

# PROCESS COOLING SOLUTIONS



## PROCESS COOLING SYSTEM

**Stable production processes are key for you to stay ahead of the competition and continue being successful. With the perfect chiller solution, you can achieve maximum efficiency for your machines. Additionally, you will benefit from reduced operating costs by saving energy and water, whilst supporting your continuous high production quality level.**

A significant part of the energy and water savings is achieved through the optimal choice of chillers and setup of the cooling system with its parameters, thus **saving up to 95% water and up to 60% energy** compared to conventional evaporative cooling tower systems.

Whether you need a process cooling system for your injection molding machines, your cast or blown-film lines, or any other plastic converting process, we can offer the right concept to meet your specific requirements. It is a matter of choosing the right dimensioned system to be able to save as much energy as possible, whilst fulfilling the cooling water supply.

To develop the ideal concept for your factory, our first step is to analyze your existing production setup. Based on this information, we then develop a tailor-made solution that will improve your production by enhancing your productivity, reducing your operating costs, and ensuring the safety of your processes. Our concept provides flexibility for enhancements should you encounter the need for future adaptations.

## STABLE PROCESSES FOR MAXIMUM EFFICIENCY

### OUR PORTFOLIO

- Adiabatic cooling systems
- Closed-loop systems
- Single & double zone temperature control units
- Pressurized temperature control units (up to 180° C)
- Portable chillers
- Air cooled chillers
- Water cooled chillers
- Modular chillers
- Pumping stations



## CONCEPT & DESIGN

Whether you need a process cooling system for your injection molding machines, your cast or blown film lines, or any other plastic converting process, we can offer the right concept to meet your specific requirements. It is a matter of selecting a correctly sized system to be able to save as much energy as possible, while still meeting cooling water requirements. To develop the ideal concept for your factory, our first step is to analyze your existing production setup.

## YOUR BENEFITS

By implementing the right cooling system, you can take advantage of a stabilized production and reduced operating costs. This can be on any scale you wish – ranging from single temperature control units to air cooled chillers or even complete factory cooling solutions.

As specialists in the field, we can help to further optimize your plastic processing production with our tailor-made process cooling solutions. These are suitable for all plastic processing applications. Our smart and scalable concepts, high-quality machines, and local technical support are your guarantee of safety in production.

Based on this information, we then develop a tailor-made solution that will improve your production by enhancing your productivity, reducing your operating costs, and ensuring the safety of your processes. Our approach provides flexibility for future enhancements should you encounter the need for subsequent adaptation.

- Stable production process
- Continuous high-quality production
- Environmentally friendly production
  - Up to 60% energy reduction
  - Up to 95% water reduction
  - No added chemicals
- Reduced cycle time
- Fast return on investment (ROI), based on:
  - Reduced cooling cost
  - Process reliability
  - Increased output
- Clean cooling water
- Scalable & upgradable systems

## ENGINEERING | MACHINERY | SERVICES

**360°** customized industrial solutions

For all addresses and contact information of our local offices please visit our website: [www.rieckermann.com](http://www.rieckermann.com). We will be pleased to be of assistance.

### CONTACT US TO LEARN MORE

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