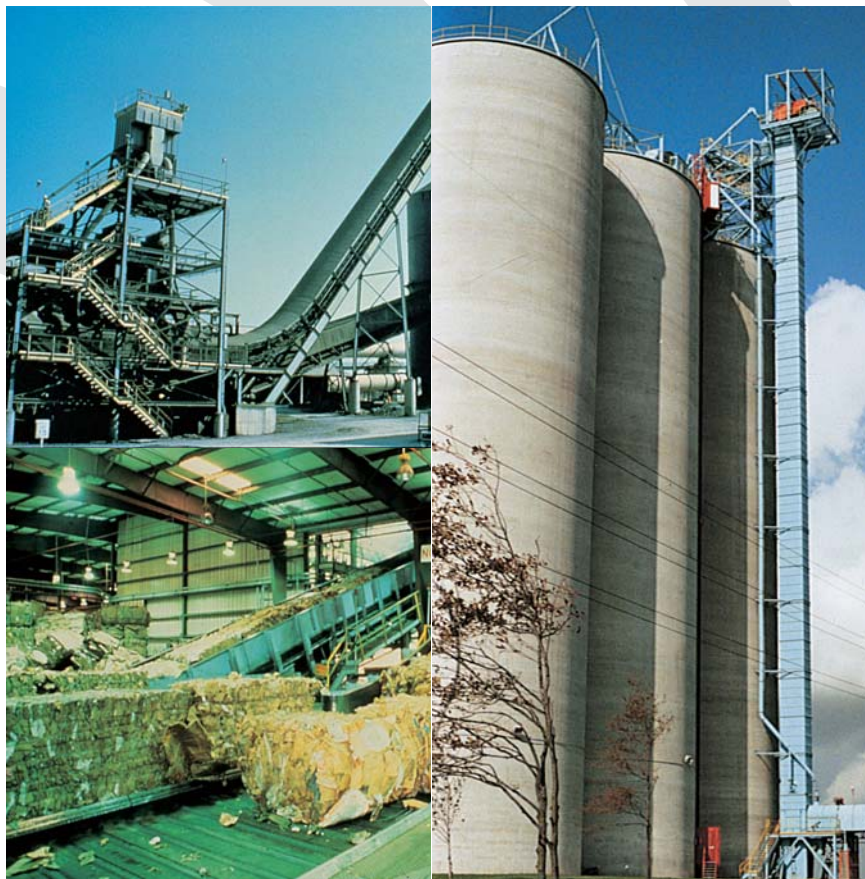


**Conveying Equipment | Products & Services for Bulk
Material Handling (English-Inch)**



Leadership Comes From Experience

Rexnord designs, engineers and fabricates chain and belt bucket elevators, apron pan conveyors, apron feeders, drag conveyors and flight conveyors.

With over 100 years of experience in material handling, Rexnord is an industry leader. A worldwide network of field sales and factory support personnel regularly visit customer installations to provide assistance to ensure efficient plant production.

Proven Product Performance

Worldwide, Rexnord high performance **chain and belt bucket elevators** have met or exceeded the high lifts, large capacities and tough conditions for material handling.

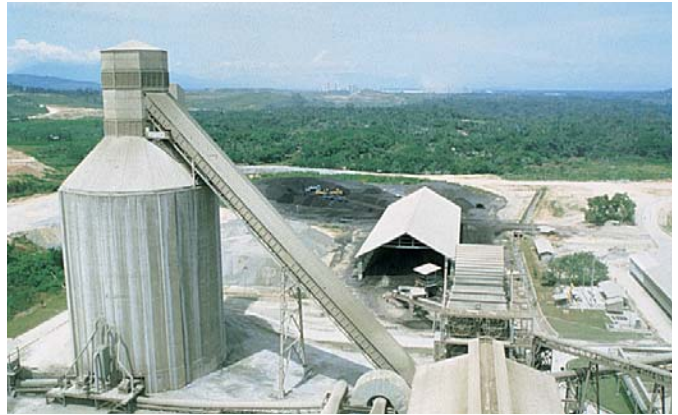


Rexnord high vertical lift chain bucket elevator handling cement.

Rexnord has supplied *chain* elevators with lifts in excess of 230 feet (70 meters) and *belt* elevators with lifts in excess of 328 feet (100 meters). Capacities of over 1,000 metric tons per hour are possible with Rexnord bucket elevators. **Drag conveyors or flight conveyors** are the solution when a totally enclosed conveyor is required. Handling fine materials ranging from dust to 6 inch (150mm) lumps, these conveyors are able to discharge material to multiple discharge locations.



Rexnord drag conveyors feeding multiple discharge points.



Rexnord AFT pan conveyor conveying hot cement clinker 214 ft. (65 m) lift.

Apron pan conveyors can handle horizontal and incline angles up to 50 degrees and material temperatures up to 2,000° F (1,093° C). Several pan designs are available including the AFT™ design which incorporates a patented overlap of steel pans. Spillage is minimized at steep inclines or where pans articulate over the head or tail shafts.

Apron feeders are ideal for controlled volumetric feeding or blending of bulk materials. Whether you're handling run-of-mine quarry rock with lumps as large as 6-1/2 feet (2 meters) to a crusher or blending several materials extracted from hoppers, Rexnord has an apron feeder to handle the job.

Unlike most suppliers of bulk material conveying equipment who merely supply some other



Rexnord AFT pan uses patented overlap design.



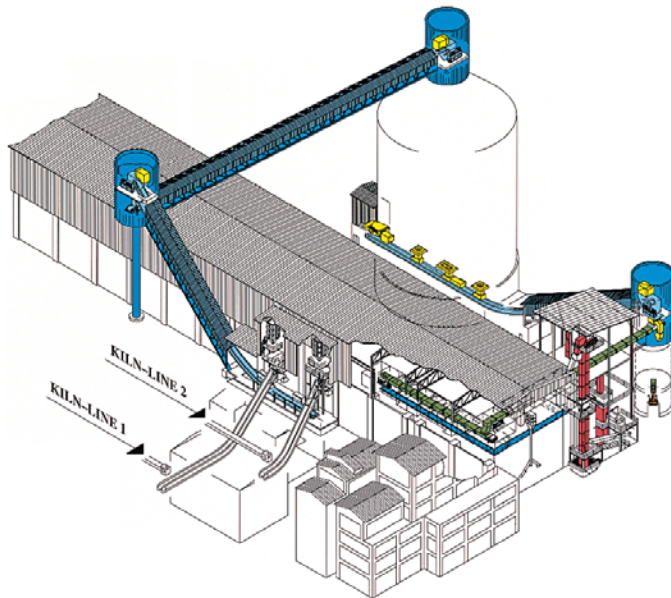
Rexnord apron feeder used for blending materials. manufacturers minimum specification components, Rexnord designs, manufactures and provides after-the-sale service on all critical components used in our equipment. This includes chain, traction wheels, sprockets, bearings, gear reducers and others, thus assuring single-source control and responsibility for manufacturing and service support throughout the life cycle of the equipment.

From Concept to Production... and More

Before a pencil goes on the drawing board, or a hand starts to direct a computer, Rexnord's field sales people and its engineers set out to learn the smallest details of a customer's goals. New plant or upgrades. Materials to be handled. Capacities. Future needs. Personnel capabilities. Generally, everything that will make a plant or piece of equipment produce efficiently and profitably. Rexnord's goal is to deliver more than the expected. Rexnord offers a wide range of services to enhance product performance including: Complete material handling engineering for project development, conceptual layout, installation and services.



Rexnord engineers at customer's plant location.



Detailed layout for clinker handling system.

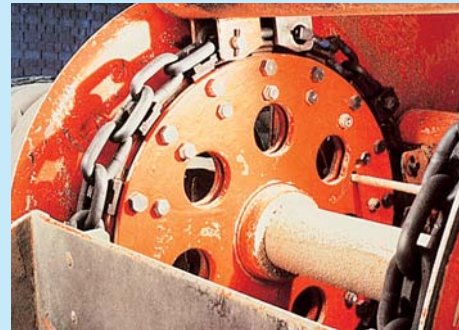
Maintenance seminars either at Rexnord or in the field. Scheduled equipment inspection and service contracts. On-site troubleshooting and getting the right people and components to solve problems.

Detailed wear life analysis of Rexnord chain and other components to help our customers plan predictable replacement schedules. Field erection supervision and equipment installation.

Upgrading Existing Plants

Today, the demand is often to improve or retrofit an existing facility. Reduced maintenance and operator costs, as well as improved equipment performance, are continually required. Rexnord will propose plans to increase production by modifying our own equipment or our competitor's equipment. Longer life, less repair and maintenance and increased operating efficiency are the end results.

One typical example, shown below, was the replacement of a two-chain bucket elevator with a Rexnord single-strand chain and components. The application was at a highly abrasive iron ore sinter processing and storage facility where all 12 bucket elevators were retrofitted with Rexnord chain. Results included more than double the chain life, predictable and measurable wear life hours and significant savings of equipment and maintenance costs.



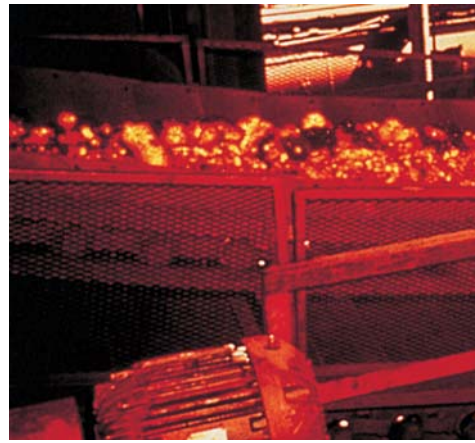
Other technology used two strands of "round link" type chains.



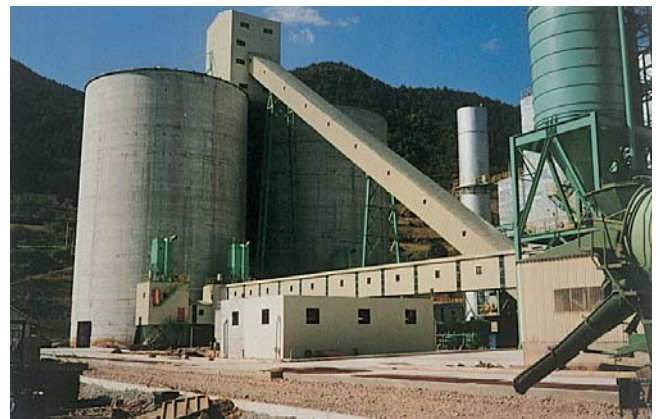
Rexnord single strand, high quality fabricated steel bushed chain.

Applications: Over 6,000 Installations Supplied Worldwide

Rexnord has been a primary source of power transmission components and bulk material conveying equipment for industries like cement, fertilizer, dry chemicals, iron and steel, mining, solid waste, forest products and power generation. These thousands of installations and decades of service have given Rexnord a unique capability recognized by their customers.



Rexnord conveyors can handle extremely high temperature materials.



Rexnord AFT pan conveyor installation.



Rexnord belt bucket elevator handling finish cement.



Paper bale handling conveyor system.



Rexnord Style C pan conveyor handling hot steel sinter.



Rexnord bucket elevator at cement terminal.



Rexnord Style A pan conveyor handling municipal solid waste.

Planned Maintenance Programs

Unexpected component failure can create havoc with production schedules. Rexnord offers several planned maintenance programs designed to minimize disruptions. **Annual periodic preventative maintenance contracts** by Rexnord field service engineers are a reliable way to keep plants up and running because

they are designed to identify problems before they become major equipment failures.

A schedule of planned equipment inspections including written reports with specific recommendations to help minimize costs and maximize production are provided.

Rexnord's team of experienced field service engineers are available to travel to plant sites worldwide to quickly assess the condition of equipment.

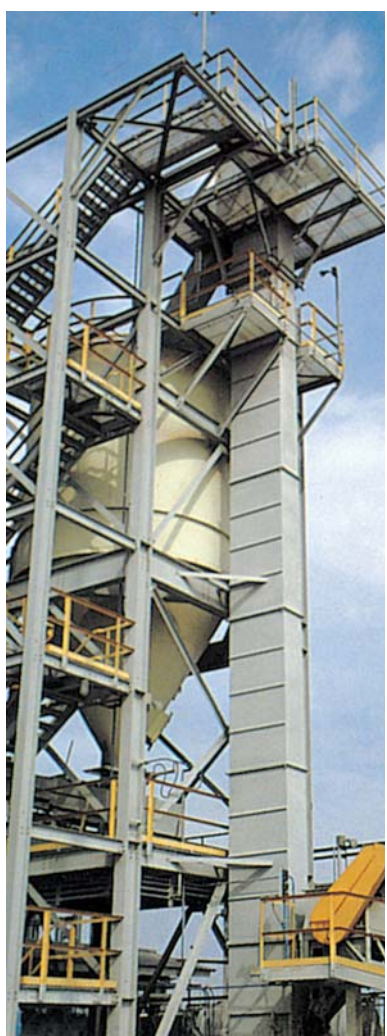
Rexnord field service engineers supervising maintenance inspection and repair.

techniques and increase maintenance personnel knowledge.

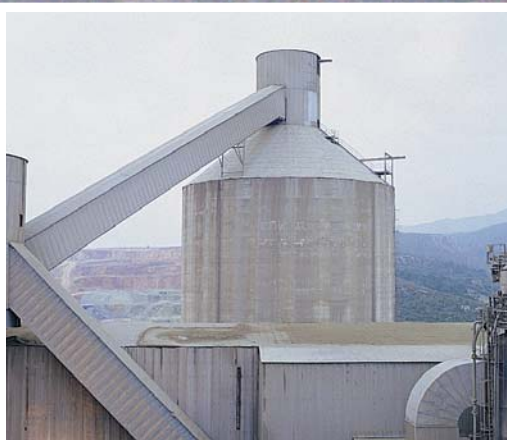
Chain wear life analysis. Rexnord offers extensive testing and analysis to predict and measure chain life helping our customers prevent costly and disruptive downtime.



Maintenance training program for bucket elevators and conveyors.



Bucket elevator installation at a fertilizer plant.



Rexnord AFT pan conveyors handling cement clinker.



Rexnord chain bucket elevator for handling coal.



Bucket elevators at a coal-fueled power plant.



Rexnord pan conveyor for hot lime handling.

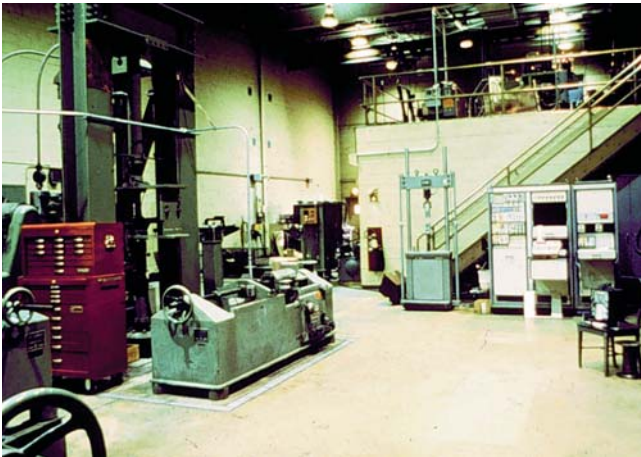


Drag conveyors used for feeding multiple discharge points.

Product Development, Improvement and Testing Assure Long Life Performance

The Rexnord Technical Services (RTS) Center is involved with a continuous program of materials and mechanical engineering evaluation and improvement. RTS has the American Association for Laboratory Accreditation certification.

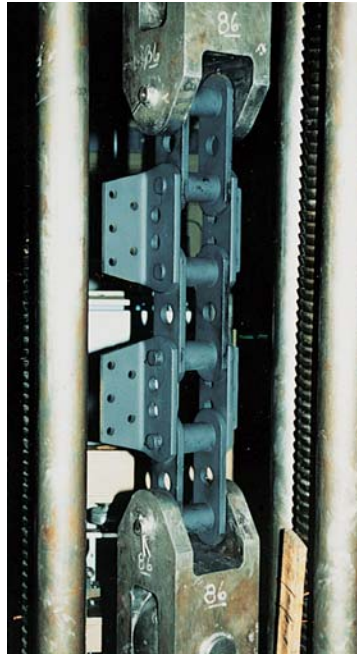
Test and Evaluation includes experimental stress analysis, static strength determination, vibration and sound measurement, environmental test chambers and precision instrumentation.



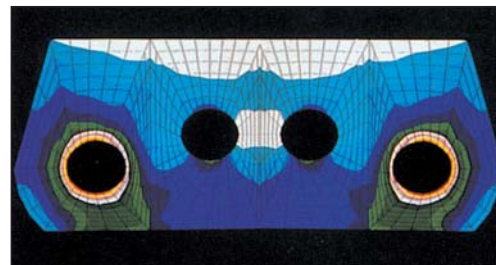
Materials Engineering services include materials evaluation, scanning electron microscopy, failure analysis, mechanical properties analysis, chemical synthesis and formulation and process development. All techniques and equipment to provide state-of-the-art engineering services are available at RTS.

Engineering mechanics develop finite analysis, stress analysis, thermal analysis, fatigue analysis, fracture

mechanics and statistical analysis. RTS product development has led to many innovations within the Rexnord and Link-Belt product lines. Upgrading existing products, reducing costs, increasing service life and solving customer problems are all challenges for RTS.



Rexnord's chain fatigue testing machines are unique to the industry.



Finite element analysis is just one tool used in developing Rexnord engineering chains.



Quality Replacement Parts

To insure that Rexnord customers have the availability of quality Rexnord and Link-Belt replacement components, Rexnord has a system in place with strategically located service centers and warehouses that have ample stock of replacement components.

Original order references are available.

Genuine Rexnord parts are available only through Rexnord or Rexnord Distributors. Contact Rexnord Conveying Equipment Division for details.

World Class Customer Service

For more than 100 years, the dedicated people of Rexnord have delivered excellence in quality and service to our customers around the globe. Rexnord is a trusted name when it comes to providing skillfully engineered products that improve productivity and efficiency for industrial applications worldwide. We are committed to exceeding customer expectations in every area of our business: product design, application engineering, operations, and customer service.

Because of our customer focus, we are able to thoroughly understand the needs of your business and have the resources available to work closely with you to reduce maintenance costs, eliminate redundant inventories and prevent equipment down time.

Rexnord represents the most comprehensive portfolio of power transmission and conveying components in the world with the brands you know and trust.

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