

Intensive Cooler

Efficient cooling of
molding material



EIRICH

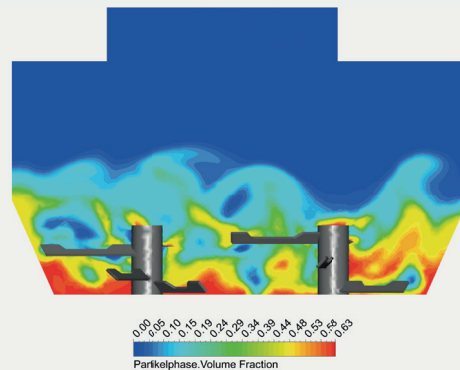
The Pioneer in Material Processing®



A single unit with an independent control system

High-performance cooling

- Our cooling system efficiently cools molding material to 45°C at an ambient temperature of 25°C while precisely controlling moisture at 2.0% (+/-0.2%).
- A comprehensive CFD analysis was conducted to optimize system performance, providing valuable insights into molding material concentration profiles.



The Eirich Intensive Cooler: efficient and reliable

As the market leader in clay-bonded molding material preparation, Eirich proudly introduces the Intensive Cooler, a groundbreaking development in the realm of evaporative cooling.

The Intensive Cooler serves as the ideal complement to any molding material preparation plant. With its exceptional cooling and premixing capabilities, the Eirich Intensive Cooler delivers maximum efficiency while ensuring reliability and minimizing operating costs. This state-of-the-art equipment can seamlessly integrate within any preparation plant, equipped with its own independent control system.

Just ask us.

Rest assured, we have the perfect solution for your needs. Whether you require new construction, conversion, or modernization of your existing set-up, our expert team is ready to assist you.

The intensive cooler as a stand-alone unit.

Furthermore, the Intensive Cooler can also function as a stand-alone unit, offering versatile options to cater to your specific requirements. At Eirich, we are committed to making the seemingly impossible possible.

Main features and functions

- Two independent power mixing tools for efficient mixing without synchronization.
- Optimized airflow system developed using advanced computer simulation technology.
- Integrated intelligent molding material retention system.
- Moisture measurement with Eirich system using resistive humidity sensors.
- Water dosing with six intensity levels for precise control.
- Power fan for intensive cooling in challenging ambient conditions.



Advantages

- Advanced mixing tools based on proven EIRICH intensive mixer system.
- Intensive premixing effect for thorough blending.
- Compact design for space efficiency.
- Main components enclosed in machine housing for protection
- High-quality main motors and bearings from trusted suppliers. SEW, ABB, FAG etc.

Low maintenance by

- Automatic lubrication system for optimal maintenance.
- Rotation connecting system for external moisture sensors.
- Large inspection doors for easy access and monitoring.
- Wear plates at bottom and side wall for enhanced durability.
- Easy exchange of wear plates and mixing tools.
- Optional diagnostic system for preventive maintenance.

Control

The Eirich Intensive Cooler is equipped with a reliable and efficient control system, featuring SIEMENS components. This control system provides seamless operation and effective monitoring of the cooler's performance.

Key features of the control system include:

- **PLC and Visualization:** The Intensive Cooler utilizes a programmable logic controller (PLC) combined with a user-friendly visualization interface. The visualization system provides real-time data, error indications, and status updates for efficient operation and troubleshooting. This allows operators to easily monitor and control the cooler's functions and parameters
- **Stand-Alone or Integrated Control:** It can be operated as a stand-alone unit with an independent control system and visualization system. Alternatively, it can be seamlessly integrated into the Eirich plant control system, providing centralized control and coordination with other equipment in the production line.



The Eirich Group, with the Gustav Eirich machine factory as a strategic center in Hardheim, is a supplier of machines, systems and services for mixing technology, granulating/pelleting, drying and fine grinding. Our core competencies are procedures and processes for the treatment of loose materials, sludge and mud. We are a family-run company with 15 locations worldwide.

More information at:
www.eirich.com