

**Requirements and solutions**

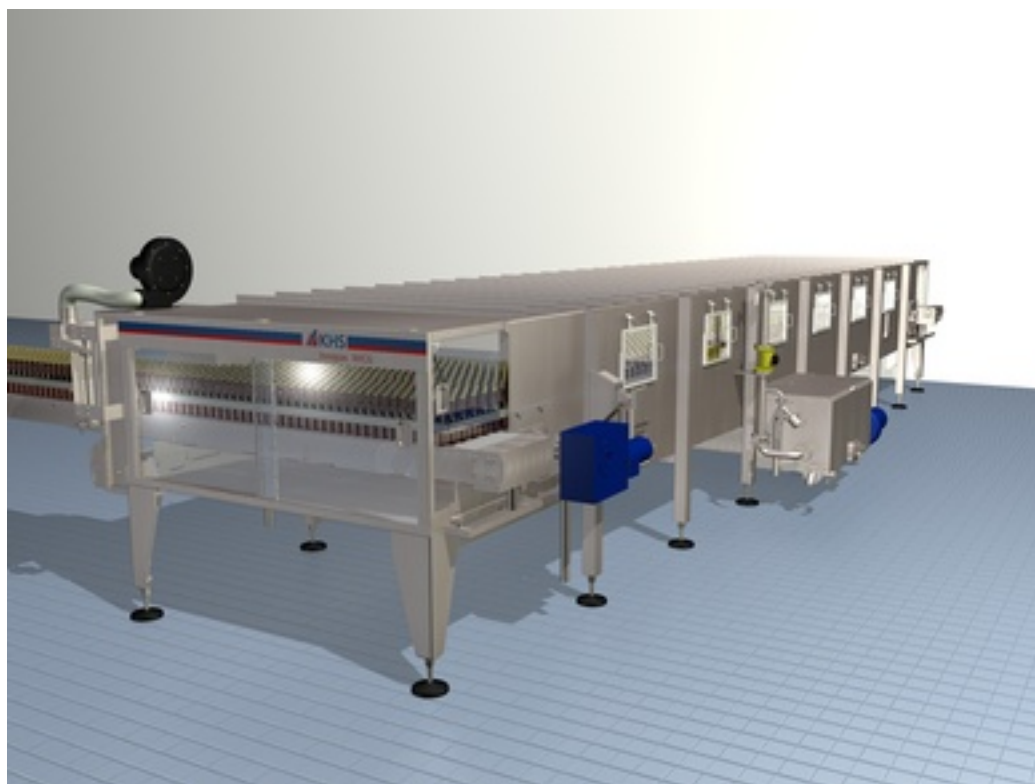
Warming up cold filled beverages to room temperature or slightly more than room temperature is a sure way of keeping condensation from accumulating on the filled containers and thus avoiding any problems with labeling or subsequent film wrapping. Innopas® compact warmers easily meet the necessary process requirements, are also easy to clean, and are available with various degrees of automation.

**Key Features**

- Compact design
- Easy operation
- Uniform water distribution
- Flexible integration of various heat sources possible
- Very short installation times thanks to delivery "in one piece"

**Standard Equipment**

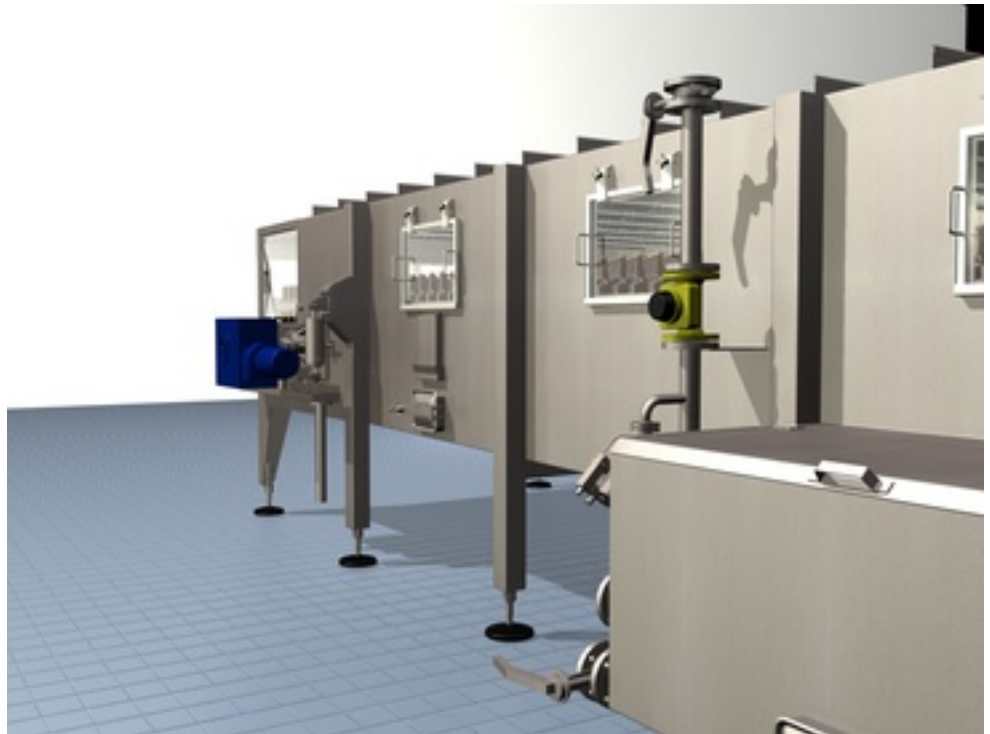
- Made entirely of stainless steel
- Compact design
- Highly efficient spray system with full-cone clamp nozzles
- Reliably controlled, robust plastic belt
- Excellent access to all functional components





**Benefits**

- Excellent process reliability with maximum product quality based on the measurement of the real temperature-time behavior of the container to be processed
- All process-related components with feedback to ensure process quality
- Delivery of machines in one piece and high degree of preassembly for quick installation within a minimum amount of space.



<b>Service</b>
· Customized machine design
· Fast supply of spare parts
· Worldwide service
<b>Options</b>
· PLC-based control
· Automatic product changeover
· Chemical dosing

<b>Technical Data</b>
<b>Machine capacity (depending on the product and container size)</b>
3,000 containers/hr – 150,000 containers/hr
<b>Machine variants</b>
Six sizes available
<b>Alternatives</b>
A modular Innopas® C-type warmer can be used for high capacities
<b>Processable container types</b>
Glass bottles, PET bottles, cans