

autotherm Tempering Tunnel ATT/AKT Efficient Conditioning in Continuous Operation

The autotherm tempering tunnels Type ATT/AKT ensure precise temperature control directly on conveyor belt systems. They are an energy-efficient solution for cooling, heating and drying components during continuous processing. Whether as a complete system, retrofit on existing conveyors, or integrated into existing setups – autotherm tempering tunnels adapt flexibly to your production processes.

Your Benefits at a Glance:

- **Gentle cooling & drying** – ideal for plastic and metal parts
- **Avoids warping & rework** – controlled temperature guidance
- **Energy efficiency through recirculating air system** – avoids energy-intensive conditioning of ambient air
- **Flexibly scalable** – modular track lengths, individually configurable conveyor belts
- **Process reliability** – precise control, adjustable temperature profiles, optional alarm
- **Comfortable working environment** – no disruptive cold or hot air streams for employees



Technical Information

Typical Applications

- Cooling of thick-walled or warp-sensitive plastic parts
- Drying of coatings and adhesive joints
- Conditioning of metal and plastic parts before further processing or finishing
- Accelerated heat removal before packaging to prevent heat accumulation
- Heat removal without water bath – reduces rework and saves resources

Functionality

auto**therm** Tempering tunnels operate with an air duct positioned above the conveyor belt, generating the desired air temperature. Air streams directly above the product enable highly effective heat removal or input. The recirculating air system reduces energy consumption and makes the tunnels largely independent of ambient temperature.

Technical Specifications

- Temperature range: +3 ... +90 °C
- Tempering section length: 0,8 – 16,4 m
- Supply voltage: 230V / 50Hz or 400V / 50Hz
- Available cooling capacity: 1.000 – 50.000 W
- Available heating capacity: 1.000 – 48.000 W
- Recirculating air system with axial fans and guide plates
- Insulated sheet metal housing with large-area air-media heat exchanger
- Low-noise fans
- Control cabinet with operating and display elements, temperature display

Options & Extensions

- Controlled or timed conveyor belts in various lengths and widths
- Integrated auto**therm** compression refrigeration units, air- or water-cooled
- Integrated temperature control units (20-95 °C) or heating/cooling combinations (3-95 °C)
- Controlled exhaust for contaminated air (e.g. solvents during drying processes)
- Controlled fresh air supply for drying tasks
- Special equipment: adjustable inlet/outlet height, stainless steel version, optical and acoustic alarms, special voltages, various interfaces