BEUMER
PACKAGING TECHNOLOGY
SAFE, CLEAN, PROFITABLE
The efficient and safe packaging of products is a big cross-industry challenge successfully mastered by BEUMER Group through long years of engagement and experience. Irrespective of the application, be it in chemical, building materials or food and beverage industry, BEUMER Group equipment and solutions make reliable and sustainable packaging of any product possible.
FROM PRIMARY PACKAGING...  
As a filling technology expert, BEUMER Group is a dependable partner when it comes to bagging various pourable and free-flowing, fine-grain and coarse-grain products in a reliable, economical and efficient manner. An entire series of innovative filling systems is best proof of our expertise:

- Air rotary filling machines  
  BEUMER fillpac® RM  
- Air inline filling machines  
  BEUMER fillpac® IM  
- Turbine rotary filling machines  
  BEUMER fillpac® RC/RM  
- Turbine inline filling machines  
  BEUMER fillpac® IC/IM

...TO SECONDARY PACKAGING  
Films help to protect palletised goods from inclement weather, tampering and incidents. Each of the numerous film packaging technologies has its advantages and is particularly suited for certain applications. That’s why BEUMER Group offers comprehensive solutions for all common packaging methods:

- BEUMER stretch hood® with a patented stretch hooping technology  
- BEUMER paketpac® for palletless stretching  
- BEUMER stretchpac® with a field-proven stretch wrapping technology  
- BEUMER combipac® with a tried and tested shrink hooping technology

HIGHLIGHTS

- Primary packaging for the building materials, cement, mineral and chemical industry  
  - Low investment costs  
  - High parts availability  
  - Low maintenance

- Secondary packaging for all industries  
  - High flexibility of handling various product sizes  
  - High throughput  
  - Weather and intrusion protection  
  - Ease of handling
The BEUMER fillpac® series offers filling systems for any requirements – perfectly adapted to the flow behaviour and the grain size of the products. They are used for reliable, gentle and sustainable bagging of building materials, cement, minerals and chemicals.

TAKING THE RIGHT TURN
The turbine rotary filling machines BEUMER fillpac® R and turbine inline filling machines BEUMER fillpac® I are best suited for free-flowing, fine-grained products such as cement or various gypsum types. Their motorised impellers ensure a particularly high filling pressure and thus optimum compaction of the fine-grained materials is achieved.

POWERFUL AND MULTI-TALENTED
The air rotary filling machine BEUMER fillpac® R and the air inline filling machine BEUMER fillpac® I are ideal for the bagging of coarse-grain products with a particle size of up to 10 mm. The machines use blowers for particularly gentle conveying of various products into bags.

REFERENCES
› Mortar
  2-spout air inline filling machine for Sakret Zeipekkis Ltd., Cyprus

› Gypsum
  6-spout air rotary filling machine for quick-mix Gruppe GmbH & Co. KG, Griesheim, Germany

› Fish meal
  3-spout air inline filling machine for Weserport GmbH, Bremervörde, Germany

› Cement
  8(4)-spout turbine rotary filling machine for Hacem Kft., Hungary
BEUMER TURBINE FILLING TECHNOLOGY

**BEUMER fillpac® R**
With up to 20 filling modules and a compact rotor design, the BEUMER fillpac® R can fill up to 300 tons of free-flowing materials per hour into diverse bag types. The bag weight adjustment, which automatically adjusts the weight of the next bag, always ensures precise filling results.

**BEUMER fillpac® I**
The BEUMER turbine filling machines are also offered with inline design. Here, the filling modules are placed next to each other for ready access and minimum space requirement, which makes them extremely easy to maintain. BEUMER inline packers are particularly efficient in production environments with a respective product throughput.

**Bag placer**
The innovative concept of the bag placer, which also enables dependable filling of woven PP bags, positions BEUMER Group among the leading manufacturers of fully automatic filling equipment.

BEUMER AIR FILLING TECHNOLOGY

**BEUMER fillpac® R**
The BEUMER Group’s air rotary packers are manufactured with four to eight filling modules arranged in a circle – in this way, depending on the number of filling spouts, they can reach maximum capacities of 1,200 to 3,600 bags per hour for 25-kilo bags. The electronic filling control guarantees maximum weight precision.

**BEUMER fillpac® I**
The air inline packers are generally equipped with one to four filling modules. Depending on the number of filling spouts, which are positioned next to each other for easy maintenance, the system can achieve a capacity of 300 bags per hour and per module, totalling 1,200 bags per hour for a 4-spout air inline filling machine.

**Bag placer for up to four spouts**
The bag placer has a capacity of 300 to 1,400 bags per hour. The filling process starts automatically after an empty bag is positioned on the spout.
The BEUMER stretch hood® series is an innovative packaging system for securing palletised load units with stretch hoods. State-of-the-art control technology, customisable configuration and a flexible set of functions ensure that the system can be perfectly incorporated into any environment.

FLEXIBLE AND POWERFUL
Depending on the model, the BEUMER stretch hood systems process up to 150 pallets per hour, with film thickness between 40 and 200 micrometres and a package height of up to 2.8 metres – average energy consumption being under 0.05 kilowatt hours per pallet. Thanks to waterproof films and skilful exploitation of vertical and horizontal tension forces, the BEUMER stretch hood® ensures perfect transport protection for a great range of products.

SUSTAINABLE PRODUCT SAFETY
Systems from the BEUMER stretch hood® series guarantee maximum load stability with minimal film consumption and master high throughput rates as well as changing product sizes. Due to the heat-free packaging method, the BEUMER system uses very little power and the risk of fire is considerably reduced. Lower material and energy consumption as well as support of recyclable films benefit both your budget and the environment.
EXEMPLARY RESULTS FOR AN ENDURING IMPRESSION
As far as economic efficiency and dependability go, the BEUMER stretch hood® is practically unrivalled. The high-quality final packaging minimises the risk of returns and ensures an excellent display of the packaged goods. Particularly in the consumer goods market, aspects such as gentle handling and good visibility of product play an important role – and BEUMER Group recognises the significant need to deliver product at its highest value state.

HIGHLIGHTS OF BEUMER STRETCH HOOD® SERIES
- High load stability
- Excellent display of the packaged goods
- Weather and intrusion protection
- Minimal energy and film consumption
- Powerful performance due to optimised work sequences
- Fully automatic pallet and package detection
- Automatic ultrasound calculation of film length
- Quick assembly thanks to pluggable connections
- Durable frame and robust drive elements
**Intrusion Protection**

Whether at the point of sale or during outdoor storage, your high-quality products are safe with the well-tested stretch hooding technology developed by BEUMER Group. The robust packaging protects the palletised goods against unauthorised access along the distribution chain.

**Weather Protection**

Providing goods with adequate protection from environmental influences is the main task of packaging systems. The waterproof, resilient film and the high stability of the packaged pallet load allow for excellent outdoor storage opportunities.

**Load Stability**

Product safety and working safety are also central aspects in end-of-line packaging. Thanks to the BEUMER stretch hood®, the packaged goods are optimally prepared for transport from the producer to the customer. This is guaranteed by the perfect film fit, robust packaging material and stabilising biaxial stretching with a formed understretch, high-rack stretch or sleeve stretch.
SUSTAINABILITY
All systems have been engineered for a positive environmental balance – that means less energy and material consumption. The BEUMER stretch hood® does not employ thermal energy for the preparation and follow-up processing of the film. Only one layer of the highly elastic film is used, with its quantity and strength exactly measured out as needed. Additionally, robust mechanical machine actuators increase the longevity of the system. Optimised mechanical and hydraulic elements help reduce the emission values and provide a comfortable working environment.

DISPLAY EFFECT
The BEUMER stretch hood® series assists manufacturers in keeping an attractive display of their products. The tear-proof, impact-resistant, wrinkle-free film packaging allows for superior brand display and prominent logo placement, thus leaving a lasting and positive impression on your customers.

EASY HANDLING
Innovative technology – easy to operate, maintain and install. The cutting-edge BEUMER system automatically recognises pallet sizes and selects the film format true to size. Thanks to the easy-to-use touch panel, the system is simple to operate. Videos explain technical operations and optimise the work in the everyday working environment.
SPECIFICATIONS AND REFERENCES

BEUMER STRETCH HOOD®
IN DAILY USAGE

BEUMER STRETCH HOOD® i
- Capacity: 115 pallets/h at 0.02 kWh
- Minimum package size: 500 x 500 mm
- Maximum package size: 1,320 x 1,320 mm

BEUMER STRETCH HOOD® G
- Capacity: 120 pallets/h at 0.05 kWh
- Minimum package size: 700 x 700 mm
- Maximum package size: 2,500 x 1,250 mm

BEUMER STRETCH HOOD® M
- Capacity: 120 pallets/h at 0.04 kWh
- Minimum package size: 700 x 700 mm
- Maximum package size: 1,450 x 1,250 mm

BEUMER STRETCH HOOD® S
- Capacity: 110 pallets/h at 0.04 kWh
- Minimum package size: 1,200 x 800 mm
- Maximum package size: 1,300 x 1,110 mm

BEUMER STRETCH HOOD® W
- Capacity: 135 pallets/h at 0.04 kWh
- Minimum package size: 500 x 500 mm
- Maximum package size: 1,000 x 1,000 mm

REFERENCES
- BEUMER stretch hood® i
  LMCL Lafarge (Mauritius) Cement Ltd, Port Louis, Mauritius
  Product: cement

- BEUMER stretch hood® G
  James Hardie Building Products, Inc., USA
  Product: insulants

- BEUMER stretch hood® M
  August Lücking GmbH & Co. KG, Paderborn, Germany
  Product: building materials

- BEUMER stretch hood® S
  Vinnolit GmbH & Co. KG, Ismaning, Germany
  Product: PVC products

- BEUMER stretch hood® W
  UP Gefest-Technika, Brest, Belarus
  Product: domestic appliances
BEUMER Group also offers completely palletless packaging solutions, thus delivering an unparalleled eco-balance. The BEUMER paketpac® not only improves the ecological and economical packaging aspects but also provides efficient transport packaging of goods in regions lacking natural resources (such as wood).

ECOLOGICALLY AND ECONOMICALLY VALUABLE
Transport packaging solutions that have eliminated a pallet carrier can be both cost-effective and environmentally friendly. BEUMER Group offers two packaging options for the BEUMER paketpac®: either the film-saving shrink technology or the innovative stretching technology. The superb stack quality is another strong argument in favour of the system. The reduced weight and dimensions of the packages facilitate the loading and lower the storage and transportation costs.

HIGHLIGHTS OF BEUMER PAKETPAC® SERIES
› Superior eco-balance and product purity
› Thorough weather protection
› Less on-site storage required
› Fewer working steps, higher reliability
› Use of recyclable materials

Products can be efficiently transported and stored with the innovative palletless film packaging by BEUMER paketpac®.
The stretch wrapping technology is a classic among pallet packaging methods. BEUMER stretchpac® offers proven technology, stable performance and reliable service.

**WELL-TESTED AND DEPENDABLE**
The well-known stretch wrapping technology is a sensible packaging solution for low production volumes. The BEUMER stretchpac® ensures transport safety and weather protection and can be easily integrated into all BEUMER palletising systems.

**FILM PACKAGING AT THE PUSH OF A BUTTON**
A fully automatic stretch wrapper, the BEUMER stretchpac® is particularly easy to handle. The intelligent control technology independently determines where to apply and cut the film, when to stop the system for film roll replacement, how to adapt the dimensions after scanning the pallet height and so on. In this way, you get first-rate results with minimum effort.

**HIGHLIGHTS OF BEUMER STRETCHPAC® SERIES**
- Automatic height measurement and adjustment
- Additional protection by means of top sheet
- Cost-effective packaging
- Proven technology, simple maintenance
OUTER PACKAGING WITH THE BEUMER COMBIPACK®
SAFE SHRINKING TECHNOLOGY

All types of packaged goods can be effectively protected by a shrink hood.

Shrink hoods have been used in pallet packaging for over 50 years – economical, uncomplicated, efficient.

COST-CONSCIOUS SHRINKING
BEUMER Group’s portfolio features a high-capacity shrink hooding system, BEUMER combipac®. This economical and environmentally friendly model achieves a throughput of up to 100 load units per hour. The heat needed for the film shrinking process is generated either electrically (BEUMER combipac® E) or with gas (BEUMER combipac® G). In both model variants, the heating elements are constantly monitored to ensure security in full compliance with the CE directive.

The especially high stability of the packaging means that the ready-packed pallets can be handled with ease.

HIGHLIGHTS OF BEUMER COMBIPAC® SERIES
› Effective weather protection
› Clearly visible products and easily readable barcodes
› Easy film guiding
› Controlled film handling
› Film and product do not stick together
› Safe, controlled heating elements
› Recyclable film material
BEUMER Group is known worldwide for its individually tailored customer support. This is based on a global network of regional service centres. Our support solutions will keep your systems operating – 24 hours a day, 365 days a year.

BEUMER GROUP – EVERYTHING FROM ONE SINGLE SOURCE

We also act as the main contractor on behalf of our customers providing comprehensive, highly customised concepts from product filling to palletising and packaging.

Competent engineering, fast and reliable on-site service as well as optimal spare parts supply round out our offering and ensure high reliability of the systems.
At BEUMER Group, the focus is always on people. We build strong partnerships through personal relationships and individual attention.

CUSTOMER CARE
Our customer care programme entitles you to multiple service options, such as maintenance and repair on site through our field service engineers or regular safety checks according to statutory rights. If hardware replacements are needed, our comprehensive warranty service ensures you are always covered.

MODERNISATION
We are constantly developing new ways to upgrade our software and hardware to extend a system’s lifetime, lower energy costs and increase efficiency. We will keep you informed of all relevant upgrade opportunities, based on an understanding of your business and system needs.

TRAINING AND QUALIFICATION
We offer standard and tailored customer training programmes to make sure your teams are fully qualified to operate your systems. With hands-on guidance, conducted either on-site or at BEUMER Group locations, your teams can maintain optimal operational performance.

PARTS LOGISTICS
We guarantee spare part replacements around the world through our local companies. As a BEUMER Group customer, you will have your own individual contact to assist you with technical inquiries, warranty issues or repair orders and to secure that your order is delivered on time.

HOTLINE SUPPORT
Our hotline support is manned 24/7 by highly trained, multi-skilled engineers who all have at least four years of direct field experience. Most cases are solved remotely, however, should the problem require more specialised attention, a BEUMER engineer will be quickly sent out.

RESIDENTIAL SERVICE
With our residential service, we are on-site every day to take complete responsibility for your system uptime, performance and operational efficiency. We can take care of all maintenance and management, including system improvements, contingency plans, specialist advice and repairs.
Products and technologies carrying BEUMER’s “made different” seal are characterised by their sustainability based on their economic, environmental and social performance as measured by the BEUMER Sustainability Index (BSI).