



**BEUMER**  
technology in motion



Conveying technology   Loading technology   Palletizing technology   Packaging technology

**BEUMER-solutions for the building materials industry. Efficient. Safe.**





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## **BEUMER-solutions for the building materials industry.**





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technology in motion

### **We know the way. Worldwide.**

As one of the international leaders in the manufacture of material handling systems for the conveying, loading, palletizing and packaging technologies, we know the routes your products take and their respective specific properties. This knowledge is integrated into the development and construction processes of all our equipment and systems for the building materials industry. See for yourself!

The proximity to our customers in every part of the world is maintained and ensured by a global sales and service network. Our workforce of almost 750, an annual turnover of EUR 150 million, our own subsidiaries and holdings, as well as manufacturing facilities in each continent and representatives in over 70 countries are the solid foundation of our export-orientated activities.



Our presence on the ground ensures individual adaptation to regionally varying requirements. Location-relevant solutions are the result of our constant close cooperation with our customers from the building materials industry.

### **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 a significant element, representing our corporate philosophy.

The owners' commitment to considerable reinvestment in the company is a prerequisite for securing the future, and is the basis of the success-orientated partnerships between our company and our customers.



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**BEUMER-conveying technology,  
a grip on every part of the process.**





**BEUMER. Always in motion.**

For many years, the BEUMER group has been a worldwide supplier of systems and equipment for bulk and piece goods conveying. No matter whether the cement, lime or gypsum industry, we always have the right solution for your conveying needs.

**Belt conveyors. The economical solution for long distances.**

Belt conveyors, either as tubular belt or as troughed belt conveyors, are installed for the continuous conveying of a wide range of different bulk materials. Particularly in situations where difficult terrain and long distances are involved, these offer considerable cost and technological advantages when compared with the deployment of wheeled vehicles. With the realisation of horizontal curved configurations, for example, for moving limestone from quarry to cement works, BEUMER has set new standards in the conveying equipment sector.



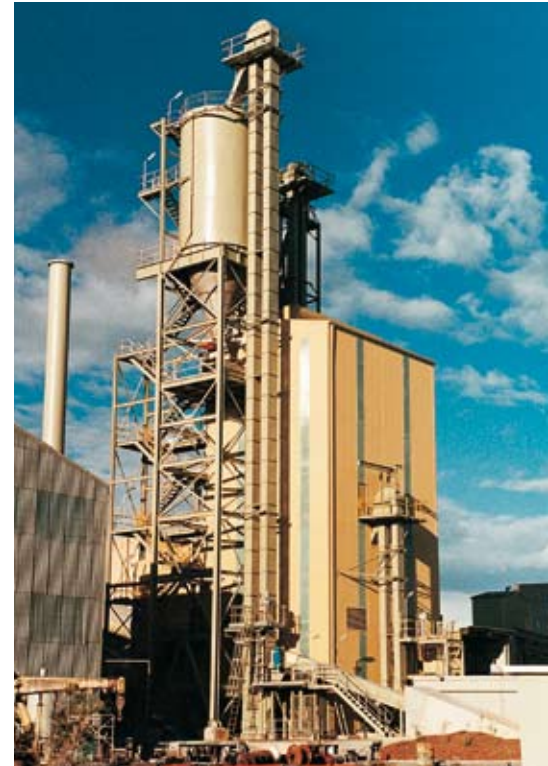
**Hot materials conveying – where the heat is on in conveying technology.**

Hot material conveying: BEUMER steel cell apron conveyors are the ideal solution for the diverse and demanding requirements in this specific field, for example, for moving hot clinker: high conveying capacities, high temperatures of up to 1,200/1,600 °C, extreme centre distances, complex routing, overcoming extreme conveying heights and intermediate discharge options. The BEUMER product line offers a comprehensive range with a wide choice of conveying capacities.

**BEUMER bucket elevators for outstanding performance.**

As the market leader in the field of bucket elevators, BEUMER broke new ground in the high-performance bucket elevator sector. With BEUMER's development of endless high-grade steel cables and corresponding bucket mountings, it became possible to construct high-performance belt bucket elevators for elevations of up to 200 m – for instance, for charging heat exchangers in the cement industry – and conveying capacities of 2,000 m<sup>3</sup>/h and more.

Both chain bucket elevators and belt bucket elevators have long since proved their qualities in thousands of hours of continuous operation, under the hardest and sometimes extreme conditions. Special bucket elevators are also available for specific operating requirements.



**At a glance – BEUMER-conveying technology.**

- Belt conveyors as closed or open conveyors and in curved configurations
- High-capacity bucket elevators as belt and chain bucket elevators
- Hot materials conveyors as apron conveyors with link plate chains or steel cable belts
- Bag conveyors for packaging facilities
- Screw conveyors in various forms
- Charging, metering and screening equipment



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**BEUMER-loading technology,  
precise, safe and clean.**





**BEUMER – always in the right position.**

No matter whether heavy trucks, railway trucks or vessels, there is no vehicle type for which BEUMER has no ideal solution for loading or unloading materials for the building industry. The actual loading machinery is the heart of each system. Complete loading systems are planned, manufactured and assembled around this heart according to our customers' requirements. The outstanding features of all systems are their cost effectiveness, and simultaneously simple operation and high performance, with only an absolute minimum of manual work.

**Loading equipment for bulk materials:  
Custom concepts for all products.**

BEUMER is one of the leading providers of loading equipment for bulk materials.



The know-how and expertise gathered through decades of experience, first-class quality and continuous, innovative development and upgrading of this product line provide users with a guaranteed high level of operational availability and cost-effective operations.

The particular challenge here is to provide loading and handling technologies that are based on concepts designed and developed specifically for the products to be handled and the environments in which the equipment is to be installed. This involves considerations with regard to the properties of the respective materials to be loaded, such as their bulk density and flow characteristics as well as

the loading capacity, weight and volume control and, of course, dust-free and environmentally safe workplace issues. In the case of high loading volumes, for example, in the cement industry, stationary loading heads are no longer sufficient, particularly when the vehicle being loaded is standing on a weigh-bridge and may not be moved. It must be possible to move the loading head to the exact location of each of the vehicle's filling spouts. Depending on the properties of the materials to be loaded, and the length of the vehicle, a choice of different sliding or swivel-mounted loading systems is available. These highly flexible loading systems can be fitted with either one or two loading heads, depending on available space.

**Two in one – the automatic loading and palletizing unit.**

The BEUMER autopac® 3000 is an efficient and cost-effective system for simultaneous loading and palletizing of bagged materials such as cement, lime or gypsum. In either a mobile or static configuration, they offer a wide range of applications guaranteeing optimum utilisation of dispatch capacities.



**At a glance –  
BEUMER-loading technology.**

- Equipment for the loading of loose and bagged bulk materials in heavy goods vehicles, railway trucks and vessels.
- Truck unloading equipment
- Automatic bag loading equipment for heavy goods vehicles and containers





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**BEUMER-palletizing technology,  
fast, careful and secure packing.**





### Stacked in your favour.

When it comes to the palletizing of widely varying load units in the building materials industry, the numerous loading requirements demand a versatile and comprehensive product range. BEUMER provides the solutions for safe and secure transportation with their BEUMER robotpac® and BEUMER paletpac® product lines. The range is complemented by a multitude of additional components, for example, for the transportation of packages, full and empty pallets, for labelling and special functions.



### High-tech for individualised solutions.

The machine and system software is programmed by specialists who know precisely what individual customers require for palletizing their specific materials. Painstaking handling of each packaging unit and perfect stacking of palletised load units guarantee safe and secure transportation and positive feedback at the receiving end.

### Stacks of convincing economical solutions.

The BEUMER robotpac® product line palletizes and depalletizes widely differing packaging units with the aid of specially conceived handling arms. BEUMER's adaptation control ensures user-friendly operation and flexible adaptation to changing application demands. Even complex processes with varying basic parameters are handled reliably and economically.

The BEUMER paletpac® systems provide convincing solutions for every situation. They are characterised by excellent stacking quality and extreme reliability, and are constantly updated to meet rapidly changing market requirements. A system for customers who know that only the best is good enough.



### At a glance – BEUMER-palletizing technology.

- Palletizing robot
- High-capacity palletizer in modular design
- Depalletizing installations and pallet transport installations



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**BEUMER-packaging technology,  
superb custom solutions.**





### The right protection for enhanced security.

BEUMER packaging technology provides the building materials industry with a wide range of different systems for the protection of palletized load units.

Whether loads require securing or protection against the elements, the ideal load securing method is specifically developed in close collaboration with customers to meet the demands of each overall logistics concept.

### It's your choice – stretch, shrink or wrap.

BEUMER stretch hood® is the innovative development in packaging technologies for the optimum securing of palletized load units. This highly efficient packaging machine combines the latest control systems, mature functional modules and unique film handling characteristics and is an efficient and practice-orientated solution to meet the broad spectrum of demands in shipment packaging.

BEUMER combipac® – a method employing thermo-shrink wrapping film. A film wrap covering reliably protects packaged goods of all kinds during storage or transportation. Depending on project specifications, throughputs of up to 60 load units per hour can be achieved. Thermo-shrink wrap is a safe packaging material with a low environmental impact.



BEUMER paketpac® – the palletless packaging technology, BEUMER paketpac®, works on the flat film or counter hood principles. Amongst other qualities, the flat film method's use of flat films means low film consumption, extreme rigidity and optimum weathering protection.

In the counter hood method, a flat film sheet reinforces the package base, subsequently, a shrink hood and a counter hood are applied to ensure optimum load protection.



BEUMER stretchpac® – the fully automatic stretch wrapping machine functions on the rotating film reel principle – BEUMER stretchpac® S – or with a rotating pallet – BEUMER stretchpac® R. In both methods, the strong contractive forces of the films employed ensure effective protection of load units during transport. The top-side of the packaged goods is additionally protected by a sheet film cover.



### At a glance – BEUMER-packaging technology.

- Film packaging equipment for the securing of palletized loads with shrink or stretch films
- Palletless shrink-wrap packaging equipment



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