

Rotary Drum Cooler for Material Cooling

The rotary drum cooler, also known as a monocular cooler, is used with drying equipment to cool materials of a certain temperature and particle size. It increases cooling efficiency, reduces labor, and lowers the temperature of materials.



Product Overview

Efficient Industrial Cooling

The Rotary Drum Cooler, also known as a monocular cooler, is designed to efficiently cool compound fertilizers and various powder or particle materials after the drying process. It features a robust, compact structure that enhances productivity while reducing labor intensity. By utilizing a countercurrent contact mechanism, it effectively lowers material temperatures and removes residual moisture, ensuring high performance and adaptability in industrial production lines.

Technical Specifications

Design Advantages

- Compact structure
- High cooling efficiency
- Reliable performance
- Good adaptability

Primary Applications

Compound Fertilizer, Powder Materials, Particle Materials

Operational Details

Cooling Process

- Material loading via belt conveyor or bucket elevator
- Inclined cylinder rotation driven by gravity
- Countercurrent heat exchange with heat carrying agent
- Material discharge via belt or screw conveyor