

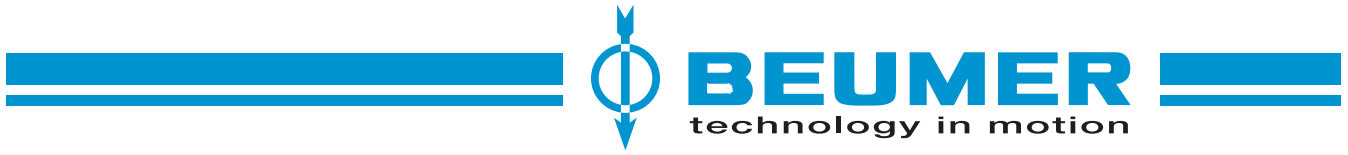


**BEUMER**  
technology in motion

CONVEYING TECHNOLOGY  
LOADING TECHNOLOGY  
PALLETIZING TECHNOLOGY  
PACKAGING TECHNOLOGY  
SORTATION AND  
DISTRIBUTION SYSTEMS



**Product program**



**The variety of project requirements demands solutions suited to the individual case – from the first project concept to the after-sales service.**

**BEUMER does not offer standard solutions, but designs, builds and erects equipment tailored in detail to the individual customer requirements.**

**The range of products comprises machines and systems which have proven in practical operation on many continents. It offers the user the guarantee for a high degree of availability and an economical operation.**



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The BEUMER MASCHINENFABRIK manufacturing plant and executive offices are located in the German town of Beckum in Westphalia – a region known for centuries for its cement and building materials industry.

BEUMER was founded in 1935, specializing in transport equipment, mining machinery and iron and sheet metal work. The company has achieved worldwide recognition in a very short time through its effective, customer-oriented approach to individual project requirements.

From its founding, the company has been an independent, family-owned enterprise. Today it is regarded as one of the leading companies in the conveying, loading, palletizing, packaging and distributing field. More than 700 qualified and experienced employees are continuously working to broaden this excellent reputation. They are the basis for the superior machinery and plant designs.

The above-average percentage of exports is positive proof of the quality of machinery produced in BEUMER's shops being recognized worldwide. Representatives in over 70 countries in addition to subsidiaries and affiliates in France, the U.S.A., Brazil, Great Britain,

Australia and Asia contribute to BEUMER's international marketing effort, working to provide optimal after sales service and to open up new markets.

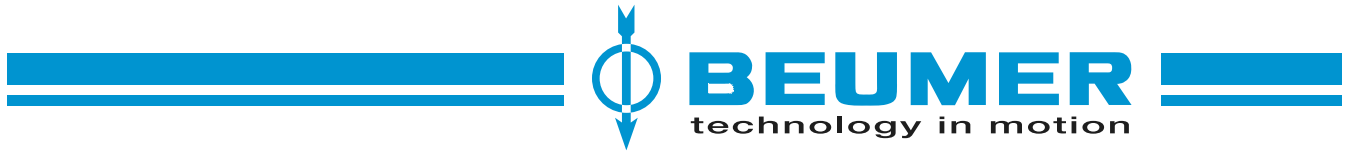
From the beginning, BEUMER conveying technology, loading technology, palletizing technology, packaging technology, sorting and distributing systems have been successfully operating to the satisfaction of our customers in the cement, lime and gypsum, chemical, iron, steel, and mining industries, and in many other areas as well.

Modern computer-controlled automatic piece-goods handling and distribution systems are in operation for railroads, post offices, airports, mail order houses, freight forwarders and raw material supply in industrial plants.

Customer demand serves as an impetus and a guideline for BEUMER in the company's continuing efforts to keep abreast with the latest technological advances.

In 1995, BEUMER was awarded the world-wide recognized certificate for a quality assurance system according to DIN EN ISO 9001.





## **BEUMER PRODUCT PROGRAM**

### **CONVEYING TECHNOLOGY**

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### **LOADING TECHNOLOGY**

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### **PALLETIZING TECHNOLOGY**

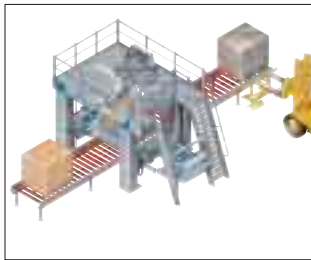
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### **PACKAGING TECHNOLOGY**

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### **SORTATION AND DISTRIBUTION SYSTEMS**

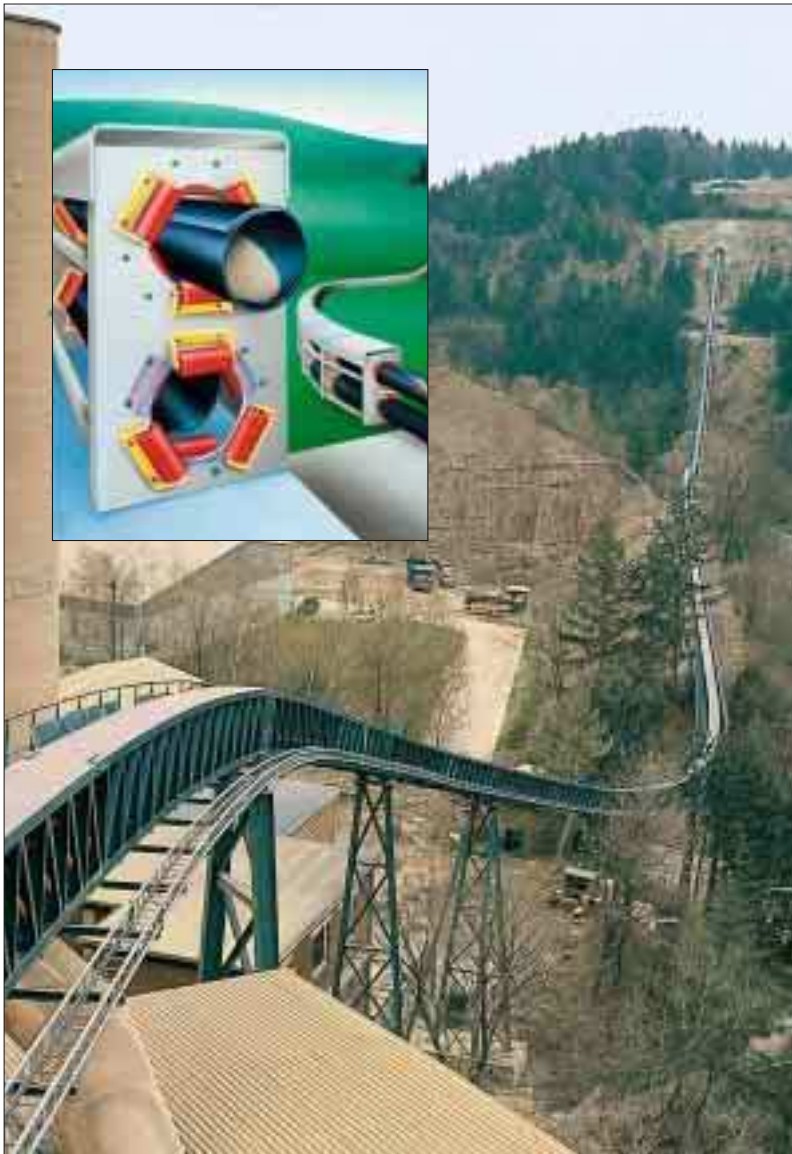
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## BEUMER CONVEYING TECHNOLOGY



Tubular belt conveyor as closed conveying system for the supply of the cement factory with raw materials

**BEUMER belt conveyors** are used as troughed or closed conveying systems for the continuous transport of the most different bulk materials. A broad range of varying belt widths and belt types in connection with the proven machine and steel construction components ensures a safe and economic operation.

**Troughed belt conveyors** in horizontally curved design were substantially developed by BEUMER. In comparison with the solution of several conveyors with a straight alignment, the realizable curved alignment with minimal curve radii offers the possibility of less expensive routes for these conveyors. In case of the simultaneous transport in the upper and lower strand of the troughed belt conveyors, an additional rationalization potential can be exhausted. With this technology BEUMER has set new milestones.

**Tubular belt conveyors** with their closed conveying system offer a further optimized adaptation of the route to the individual topographic conditions. The conveyed material is completely enclosed, transported in a dustfree manner and even extremely steep gradients are safely coped with. This technology is based on proven machine components and special belt design which ensure a secure operation.





Ascending troughed belt conveyor for the feeding of a cement loading installation



Horizontally curved troughed belt conveyor for the transport of limestone from the quarry to the cement factory



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## BEUMER CONVEYING TECHNOLOGY

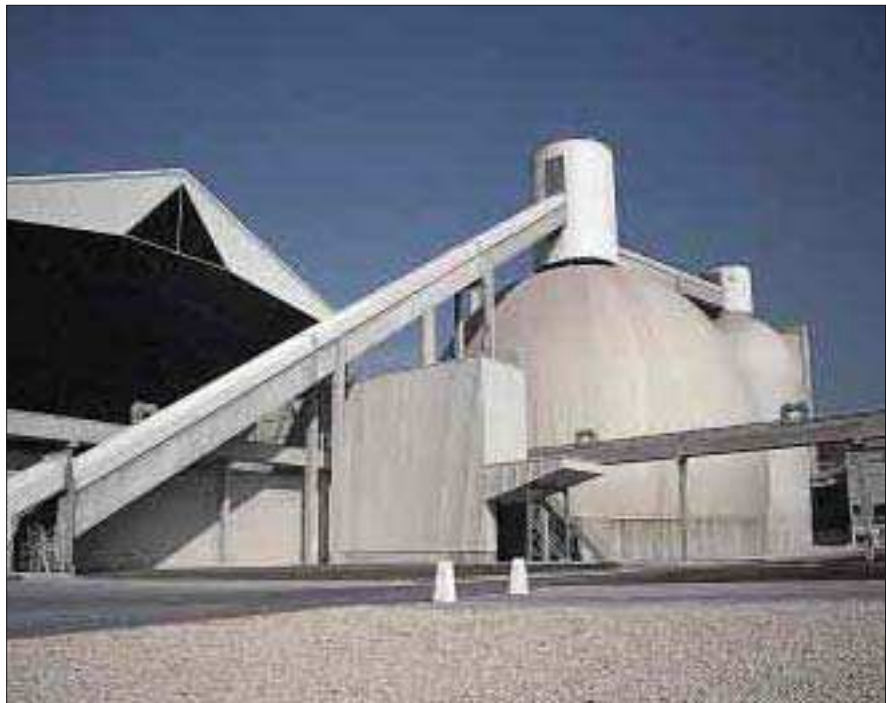
### Apron conveyors

Hot material transport presents one of the most difficult problems facing a conveying equipment designer. BEUMER apron conveyors are designed to effectively meet the numerous specific demands posed by this particular application: high material flow volume, large center distances, varying conveyor routes, handling of considerable conveying heights and intermediate discharge requirements.

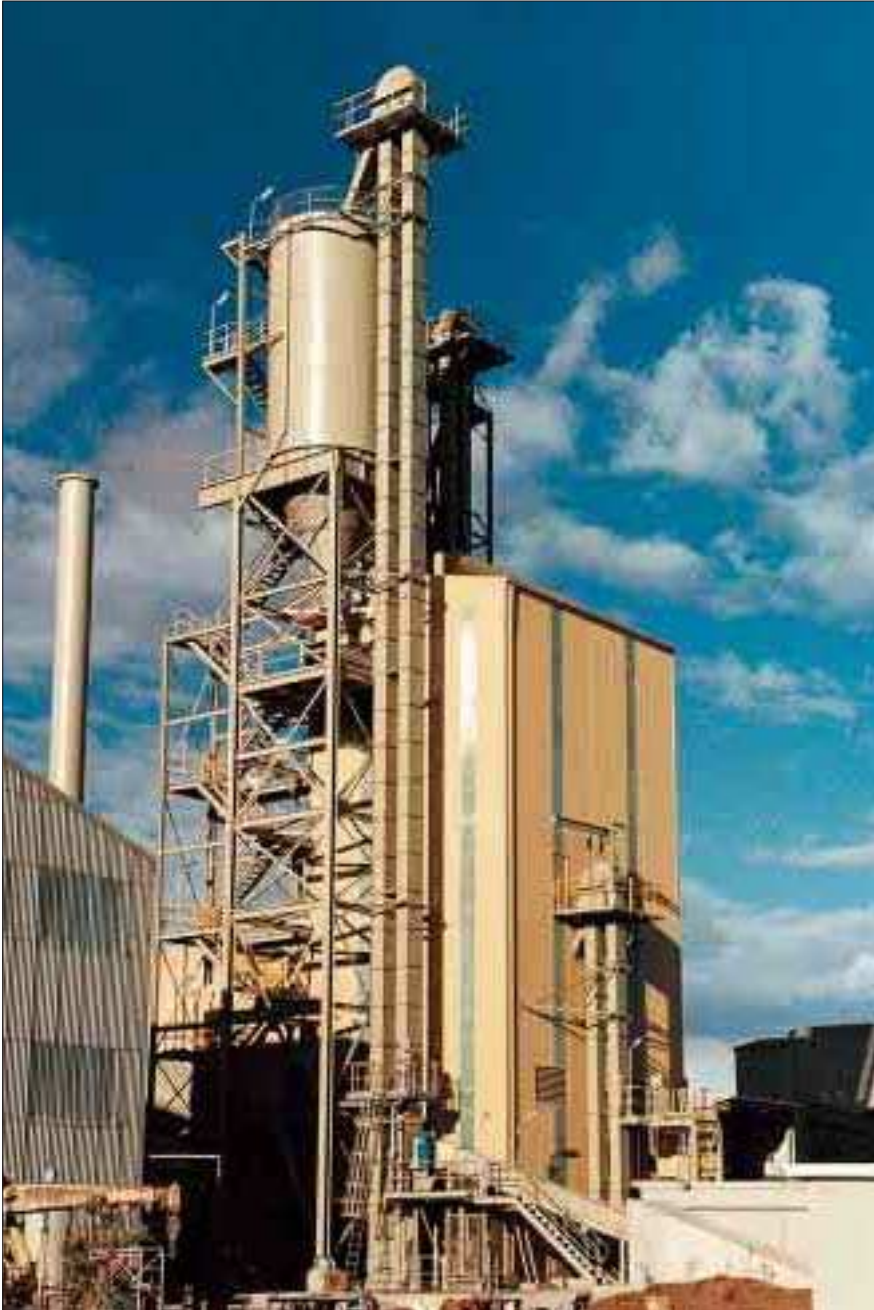
BEUMER's product line includes apron conveyors, belt apron conveyors, hinged apron conveyors, hinged bucket conveyors and tipping tray conveyors. A graduated programme of varying conveying capacities and cell widths is available.



Apron conveyor for the transport of clinker with non-contacting overlapping cells



Feeding a clinker silo using an apron conveyor

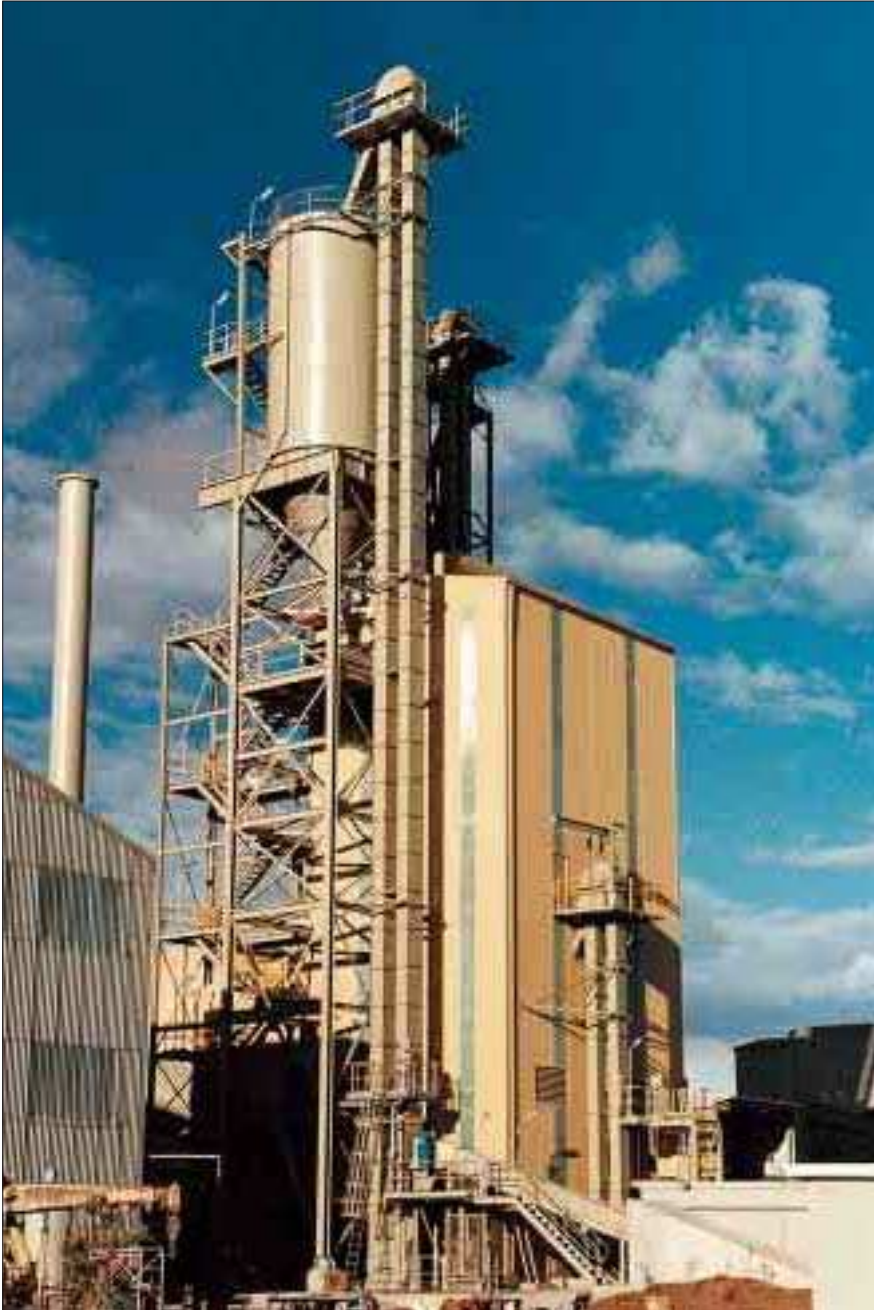


## BUCKET ELEVATORS

BEUMER is one of the leading suppliers in the market for high capacity bucket elevators and has done pioneering work in the high capacity bucket elevator field. The development of patented high-quality steel cable reinforced belts with special bucket mountings is the reason why today high capacity belt bucket elevators for conveying heights of 200 m and material flows of 2000 m<sup>3</sup>/h and more can be realized.

Both our chain and belt bucket elevators have proven reliable in thousands of installations under the most difficult and even extreme continuous operating conditions. For particular operational requirements, special bucket elevators are available.

High capacity belt bucket elevator



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High capacity belt bucket elevator



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## BEUMER LOADING TECHNOLOGY

Proven bulk loading systems ensure dust-free and by this environmentally safe bulk material loading of trucks, railcars and ships



BEUMER autopac®, the efficient direct loading



Whether trucks, railcars or ships are to be loaded or unloaded, there is no vehicle for which BEUMER cannot offer the ideal solution. The loading unit itself is always the main component, in conjunction with this the complete loading systems are planned, manufactured and erected. The outstanding feature of each plant is efficiency combined with ease of operation. The special construction allows the loading head to be always accurately guided into its loading position. This allows a maximum output by minimum physical effort.



BEUMER can also supply complete transporting installations for use in conjunction with the BEUMER palletizing equipment, ranging from unloading through palletizing in intermediate storage areas, from depalletizing and onward conveying to the loading process. BEUMER can design, supply and erect such complete lines in one package.



The loading conveyor under the spiral chute permits optimal feeding of the storage area



BEUMER robotpac®

By means of specifically developed gripping elements, the construction series BEUMER robotpac® palletizes and depalletizes the most different packaged goods. The BEUMER adaptation control ensures an operator friendly handling as well as the flexible adjustment to modified conditions of use. Even complex processes with varying basic parameters can be solved in a reliable and economic way.

The integration of highly developed control mechanisms into the BEUMER robotpac® system offers the possibility of palletizing goods to be commissioned with different dimensions by constructing stable unit loads which are optimized with regard to the required space.



Variable palletizing



## BEUMER PACKAGING TECHNOLOGY

With the systems

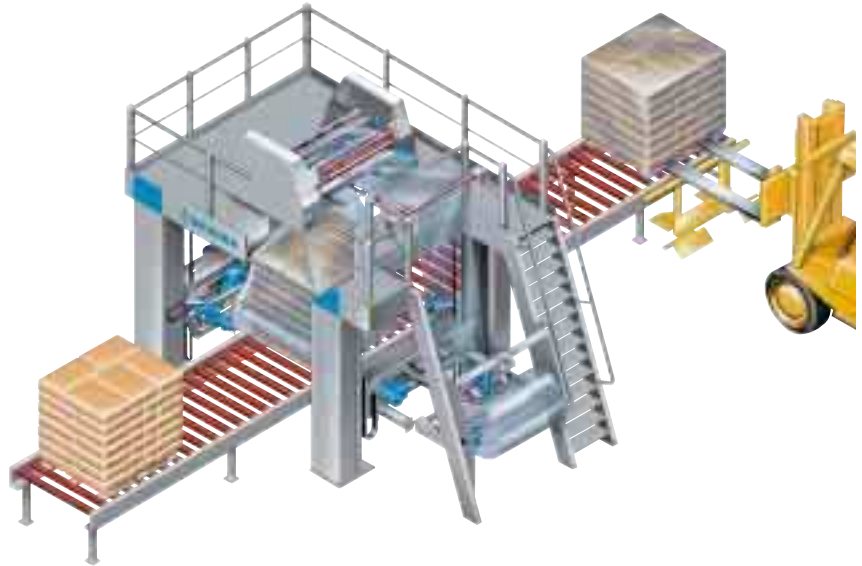
**BEUMER thermopac®**

**BEUMER paketpac®**

**BEUMER stretchpac®**

**BEUMER stretch hood®**

the product field of packaging technology offers alternative solutions for the protection of palletized unit loads. Whether as pure weather protection or as means of transport securing, the load securing system which is most suitable for the specific requirements, individually adjusted to the logic general concept, is selected together with the user.



BEUMER thermopac®. Transport and weather protection by means of shrink film wrapping with a pallet as load carrier.

BEUMER paketpac®  
Palletless shrink film wrapping for the production of weather, transport and transit resistant unit loads



Cement bag stacks with a weight of 2.2 t during transit by means of a fork lift truck.

Open air storage of waterproofed load units





BEUMER stretch hood®  
the film hood with the elastic biaxial stretch.



BEUMER stretch hood®  
Transport and weather protection with the perfect base stretch underneath the load carrier.



BEUMER stretchpac®  
Load securing of a variety of packaged good shapes and stack dimensions.

## BEUMER SORTATION AND DISTRIBUTION SYSTEMS

In all branches of service and industry the trend continues towards

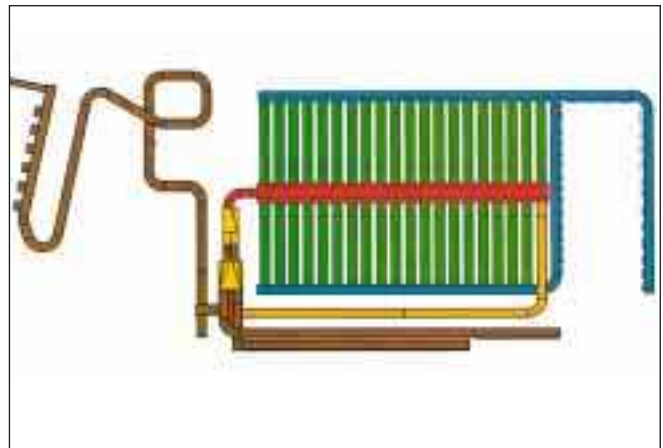
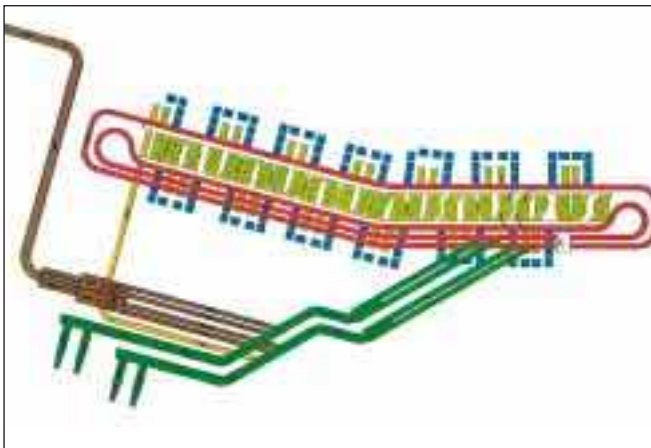
increasingly sophisticated material distribution equipment working reliably within an overall system.

The BEUMER product line includes fully automatic conveying and distribution equipment for all types of piece goods. Extensive, computer-controlled systems can be supplied for post offices, railroads, airports, mail order houses and industry.



Conveying and sorting system for packages

Conveying and sorting system for express shipments and baggage





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The ever increasing volume of passenger traffic at international airports is accompanied by a growing demand for high-speed baggage handling equipment. BEUMER has specialized in the baggage handling area and can offer a wide variety of modern baggage conveying and sorting systems. This line includes check-in installations, conveying equipment and container transport along with the system controls, central computers and the accessory units.

Using the latest technology, up to 10000 pieces of baggage can be handled in an hour.

The international airports in Sydney, Frankfurt, Düsseldorf, Rio de Janeiro, Köln-Bonn, New York, Kansai/Osaka, Brussels, Schiphol and Hamburg all have BEUMER baggage handling systems in operation.

All branches of service and industry are constantly looking for new ways of improving the efficiency of their transport systems. BEUMER, through years of experience in designing systems to suit individual customer requirements, can offer complete package conveying and distribution systems from the initial design stage to the commissioning within its special program.

These central computer-controlled systems can process up to 16000 packages per hour.



## PROGRAM OF SUPPLY

### CONVEYING TECHNOLOGY

- Conventional and closed belt conveyor systems
- Overland conveyors also in curved design
- High capacity belt and chain bucket elevators
- Apron conveyor systems with chains or steel cable reinforced belts as traction element
- Bag handling systems for packing plants
- Screw conveyors in various designs

### LOADING TECHNOLOGY

- Plants for loading of bulk or bagged material onto trucks, into railroad vehicles and ships
- Semiautomatic railcar unloading machines
- Automatic bag loading systems for trucks and containers

### PALLETIZING TECHNOLOGY

- Palletizing robots
- Automatic high capacity palletizers
- Automatic depalletizers
- Pallet conveying systems

### PACKAGING TECHNOLOGY

- Stretch wrapping
- Shrink wrapping
- Stretch hood wrapping
- Palletless shrink wrapping

### SORTATION AND DISTRIBUTION SYSTEMS

- Computer-controlled handling, sorting and distributing systems for piece goods
- Routing controlled conveying of pallets and collected loads



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We reserve the right to make changes without notification.

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