



BEUMER
technology in motion



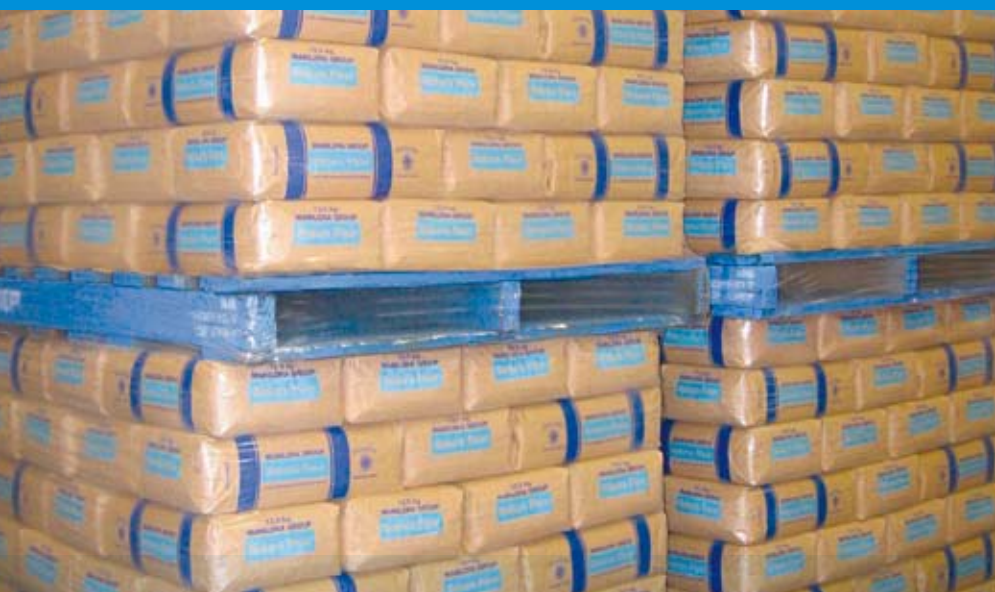
Conveying technology Loading technology Palletizing technology Packaging technology Sorting and distribution technology

**BEUMER palletizing technology:
quick, gentle and safe stacking.**





BEUMER palletizing technology
The very best in stacking quality.





**A matter of fact for BEUMER:
superior performance.**

For over 30 years, BEUMER has been designing and developing innovative packaging technologies for a vast range of products. Whether for the building materials and cement industry, for individual and bulk products in the chemical industry, for humus soils, peat and fertilizers or for the foodstuffs and animal feed segment – the BEUMER product programme has always been characterised by first-class stacking quality and extreme reliability.

The wide variety of tasks demands a graduated and comprehensive range of products and services. With the BEUMER robotpac® and BEUMER paletpac® lines, BEUMER offers ideal solutions for secure transportation. With superior performance levels of up to 5,000 packaging units per hour.

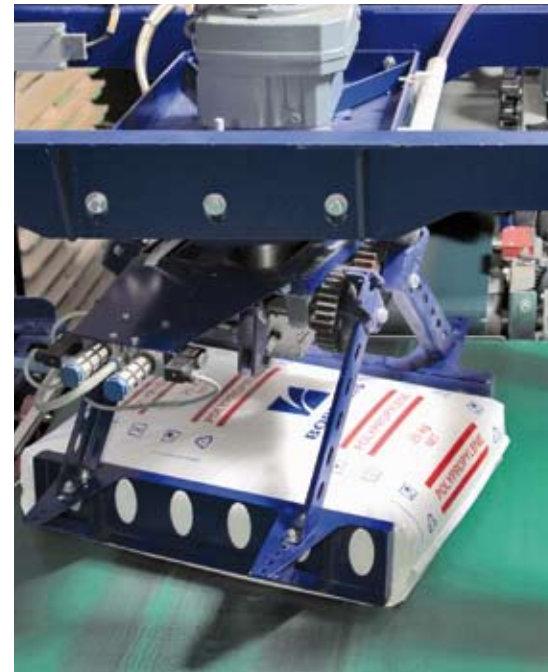


**BEUMER palletizing technology –
simply efficient.**

The BEUMER research and development division constantly analyses, redesigns, modifies or upgrades all systems and machines to meet the latest customer and market demands. One factor is always at the focus of our attention: system efficiency, for example factory testing by BEUMER reduces commissioning times after delivery to our customers and allows a faster and more effective start of full production.

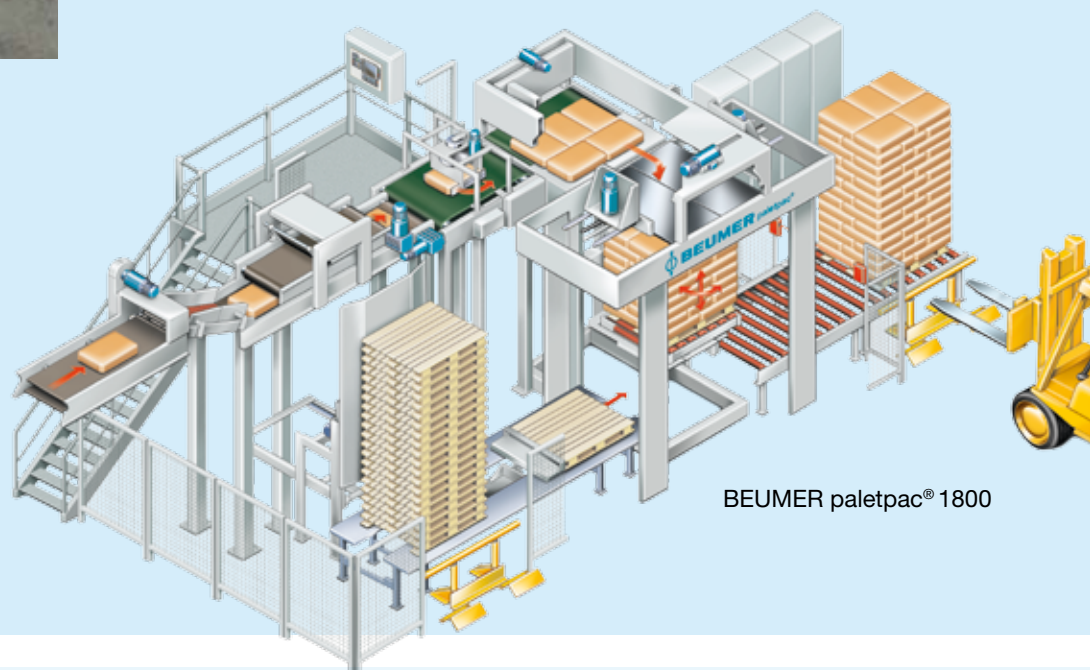
**BEUMER – everything from a single
source.**

By request, we deliver as general contractor complete concepts containing everything from product filling and palletizing to packaging according to your wishes and coordinated to fulfil your precise needs. Qualified engineering, fast and reliable local service and optimised spares logistics complete the picture and guarantee maximum operational capability.



Summary of palletizing capacities

Bond	3x	5x	6x	7x	7x	8x	8x	10x
Packing pattern								
paletpac® 600	360	600	450	600	720	500	550	650
paletpac® 1250	800	1250	1200	1400	1500	1400	1350	1600
paletpac® 1800	1200	1800	1350	1800	1800	1800	1800	1800



BEUMER paletpac® 1800



BEUMER palletizing technology
Modular construction that leaves nothing
to be desired.





BEUMER: adaptable palletizing systems.

The pressures of international competition increase from day to day. In order to maintain a competitive edge in the market, businesses need high-performance systems that fulfil the demands on modern machines and systems – for instance, extended running times under maximum load.

BEUMER palletizing technology provides ideal system solutions, perfectly tailored to meet the customers' specific requirements and fully compliant with



BEUMER service – for satisfied customers. Worldwide.

Our technical customer service supports you locally regarding matters of installation, operational commissioning as well as the maintenance and repair of all your facilities and systems, and assumes responsibility throughout the entire operational life cycle. If you should have any urgent questions, you can of course take advantage of the BEUMER Hotline too – fast and reliable, around the clock.

BEUMER palletizing technology Outstanding features: always a touch better.

In addition to their systematic programme management, BEUMER palletizing also stands out because of several special features. For example, our 'operation mode division' feature allows

the individual control of each separate component of a palletizer and ensures that any faults are quickly found and remedied. The system components not affected by the fault are automatically returned to default positions from which, after the fault has been remedied, normal operation can be resumed automatically. This feature prevents the occurrence of subsequent faults.



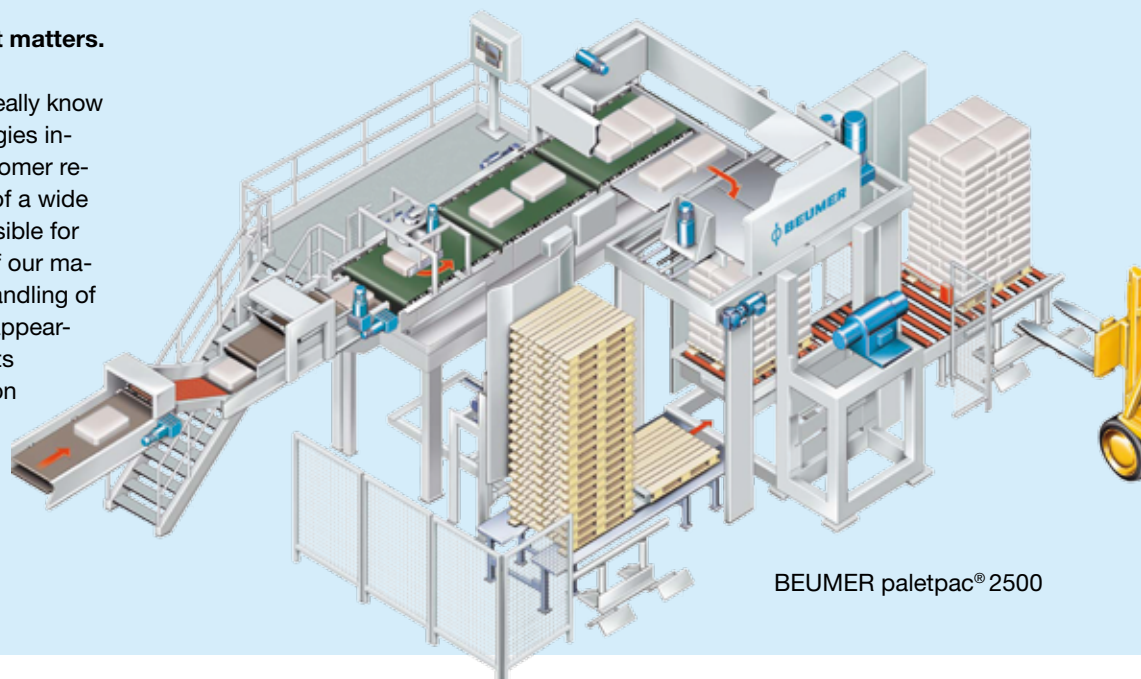
the various wide-ranging product properties of the goods to be packaged. Thanks to modular construction, individual machines can be simply and quickly upgraded at any time, and without any problems, to cope with future increased production demands.

BEUMER experts know what matters.

Experienced specialists, who really know everything about the technologies involved as well as specific customer requirements for the palletizing of a wide range of materials, are responsible for the design and construction of our machines and systems. Gentle handling of packaging units and an ideal appearance of the palletized load units guarantee secure transportation and positive customer feedback.

Summary of palletizing capacities

Bond	4x	5x	6x	7x	8x	9x	10x		
Packing pattern									
paletpac® 2500	1300	2200	1800	2500	2500	2100	2500	2500	2600
paletpac® 2500 A	1400	2500	2600	2500	2500	2500	2500	2500	2600



BEUMER paletpac® 2500



BEUMER paletpac® Stacks of impressive and efficient solutions.

BEUMER paletpac®-product range

With bar or clamp turning device:

- BEUMER paletpac® 600
- BEUMER paletpac® 1250
- BEUMER paletpac® 1800
- BEUMER paletpac® 2500 with additional timing conveyor and second pusher

High-performance line with bar turning:

- BEUMER paletpac® 3000 with double bar turning device
- BEUMER paletpac® 4000 with bag stream splitting and mobile bar turning device
- BEUMER paletpac® 5000 with bag stream splitting and double pusher

Special features:

- Programme for all typical packing patterns
- Particularly gentle bag handling
- Low noise and low wear characteristics thanks to the latest power train technology
- Easy operating with diagnostics system
- Fast parameter settings for optimisation and adjustment to variable bag and pallet sizes





BEUMER paletpac®: gentle handling and perfect appearance.

In case of need, BEUMER paletpac® systems offer persuasive solutions with performance rates of between 600 and 5,000 bags per hour – regardless of the bag type, paper, PE or PP, and the filling of granulates, salts or fertilizers. They are characterised by gentle product handling, outstanding stacking qualities and extreme reliability, and are constantly being upgraded to meet the wide-ranging demands of changing markets.

The unique system expertise at BEUMER ensures optimum machinery configurations with appropriate options for all technical and functional requirements, even in the field of peripherals.

BEUMER paletpac® – the right palletizing system for every package.

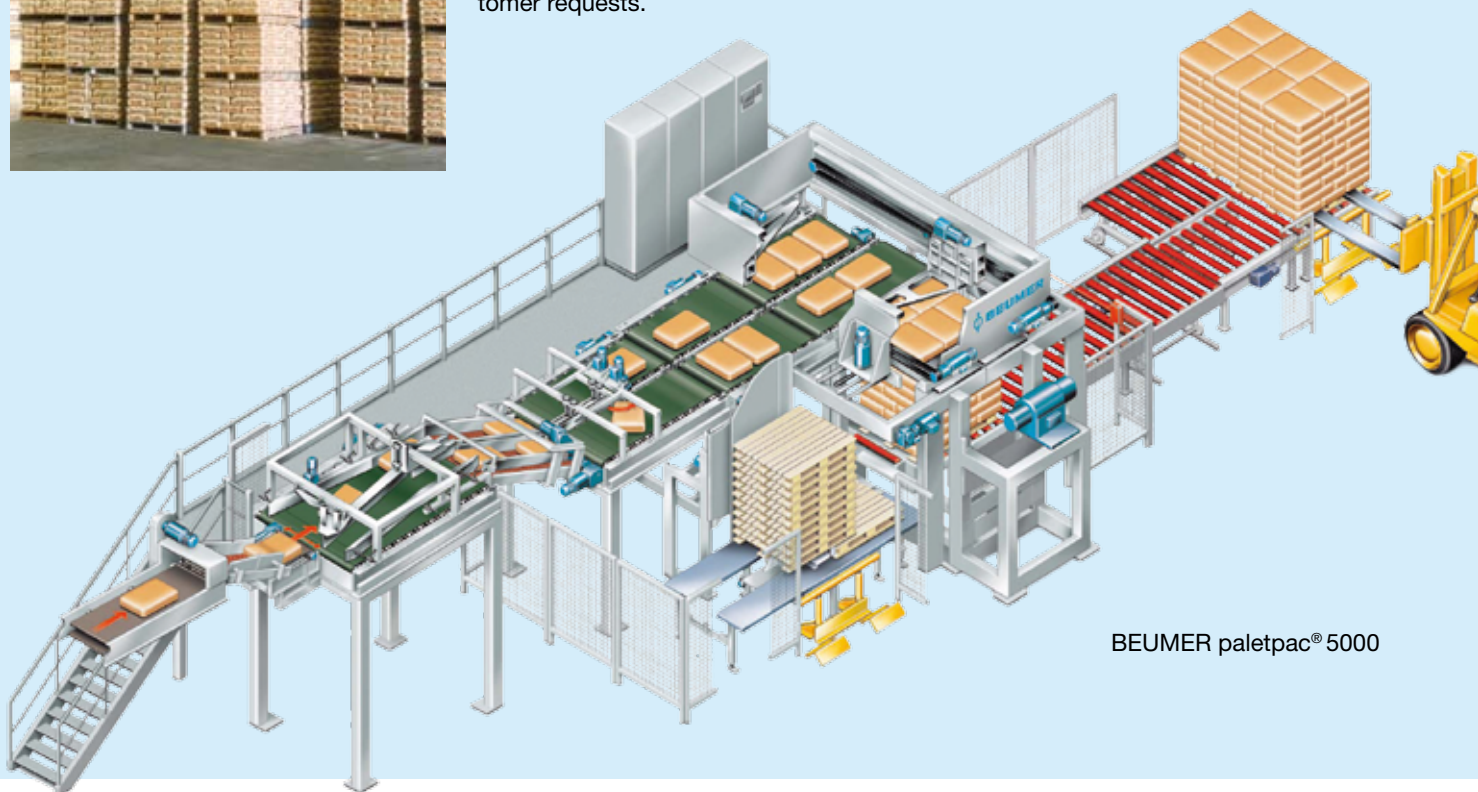
Product-specific properties and individual customer requirements are essential reasons behind the constant and ongoing development of the BEUMER paletpac® System. At the same time, the focus is also on differentiating features such as palletizer performance, the various drive train components as well as the use of bar or clamp turning devices. The latest sensing technologies, optimum electronic control systems and simple oper-



Bond	4x	5x	6x	7x	7x	8x	8x	10x	10x
Packing pattern									
Bag length (mm)	600	600	600	600	400	500	450	450	400
Bag width (mm)	400	400	300	300	300	330	300	300	300
max. bag height (mm)	180	180	170	170	150	150	150	150	150
Layer dimensions (mm)	1200 x 800	1200 x 1000	1200 x 900	1200 x 900	1200 x 700	1160 x 1000	1200 x 900	1200 x 900	1200 x 1000
Performance (bags/h)	2800	4000	3600	4000	4000	4000	5000	5000	5000



ation complete the picture and make the BEUMER paletpac® line the ideal palletizing system for the most demanding customer requests.



BEUMER paletpac® 5000



BEUMER robotpac®
From robot to palletizer.





We stack things in your favour.

The BEUMER robotpac® palletizes and depalletizes a wide variety of packaging units – from bags and boxed packages to cartons and trays at rates of up to 900 units per hour, depending on the version selected. The geometrical precision and stability of the palletized stacks ensure problem-free storage and guarantee secure integration into serially connected packaging systems.

Thanks to the integration of advanced control elements in the BEUMER robotpac® system, it is also possible to palletize assorted sizes and forms of unit loads – this is the BEUMER way of order picking.



Upgrade whenever you need.

Depending on their size and type, more packaging units can be lifted and moved simultaneously to increase the palletizing performance.

The specially designed lifting modules, such as fork grippers, suction grippers, pallet grippers, tool changers, etc. can be exchanged at any time. For example, the additional installation of a pallet gripper module makes automatic empty pallet feed possible without the need for a separate empty pallet stacker. With the appropriate module installed, the BEUMER robotpac® can also be employed as an automatic depalletizer.

The control functions of the BEUMER robotpac® are performed by a 4-axis continuous path control system, and is characterised by its outstanding ease of operation and its adaptability to changing situations in use. Complex procedures with varying basic parameters are reliably and efficiently absolved.



Flexibility is our strong point.

The flexibility of the BEUMER robotpac® makes it ideal for every palletizing task. The hard-wearing, tried and tested machine components in combination with electro-mechanical power transmission guarantee secure operations.

In combination with the BEUMER packaging technology, the BEUMER robotpac® also offers all-round solutions to meet any requirements of the despatch departments of the building, chemical, foodstuffs and animal feed industries.



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
- Exchange of experience
- Qualification of the maintenance team
- Continuous product optimisation
- Optimum spares stocking

Fault correction / BEUMER Hotline.

- Qualified worldwide support at short notice
- Online fault correction
- Worldwide availability of service engineers
- Short-notice deployment option
- Rapid action on the ground service

Technical consulting.

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

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

Maintenance and repairs.

- Personnel specifically qualified for your equipment
- Basis for extreme operational reliability
- Qualification of your personnel in the context of maintenance





We know the way. Worldwide.

As one of the international leaders in the manufacture of intralogistics for the conveying, loading, palletizing, packaging, sorting and distribution 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. 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 around 900 people, an annual turnover of 150 million EUR, our own subsidiaries and holding companies on 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.

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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technology in motion

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BEUMER reserves the right to make modifications that serve technical progress.