

AUMUND GROUP SPANNING THE GLOBE

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. Nearly 24,000 installations worldwide substantiate the excellent reputation and good market position of the Group. The companies of the AUMUND Group are active in about 150 countries with 20 locations all over the world and a global network of almost 100 representatives.

AUMUND Holding B.V. / The Netherlands

AUMUND Fördererbau GmbH / Germany

AUMUND Fördertechnik GmbH / Germany
Branch Office Dubai / U.A.E
Branch Office Wrocław / Poland

AUMUND S.A.R.L. / France

AUMUND Corporation / USA

AUMUND Ltda / Brazil

AUMUND Machinery Technology (Beijing) Co. Ltd / China

AUMUND Asia (H.K.) Ltd / Hong Kong / China
Branch Office Jakarta / Indonesia

AUMUND Engineering Private Ltd / India

SCHADE Lagertechnik GmbH / Germany

SAMSON Materials Handling Ltd / GB
Branch Office Bristol / GB

AUMUND Group Field Service GmbH / Germany

TILEMANN GmbH / Germany

AUMUND Logistic GmbH / Germany

The AUMUND Group operates Service Centres and Warehouses for spare parts in Germany, the USA, Brazil, Hong Kong, Saudi Arabia, and in Great Britain. Almost 60 dedicated Supervisors tend to clients' needs across the globe and a specialized PREMAS® Team provides Preventative Maintenance and Service support including inspection and consulting.



Conveying and Storing in the Aluminium Industry



AUMUND Foerdertechnik GmbH
www.aumund.com





Cooling conveyor with dedusting main pipe

AUMUND equipment in Primary Aluminium Smelting operations:

Since more than 90 years of industrial construction AUMUND is a trendsetter in conveying technologies.

AUMUND equipment is installed in 140 countries operating in the mining and metallurgical industry, power stations, the cement, lime and gypsum industry and bulk terminals.

AUMUND steel plate conveyors with pans or buckets have a proven track record in handling high temperature bulk materials, also featuring the adequate design for the various operating conditions and requirements.

- Alumina reception and transfer into the smelting process
- Handling of green anode paste
- Materials handling at the anode rodding plant
- Distribution of enriched alumina into the alumina supply hoppers
- Bath material transport and cooling
- Recycling of waste material into the process for grinding and reprocessing



Bath material cooled down from 850 °C to 100 °C



Troughed chain conveyor handling alumina, lime or filter dust

AUMUND equipment in Alumina Refining operations

- Bauxite reception at the refining plant
- Bauxite storage and reclaim
- Bauxite transfer to the mill
- Transport of caustic soda, alumina, lime, and filter dust
- Disposal of red mud at the waste pond or landfill lagoon

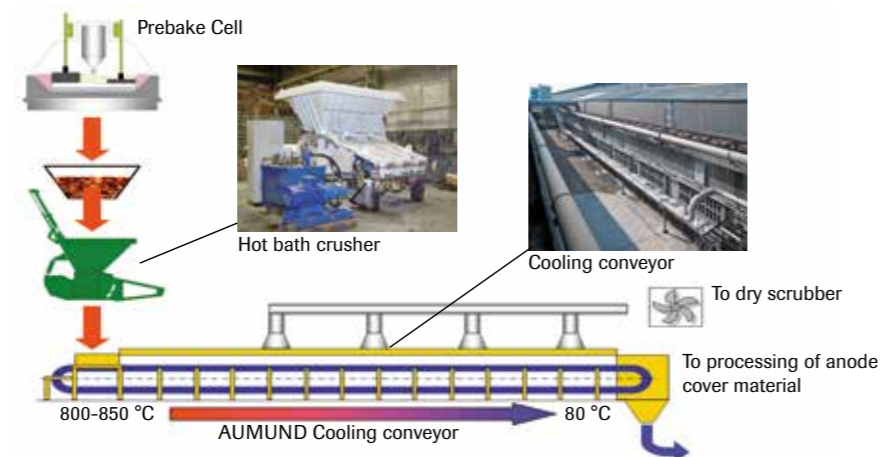
Handling of Bath Material

- Controlled cooling and clean handling
- Defined cooling from 850 °C down to below 100 °C
- Drastic reduction of HF emissions through controlled suction
- Improved environmental and health conditions
- Heat recovery
- Economical and efficient
- Reduced investment – no skips and skip storage area required
- Reduced operating cost – no double handling of skips avoiding required vehicles and operators

economical and ecological bath material handling and cooling.

The fluorine rich hot bath material cools down on the conveyor moving with an average speed of 0.15 m/min.

The material is cooled down to the required temperature before further processing. The conveyor is designed to suit the hot bath recycling capacity of the smelter.



For plants operating with the prebake technology, the AUMUND Deep-Drawn Pan Conveyors ensure



Shiploader for alumina and bauxite handling



Samson® Feeder for red mud



CENTREX® automated bauxite discharge