

vötschoven

Perfecting performance.

Post-curing ovens
for elastomers.

weiss-technik.com

Always close by.
There for you in partnership.

vötschoven.
Hot. Reliable. Efficient.



Innovation through passion.

With 22 companies at 40 locations in 15 different countries, we work in partnership to support customers in the areas of research, development, production and quality assurance.

We engage in strategic cooperation with our customers, from the R&D phase to the start of production. With our continuously expanding team, we ensure that reliable support and service are close at hand - wherever you may be and wherever you want to go.



From the market leader in heat treatments.

Post-curing is a key step in elastomer production. It ensures the necessary cross-linking for optimal material properties – while simultaneously enabling the safe removal of volatile by-products (VOCs), which is essential for applications in the medical and healthcare sectors.

Our flexible and modular system design ensures efficient, safe and reliable tempering processes.

Customised solutions from a single source.



Especially for applications in post-curing treatments, we have been developing, planning and producing customised systems with our experienced team for decades. Our project process comprises three steps:

1. Non-disclosure agreement & technical coordination

- Materials (product size, quantity, EN 1539 considerations)
- Process parameters (temperature,, precision, air exchange rate, clean room class, energy saving)
- Handling concept (continuous movement, degree of automation)

2. Project planning & pre-engineering

- Experience-based system layout and process or ageing test in the application centre in Germany
- Safety calculation and definition of final process parameters and the degree of automation
- Technical specification with detailed explanation of the system

3. Implementation of the solution

- Individual routine testing and FAT on demand
- Installation, commissioning and SAT
- Validation and after-sales support

Our specialists for post-curing of elastomers.

Silicone tempering oven with rotating drum trolley.

Technical data

Nominal temperature: 220 °C
Temperature distribution spatial:
±3 K at 220 °C
Max. silicone amount: 37 kg
Air exchange rate:
100 l/ (min. *kg silicone)



System description

- High circulating air flow
- SIMPAC control with 7 " touch panel
- SIMPATI software integration
- Inner casing: galvanised sheet metal or alternatively stainless steel, 1.4301
- Flexible interior: option to also use wire mesh shelves

Highlights:

- Monitored air exchange for safe removal of flammable by-products
- Emergency door release to prevent exothermal reactions during power failure
- Controlled drum rotation for uniform, reproducible tempering
- ISO 8 cleanroom compatible
- Potential free contact for exhaust system integration

Continuous oven for coating material including cooling zone.

Technical data

Nominal temperature: 220 °C
Belt width (product space):
800 mm
Multi-zone system:
3 heating zones,
1 cooling zone
Adjustable air speed: 1-2 m/s



System description

- Outer casing: stainless steel 1.4301
- Inner casing: stainless steel 1.4301
- Horizontal airflow across conveyor
- Automatic loading system
- Continuous belt, speed 100-400 mm/min
- PTFE-coated glass fibre belt, temperature resistant

Highlights:

- Spatial temperature deviation of ±2 K for perfect product quality
- Installation in cleanroom class ISO 8
- Integration into an automated processing system for enhanced capacity
- Oven design according to EN 1539 for process safety

Silicone tempering oven with air preheater.

Technical data

Nominal temperature: 200 °C
Temperature distribution spatial:
±1.5 K at 150 °C
Usable space:
W1250 H1250 D1250 (mm)



System description

- Inner casing: stainless steel 1.4404, electropolished, tight welded (GMP)
- Front-side cleanroom integration ISO 7
- Siemens S7 PLC with 22 " touch panel
- Electro-pneumatic door lock with auto-close
- Chamber pressure control for user safety
- Batch documentation CFR 21 Part 11

Highlights:

- Fresh air monitoring for safe tempering of 26 kg silicone
- HEPA intake filter for process hormone removal
- HEPA exhaust filter with contamination-free change (bag-in / bag-out)
- Pre-heated fresh air to prevent condensation
- Working space compatible with ISO 7 (DIN EN ISO 14644-1)

We measure ourselves by our service.

Our services -
lots of good reasons:

24/7 service helpline:
+49 1805 666 556

- Global service network
- Wide range of preventive maintenance
- Reliable spare part supply
- Special deployments available at any time
- Certified proper disposal of outdated devices

Our service experts are always happy to help.



Weiss Technik GmbH

Heat Technology

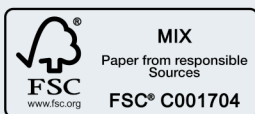
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Test it. Heat it. Cool it.