty on heating elements for years
- Oscillation length 1200 and 1600 mm
- Energy saving Quench technology
- No Compressor for Convection required

(1) sectional convection fan for best convection and easy balancing

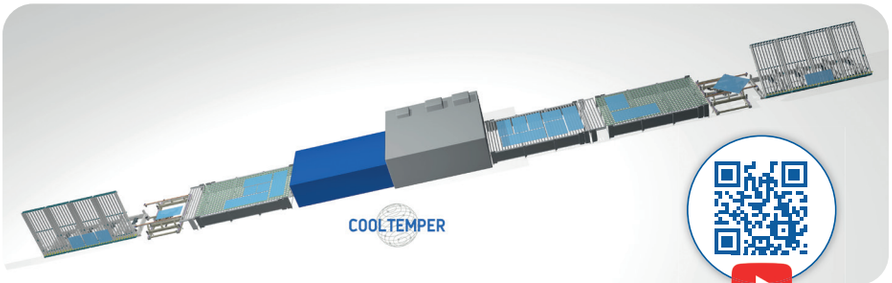
(2) high reflective coatings perfectly tempered



utmost efficient convection



perfect quality



basic layout for fully automatic tempering line

see animation

Fully automatic furnace bed loading and unloading

- Continuous loading
- Continuous off-loading
- Optimized bed utilization
- No size restriction
- Lowest tempering costs per m^2
- Minimum CO2 costs per m^2 glass
- Never touch the coated glass surface

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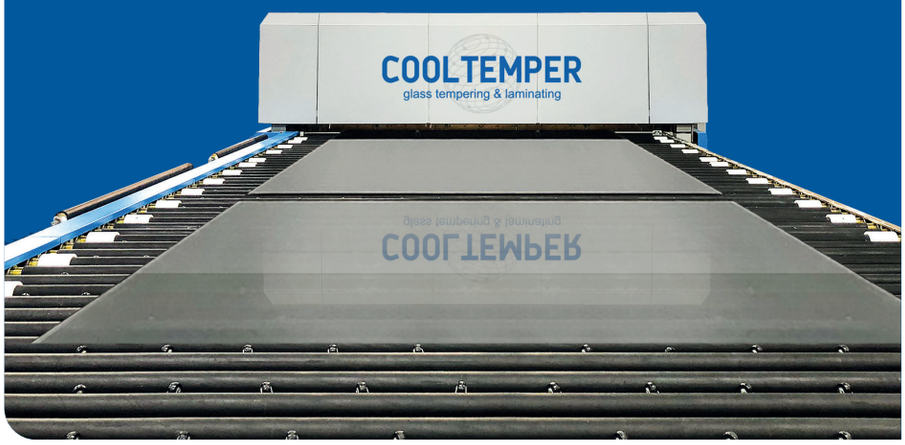
COOLTEMPER
Safety Glass Systems

COOLTEMPER „FIREJET“

For each temper-able glass quality, from 2,8 to 19 mm high quality coatings

Tempering furnace with best anisotropy values. Highest quality for complex coatings.

- Batch and continuous furnaces
- Full convection and/or best radiation heating in one furnace
- For all industry standards from 2.5 to 25 mm
- Newest quench technology with energy savings



newest quench technology

Cooltemper „Power-Jet“

highly efficient, flexible, costs saving, best quality



complex products – intelligent technology

Cooltemper „Mini-Jet“

Specialized for small glass sizes: 50 x 50 mm, glass thickness 2,0 – 19,0 mm



the little all-rounder

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