



**BEUMER**  
technology in motion



Conveying technology   Loading technology   Palletising technology   Packaging technology   Sortation and distribution technology

## **BEUMER belt conveyors** **Efficient solution for long distances.**





**This is what we transport!**

**Connecting the raw material deposits to the factory:**

- Cement industry: transport of limestone, clinker, cement, secondary combustibles, filter dusts, etc.

**BEUMER belt conveyors**  
**Everything in motion –**  
**everywhere.**

- Chemical industry: transport of granulated material, fertilisers, etc.
- Steel industry: transport of ores
- Power plants: transport of coal, slag, gypsum, raw meal, secondary combustibles, etc.
- Waste recycling: elimination of pollutants
- Exploitation of gravel and sand pits
- Phosphate mining and processing plants
- Transport of other materials: feeding stuff, cereals, dust, chipped wood, aluminium oxide, etc.
- Transport of dangerous, contaminated, dusty, very lightweight or strong-smelling substances





**Pioneer with know-how.**

For many years BEUMER has been successfully supplying systems and plants for bulk material and piece good transport worldwide. Since its foundation BEUMER has substantially shaped technical development in the conveying technology sector and, with its belt conveyors, can always offer you the right solution for your transport requirements.

**We set your products on the right track. Safely and fast.**

Long distances, large heights, small radii – the BEUMER system solutions are as individual as the requirements in the conveying technology sector. We keep you satisfied with our technical expertise and always work with you to identify the right solution to transport your products quickly, safely and efficiently from A to B.

**BEUMER belt conveyor: efficient and eco-friendly.**

There are many good reasons to buy a BEUMER belt conveying system. In rough terrain, the transport of goods – for example by truck – involves significant effort and costs. When using a BEUMER belt conveyor, you save time and energy, accompanied by negligible personnel costs.



At the same time you contribute to environmental protection thanks to reduced CO<sub>2</sub> emission, as well as lower noise and sound emissions compared with truck and rail transport.

Quick amortisation of the systems due to high savings potential, as well as low maintenance costs and a smart feed control enabling a cost-efficient material feed are further winning arguments.

Sophisticated drive technology, low-wear and low-maintenance components of high quality reduce system charge and increase service life.

BEUMER belt conveyor: efficient and ecological solutions for bulk material and piece good transport. Designed for decades.

**Simply ecological: energy recovery with descending transport.**

In case of descending transport, the motors are run in regeneration mode enabling the generation of electrical energy from the kinetic energy of the transported material.

The motors, which are run in motor-driven and regeneration mode, are mostly adjustable. This permits an optimum load distribution over the drive units at different operating conditions.

In certain loading conditions, the system is run in regeneration mode. The generated electric energy is fed to the mains by a regenerative feedback unit, enabling a reduction in operating costs of the complete system.



#### Reference systems – see for yourself!

- Tudela Veguin, La Robla, Spain, troughed belt conveyor 4,000 m (conveying length)
- Halla Cement Manufacturing Corporation, South Korea, troughed belt conveyor 4,196 m

## BEUMER belt conveyors Open or closed – the belts always fulfil their conveying tasks.

- Holcim Zement AG, Untervaz, Switzerland, troughed belt conveyor 1,300 m
- Portlandzementwerk Wittekind, Erwitte, Germany, tubular belt conveyor 750 m
- Dyckerhoff Zement, Lengerich, Germany, two tubular belt conveyors 82 m
- Märker Zement Harburg, Harburg, Germany, troughed belt conveyor 1,120 m
- Rohrbach Zement, Dotternhausen, Germany, troughed belt conveyor 2,360 m
- Asia Cement Group, Sichuan, China, troughed belt conveyor 12,560 m
- Heidelberger Cement Group – PT Indocement, Tunggul Prakarsa, Indonesia, tubular belt conveyor 340 m
- National Cement Company, Ragland, Alabama, US, troughed belt conveyor 3,378 m
- Ciments Vigier S.A., Reuchenette, Switzerland, troughed belt conveyor 2,397 m, tubular belt conveyor 244 m
- Binh Phuoc, Vietnam, troughed belt conveyor 9,950 m





**BEUMER belt conveyors:  
flexible in every situation.**

Efficient transport means customised adaptation to the material to be transported, geographical conditions and existing equipment and systems.

With its integrated concepts, BEUMER offers you the optimum transport solution:

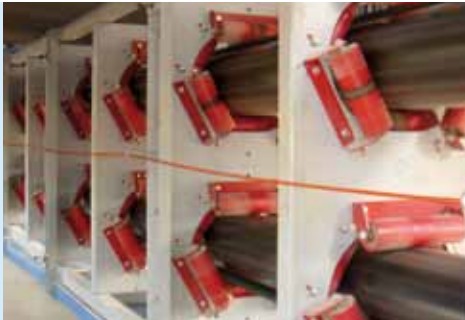
**BEUMER troughed belt conveyors** (open) for all products. They are used in case of higher throughputs, higher mass flows and larger curved radii.

**BEUMER tubular belt conveyors** (closed) for all products to be protected against weather. They are used in topographically challenging areas which require small curved radii and large angles of inclination.

**Challenging topographies –  
no problem for us.**

Rough, mountainous and fragmented terrain with extreme differences in height – nothing the BEUMER belt conveyors can't handle. The routing of the belt conveyors is adapted to

the geographic and topographic conditions by combining horizontal and vertical curves. This leads to considerable savings in earthwork and avoids cost-intensive transfer points.

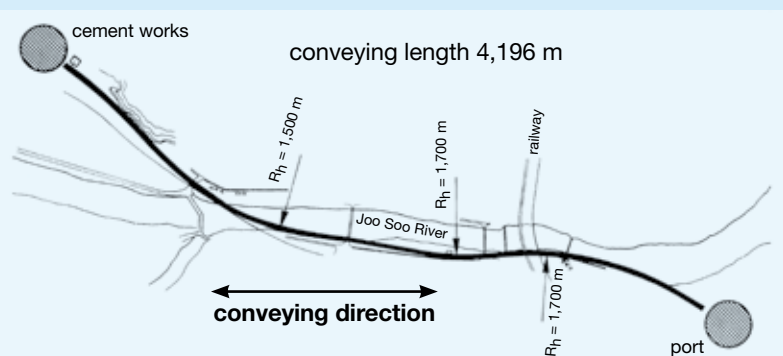


**BEUMER – competence from start  
to finish.**

Throughout the planning phase, we support you with our technical know-how and enable the implementation of systems thanks to our expertise in routing. Comprehensive feasibility studies and complex simulations of the loading conditions help us to develop the best system solution for your transport tasks. Individual advice, optimum implementation of all processes and continuous quality assurance round off the picture and turn BEUMER into a strong, reliable partner.

Our worldwide service network ensures quick and reliable assistance on site and thus sustained operational capability of the systems.

BEUMER engineering – all from one hand for your economic success.



Bidirectional transportation on a curved configuration belt conveyor as a connecting link for the flow of materials between the cement works and the port.



## Intelligent solutions from the intralogistics experts. BEUMER worldwide.

**We are always there when you need us!**

### **Worldwide service.**

Our service managers' regular inspections ensure:

- Sustained operational capability of your equipment
- Reduction of downtimes
- Sharing of best practices
- Qualification of the maintenance team
- Continuous product optimisation
- Spare parts optimisation

### **Trouble-shooting/BEUMER Hotline.**

- Qualified worldwide support on short notice
- Online trouble-shooting
- Worldwide availability of service engineers
- On-demand deployment option
- Fast, responsive service on the ground in real time

### **Technical consulting.**

We can advise and train your staff, either in our own training centre or at your designated facility. This ensures:

- Optimal equipment and system operation
- Qualified evaluation of equipment condition
- Long-term optimisation strategies

### **Maintenance and repairs.**

- Personnel specifically qualified for your equipment
- Foundation for superior operational reliability
- Qualification of your personnel in all facets of maintenance



**We know the way. Worldwide.**

As one of the international leaders in the manufacture of intralogistics for conveying, loading, palletising, packaging, sortation and distribution technologies, we know the routes your products take and their unique handling characteristics. This knowledge is integrated into the development and manufacturing processes for all our equipment and systems. We maintain and ensure proximity to our customers in every part of the world through a global sales and service network.

The BEUMER story is far reaching. A team of 2,000 professionals worldwide. Annual turnover of 375 million EUR. Wholly owned subsidiaries and holding companies on each continent and representatives in over 70 countries. Each of these elements contributes to a solid foundation for our export-orientated

activities. And our presence on the ground ensures individual adaptation to local requirements. Location-relevant solutions are the result of our constant close cooperation with our customers.

**Our corporate philosophy.**

Family spirit is a fundamental factor in the success of BEUMER as a globally operating concern. Shareholders, executive management and staff are essential members of a community in which constructive cooperation is the hallmark of our corporate philosophy. The owners' commitment to considerable reinvestment in the company is a prerequisite for securing the future, and is the basis for the success-oriented partnerships between our company and our customers.





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## BEUMER belt conveyors Technical data

### Centre distance:

BEUMER tubular belt conveyors:  
up to 10 km

BEUMER troughed belt conveyors:  
up to 20 km

### Curve radius:

BEUMER tubular belt conveyors: 300 x D  
for fabric belts, 600 x D for steel wire belts.  
BEUMER troughed belt conveyors: > 400 m  
for horizontal curves, vertical curves  
depending on the application

### Conveying capacity:

up to 6,000 t/h

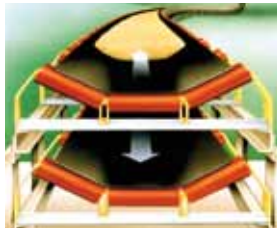
### Conveying speed:

up to 6.5 m/s

### Angles of inclination:

up to 30° depending on the material to  
be conveyed

We are pleased to check all technical  
data for your specific application.



### BEUMER

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