

Optional advanced technology and features include:

scanGUARD

Online thermal mapping camera incorporating a power / production data collection package enabling 24/7 production and energy analysis.

stressGUARD

Online anisotropy analyzer & furnace optimization package that incorporates the latest in eVision technology.

enviroGUARD

Automatic air pressure and air temperature balance control system.

loadGUARD

Product recognition and auto recipe configuration system.

careGUARD

Tailored service, spare parts and training package to suit individual customers requirements.



COOLTEMPER

Safety Glass Systems

ISO 9001-2000 certified manufacturer



www.cooltemper.com

COOLTEMPER

Safety Glass Systems

For more information, please visit our website or contact us directly

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Cooltemper Advanced Technology

FireJet 2.0

FireJet

Re-circulated top convection with turbo blower bottom convection.

FireJet CT

Continuous furnace with re-circulated top convection with turbo blower bottom convection.

FireJet+

Re-circulated top and bottom convection.

Incorporating the latest **Pro-Temp** technology



Dynamic Quench System

- Saving power with small loading.
- Auto adjustable with recipe.

Dynamic Windbox System

- Saving power with small loading
- Auto adjustable



Auto Recipe System

- Effectively saving man power.
- Fuzzy logic control for suitable recipes.

Smart Energy Management

- Saving energy between loads.
- Better energy efficiency usage.

Windows based IPC control system incorporating our advanced **cycleGUARD** and **inCycle technology**.

Pre-heated bottom convection air for faster cycle times & energy efficiency.

High efficiency bottom convection **turbo blower**.

Open ceramic roller drive system and accurate PUR belt drive.

NoiseGUARD attenuated sound cabinet around the quench area.

Pneumatic operated fast opening quench system and screw jack micro adjustment.



FireJet 2.0

The new **FireJet** series of glass tempering furnaces guarantees a combination of high efficiency with perfect glass quality.



ZoneGUARD

Power efficient fuzzy logic multi directional zonal heating control system.

ControlGUARD

Ergonomic Windows based interface incorporating Cooltemper's unique inCycle technology.

RollerGUARD

Ceramic roller end cap and roller bearing cooling system.



CycleGUARD

Enabling continual loading of glass, from 3-19mm across all product ranges maintaining maximum production & labor efficiency.

PowerGUARD

Incorporating advanced technology to minimize and record energy consumption.

QuenchGUARD

Dynamic air balance & independent screw jack micro adjustment air delivery system that incorporates our unique inCycle technology.

High efficiency VFD driven quench & cooling fans with vibration monitoring system.

Independent & accurate screw jack top & bottom quench nozzles.

Oven area lined with high grade stainless steel reducing dust issues.

Zonal hot air fan system for even pressure distribution.

Hot air **re-circulation fans**. Air cooling system for minimum maintenance.

PowerGUARD energy efficient fuzzy logic pulls power heater control system incorporating percentage power input controls.