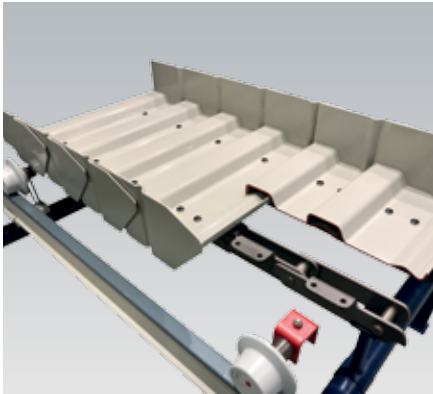




Conveying and Cooling in Foundries



AUMUND High Performance



Pan Conveyor type KZB



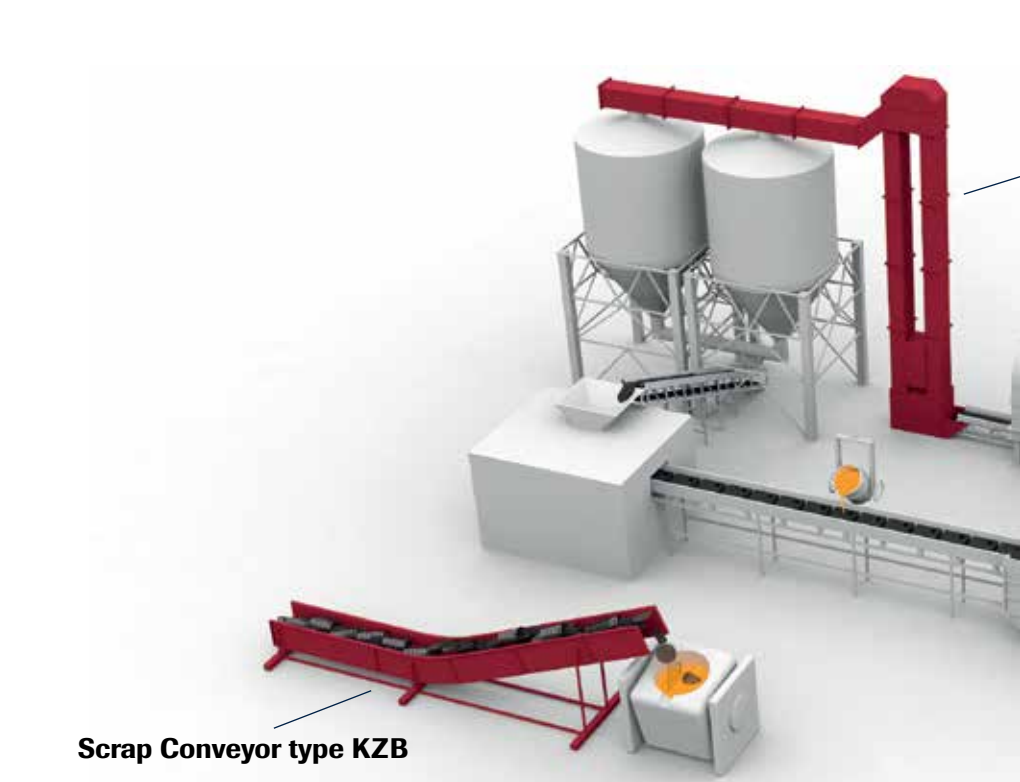
Conveying and cooling of castings



Degating with manipulator, plus cooling



Degating and sorting conveyor



Scrap Conveyor type KZB

Reliable and cost-effective solutions

To keep pace with the rapid developments in casting technology today, new methods and innovative handling systems are required. Smooth handling is often a major factor in assuring the quality of the castings, which is why it is important to select the right conveyor for the application.

AUMUND conveying equipment has a well-established reputation in high-performance applications, and offers reliable and cost-effective solutions for foundries.

AUMUND Conveyors for degating, sorting and cleaning

- Mechanically and statically sound conveyors of the proven construction types FPB and KZB
- With high resistance to the impact loads coming from the degating tools such as manual hammers, hydraulic wedges and even manipulators

- Compact footprint for installations with space constraints
- Horizontal, slightly inclined or a combination of both, to fit into existing surroundings

Flat Plate Conveyor type FPB

- Plate widths from 600 to 2,400 mm
- Level, horizontal surface for smooth conveying and material feed
- Tightly overlapping conveying sections
- Modern frequency controlled drive units
- Automation to suit moulding cycle times

Pan Conveyor type KZB

- Pan widths from 400 to 2,400 mm
- Profiled pans for ascending or descending transport
- Sturdy components resistant to temperatures of up to 1,000 °C
- Patented pan overlapping system
- Low power consumption

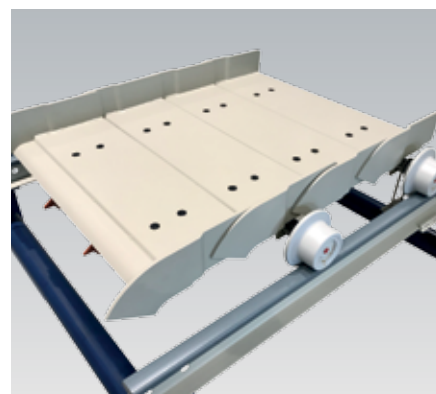
Conveying Solutions for Foundries

Belt Bucket Elevator type BWG

Degating and Sorting Conveyor type FPB

Cooling Conveyor type KZB

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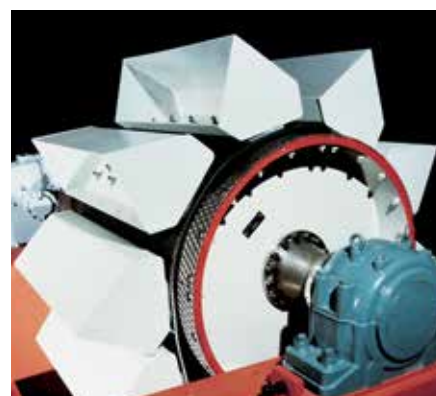
Flat Plate Conveyor type FPB



Inclined transportation of castings



Handling of large castings



Drive drum of Belt Bucket Elevator type BWG

AUMUND Cooling Conveyors

AUMUND uses proprietary technology to calculate and guarantee the appropriate controlled “smooth cooling” of the castings from shakeout to degating or shot blasting. The main component of this technology is air under negative pressure in a cooling tunnel, where the castings are cooled to below 100 degrees, ready to be shot blasted, degated or sorted.

An added advantage of the casting cooler working in negative pressure is the lack of dust emissions into the foundry. The air flow and temperature are constantly monitored and automatically adapted to the type of casting and the output rate from the moulding line. The specialised conveyors can handle a whole day’s production of the foundry in a collective cooling operation. Defined cooling of the castings can be achieved by a mixture of air and water mist.

Each cooling conveyor is designed for the individual application and the cooling connections can be supplied as an option.

AUMUND Bucket Elevators

Bucket Elevators for vertical conveying, available with central chain or steel-reinforced belt are well suited for abrasive bulk materials like foundry sand.

Bucket Elevator with Central Chain type BWZ

- Bucket widths ranging from 210 mm to 1,200 mm
- Conveying capacities exceeding 1,100 m³/h
- Lifting heights up to 90 m

Belt Bucket Elevator type BWG

- Bucket widths ranging from 250 mm to 1,600 mm
- Conveying capacities exceeding 2,300 m³/h
- Lifting heights up to 175 m and more



AUMUND Headquarters in Rheinberg, Germany

The AUMUND Group offers efficient solutions for conveying and storage of bulk materials. A particular strength is the technologically mature and extremely reliable machinery for handling all kinds of bulk materials, even hot, abrasive or sticky. More than 22,000 installations worldwide substantiate the excellent reputation and market position of the Group.

The AUMUND Group is active in more than 150 countries with 19 locations all over the world and a global network of almost 80 representatives. The manufacturing companies AUMUND Fördertechnik GmbH (Rheinberg, Germany), SCHADE Lagertechnik GmbH (Gelsenkirchen, Germany), SAMSON Materials Handling Ltd. (Ely, England), as well as AUMUND Group Field Service GmbH and AUMUND Logistic GmbH (Rheinberg, Germany) are consolidated under the umbrella of the AUMUND Group. The global conveying and storage technology business is spearheaded through locations in Germany, UK, France, Poland, Russia, Dubai U.A.E., Hong Kong, China, India, USA, Brazil and in the Netherlands.

The AUMUND Group operates Service Centres and five warehouses for spare parts in Germany, the USA, Brazil, Hong Kong/China and Saudi Arabia. Almost 60 dedicated supervisors tend to clients' needs across the globe and a specialized team provides PREMAS® Preventive Maintenance Service including inspections and consulting.