



BEUMER
technology in motion



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

BEUMER robotpac®

**The precise way to maximum performance.
Efficient and safe.**





Advantages of robotic palletising:

- Flexible
- Space-efficient compact design
- Highly adaptable for a wide range of tasks

BEUMER robotpac®
Sophisticated system
solutions, individually adapted.

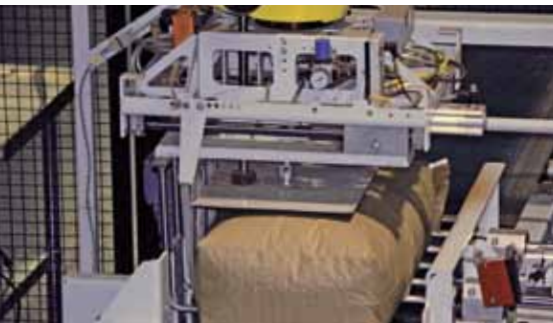




Impressive expertise: top-class-leading performance even for small volumes.

For decades BEUMER has been designing and developing innovative layer and robotic palletising systems for a wide range of products, often in collaboration with leading manufacturers in a variety of industries. Whether used for building materials, granulates or powdery products for the chemical industry, grains, food and feed products, or for order-picking tasks and distribution centres, the BEUMER robotpac® range is characterised by unrivalled stacking quality, gentle product handling and extreme reliability.

Specially designed gripper elements allow a wide variety of packaged goods, from bags, cartons and trays to corrugated boxes, crates and canisters, to be palletised and depalletised. Depending on the application, up to 1,900 units per hour can be processed.

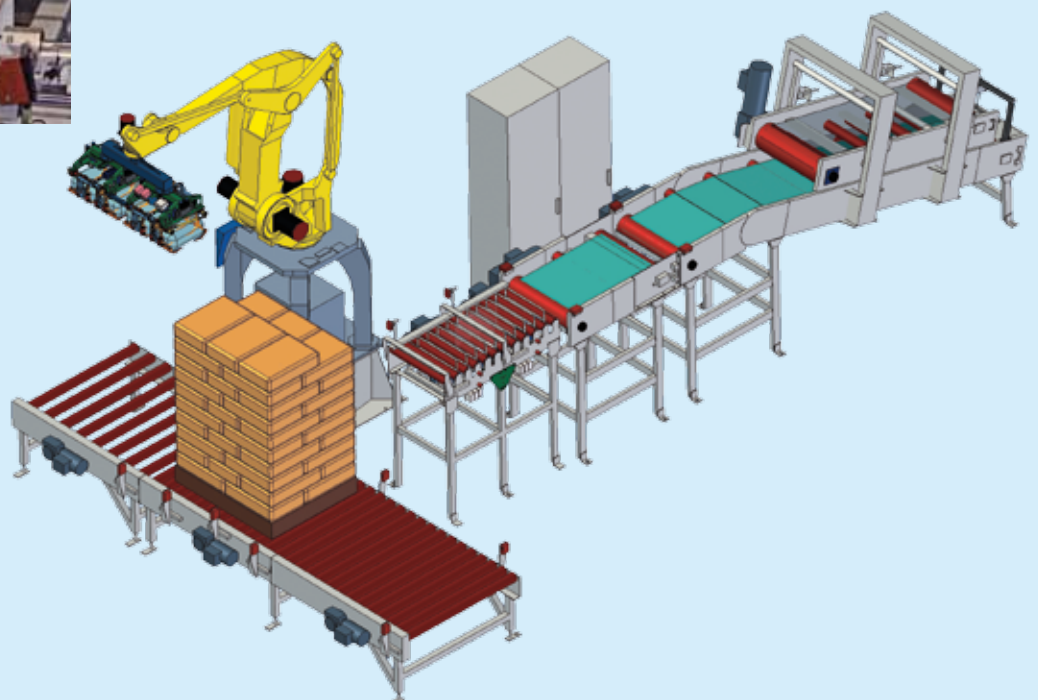


More cost-effective: everything from a single source.

Application-specific challenges require application-specific solutions and comprehensive after-sales support. BEUMER can offer you complete system solutions tailored to your individual needs.

The precision and stability of the palletised stacks facilitate seamless integration with downstream packaging processes, ensuring trouble-free storage and transportation.

Competent BEUMER engineering, fast and reliable on-the-spot service and spares support round off our portfolio and ensure outstanding operational availability of your BEUMER system.





Our list of reference plants makes for impressive reading.

Customer/palletised goods/packaging

- Adolf Würth GmbH & Co. KG, Künzelsau, Germany (assembly materials/cardboard boxes)
- Knauf Gips S.C.S., Engis, Belgium (plaster/paper valve bags)
- Bayer AG, Dormagen, Germany (TPU granulate/PE bags)
- Barry Callebaut, Eddystone, Pennsylvania, USA (cocoa/paper bags)
- Brillux GmbH & Co. KG, Münster, Germany (paint/buckets)
- CECA S.A., Ribecourt, France (hot melt/paper bags)

BEUMER robotpac®
Flexible systems, straight-forward handling.

- Ionian Kalk S.A., Argostoli (Kefalonia), Greece (calcium carbonate/paper valve bags)
- ADM Cocoa B.V. Koog Aan De Zaan, Netherlands (cocoa powder/paper bags)
- DSM Resins B.V., AN Schoonebeek, Netherlands (synthetic resin flakes/PE block bags)
- Kisuma Chemicals B.V., Veendam, Netherlands (Mg compound/paper bags)
- Henkel Polska Sp.zo.o., Stobno, Poland (mortar/paper valve bags)
- Surint Omya Chemicals Bangkok, Thailand (calcium carbonate/paper valve bags)
- Dubai Aluminium Company, Dubai, UAE (aluminium fluoride/paper valve bags)
- A. Schulmann GmbH, Kerpen, Germany (granulate/FFS, plastic bags)
- Helmut Brüninghaus GmbH & Co. KG, Versmold, Germany (crown corks / cardboard boxes)
- Strojmontasch MC, OOO, Moscow, Russia (dry mortar/paper valve bag)





Flexibility is our strength.

Thanks to its flexibility, the BEUMER robotpac® can master any palletising task. The durable, tried-and-tested BEUMER robotpac® ensures reliable performance, even under extreme conditions.

Get a grip – whatever your needs – with BEUMER robotpac®.

To enhance palletising performance, several packages of the right sizes and shapes can be picked up and moved simultaneously. The load-bearing modules designed for various packages, such as fork grippers, finger grippers, suction grippers and clamp-style grippers, can be switched at any time using the tool changer.

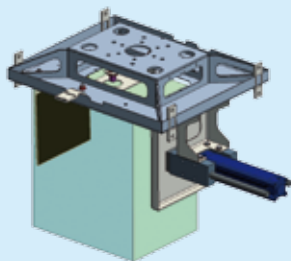
For instance, the additional installation of a pallet-gripper module allows for automatic introduction of empty pallets without the need for an additional empty-pallet stacker.

With the right gripper module, the BEUMER robotpac® can also be used as an automatic depalletiser.

Impressive cutting-edge technology.

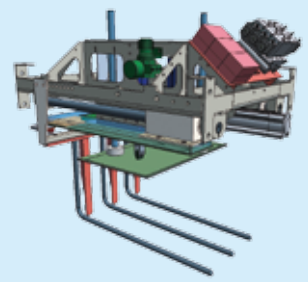
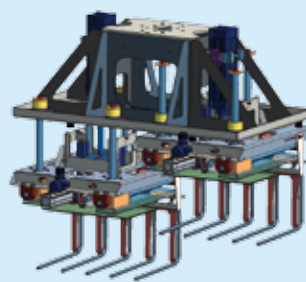
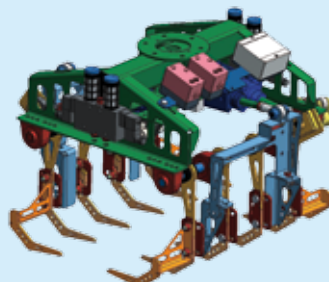
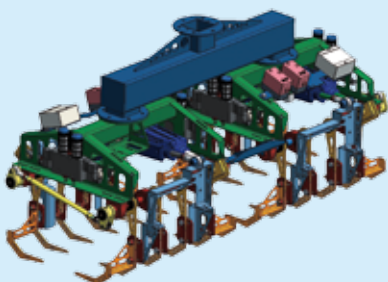
The BEUMER robotpac® is controlled via a four-axe rail control system and offers impressively user-friendly operation as well as flexible adjustment to changing conditions of use.

Thanks to its multi-program, the BEUMER robotpac® can easily be adjusted to cater to size or material changes for all package types, either at the press of a button or fully automatically via barcode recognition. This allows complex sequences with varying parameters to be handled reliably and cost-effectively.



Overview of gripper types			
Gripper	Packaging	Performance*	Special features
Fork grippers	Bags, cardboard boxes	600 bags/hour	Gentle product handling, precise stowage
Double-fork grippers	Bags, cardboard boxes	900 bags/hour	High performance, e.g. two bags per pass
Finger grippers	Bags	1,200 bags/hour	High-performance tool for sturdy bags
Double-finger grippers	Bags	1,900 bags/hour	Maximum pallet performance for sturdy bags
Clamp-style grippers	Cardboard boxes	600 boxes/hour	For sturdy packages with parallel side walls
Suction grippers	All packages with surfaces suitable for suction grippers	400 packages/hour	Gentle product palletisation for unstable packages
Special grippers	Adapted to individual requirements	–	Flexible adaptation to individual requirements

* Under optimum conditions





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

Maschinenfabrik GmbH & Co. KG

PO Box 1254 · 59267 Beckum · Germany

Tel. +49 (0) 25 21 - 24 0

Fax +49 (0) 25 21 - 24 280

E-mail: BEUMER@BEUMER.com

Further information is available at

www.beumer.com

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