

# KRONES LinaCool

The clean design cooler

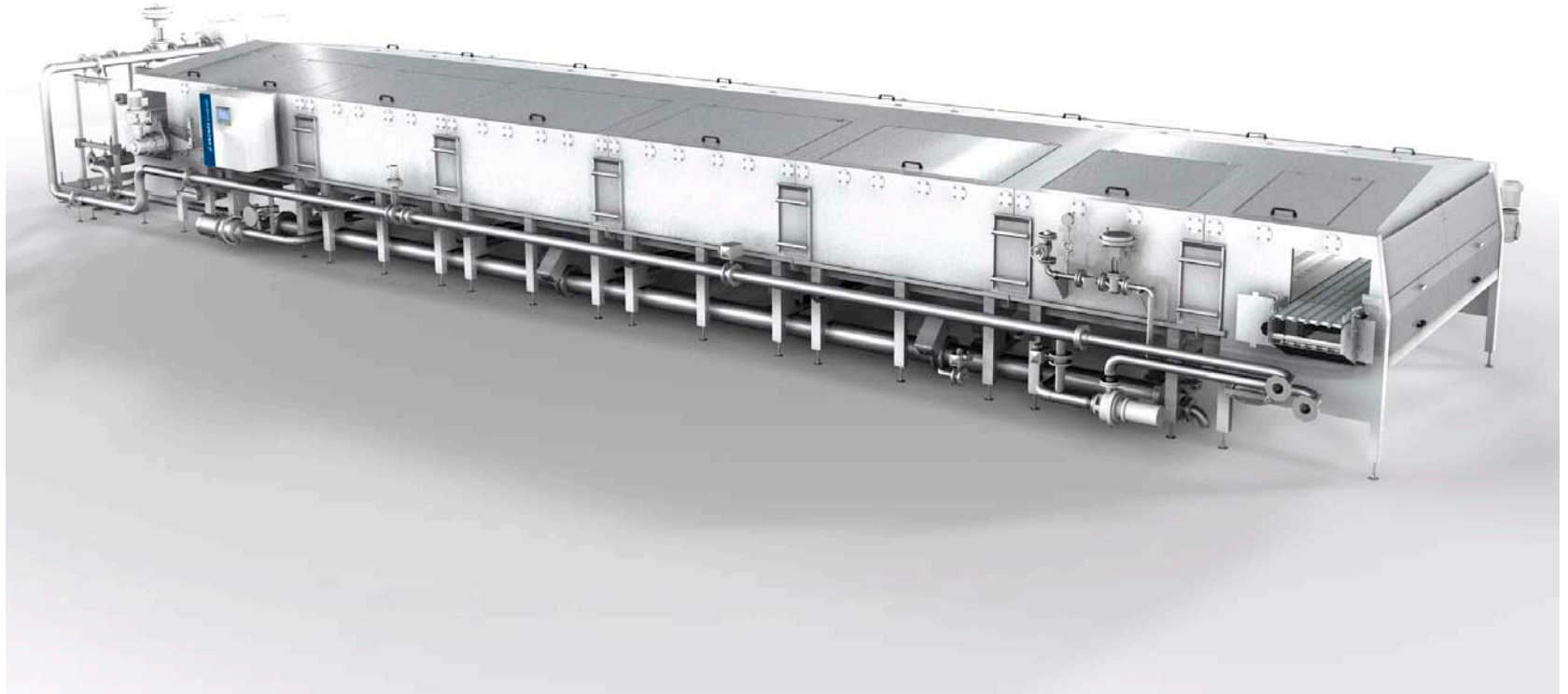


 **KRONES**

# Anyone need cooling?

KRONES LinaCool

What do people playing sports and hot-filled drinks have in common? Both appreciate a welcome cool-down. The latter, at least, can rely on the KRONES LinaCool to provide just that: With its sophisticated spraying nozzle system, it cools all products gently down to ambient temperature, in order to avoid distorting their taste or colour. Regardless of whether the products are in cans, glass bottles or PET containers!



## Method of operation

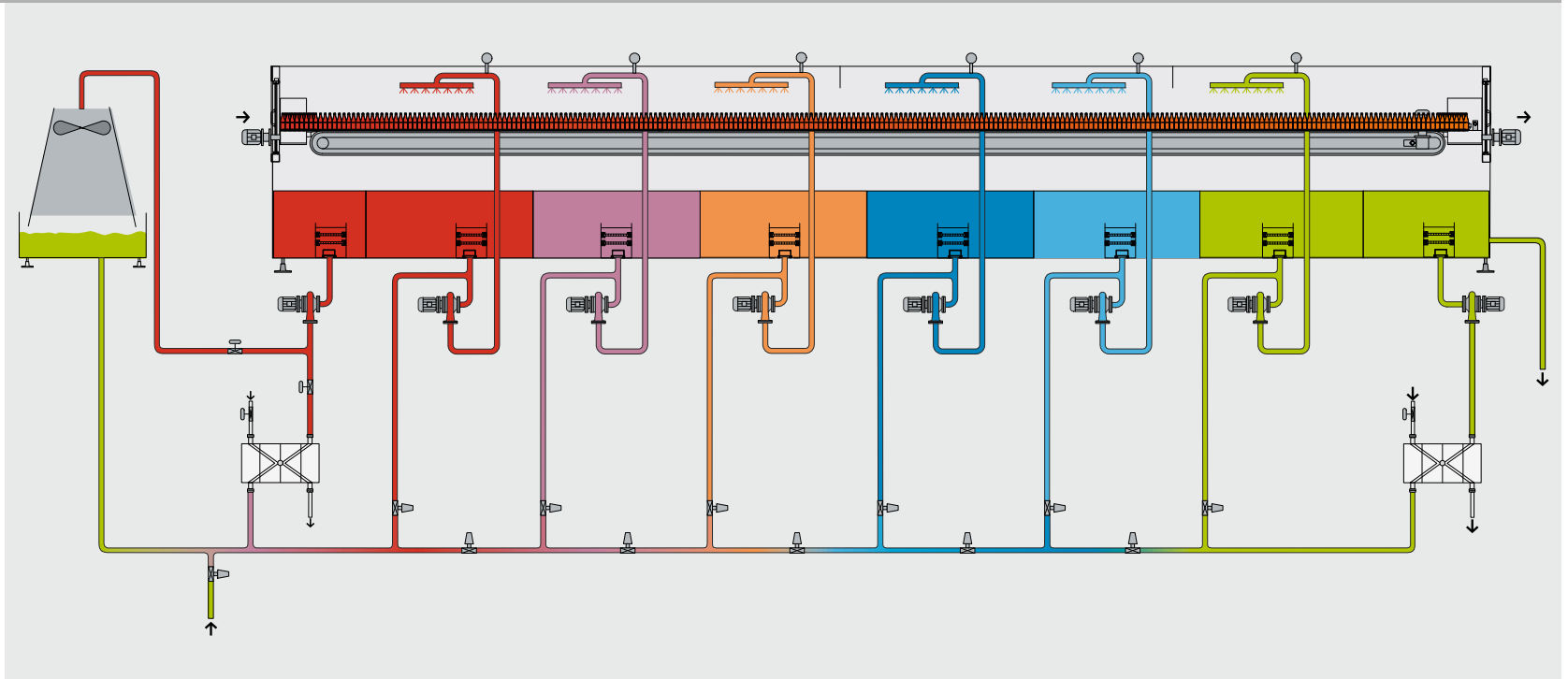
The containers pass through one or more treatment zones, depending on their size. Spraying nozzles shower the bottles with precisely temperature-adjusted water. In this way, the hot-filled containers are cooled gently down to ambient temperature.

## Application

Cooling of all products in glass bottles, PET containers and cans

## Output range

10,000 to 90,000 containers per hour



*Design of the LinaCool*

## Design features

- Multi-part, modular machine
- Housing and pumps in stainless steel
- Clean design with centralised draining and inclined drip pans
- Infeed and discharge height: 1,200 mm
- Frequency-controlled drives
- PLC-controlled
- Touch-screen
- Detachable system to protect the pumps and spraying nozzles
- Level switch for automatic fresh water top-up
- Infeed and discharge fume guards

*User-friendly operation via 15 inch touch-screen*



*Large-dimensioned maintenance openings at infeed and discharge*



## Additional equipment

- Rotary sweeper for automatic pushing of containers left behind
- Automatic interior cleaning system
- Blowing station for removal of drip water
- Machine decocting
- Dosing system for water treatment
- Measuring system for energy and water consumption
- Lighting at infeed and discharge
- Condensate siphon pump
- Cooling system with chiller
- Cooling system with cooling tower
- Zonal heat maintenance to customer specification
- Cooling starting from infeed conveyor

## Operation

- Touch-screen operation
- Automatic filling
- Change-over to another product within minutes

## Maintenance

- Tool-free maintenance of the spraying nozzle system
- Spraying system cleaning without removing the pipes
- Large cleaning and maintenance openings at infeed and discharge conveyor
- Easy maintenance and cleaning thanks to large openings at the zones



### Spraying nozzle system

- Snap-in nozzles
- Freely accessible for maintenance
- Spraying pipes do not have to be disassembled for cleaning
- Flap cover on both sides of the machine

### Infeed and discharge area

- Low height, each 1,200 mm
- Ideal connection to the filler



## Marathon belt

- Patented conveyor comprising plastic and stainless steel links
- Suitable for all container types
- Long service life and low-maintenance due to minimum friction
- Short transfer section for smooth product change-over
- Deflection via welded sections



## Ironman Belt

- Stainless steel conveyor
- Special enhancement of the tried and proven Marathon Belt
- Smooth and safe cooler operation guaranteed also with increased probability of broken glass

# Your benefits

KRONES LinaCool

- **High-grade workmanship**

Housings and pumps are manufactured entirely of stainless steel with bated surfaces. This reduces the risk of corrosion and provides the cooler with a long service life.

- **Modular construction**

The LinaCool consists of multiple modules which are pre-assembled and tested prior to shipping. This greatly reduces on-site installation times.

- **Innovative conveyors**

The Marathon Belt and Ironman Belt conveyors are suitable for all container types, transporting them safely and gently through the cooler. Thanks to their minimal friction, they are resistant to wear and so provide long service life.

- **Hygiene and safety**

The clean design with inclined drip pans and centralised draining provides ideal hygienic conditions and guarantees that no water re-mains in the machine.

- **Minimum, easy maintenance**

All components are at operating height and are easily accessible. Maintenance jobs can be done easily and without any tools.

- **Low infeed height**

The infeed and discharge height of 1,200 mm guarantees optimum accessibility and permits ideal connection of the cooler to the filler.



*Optimum  
operator access*