

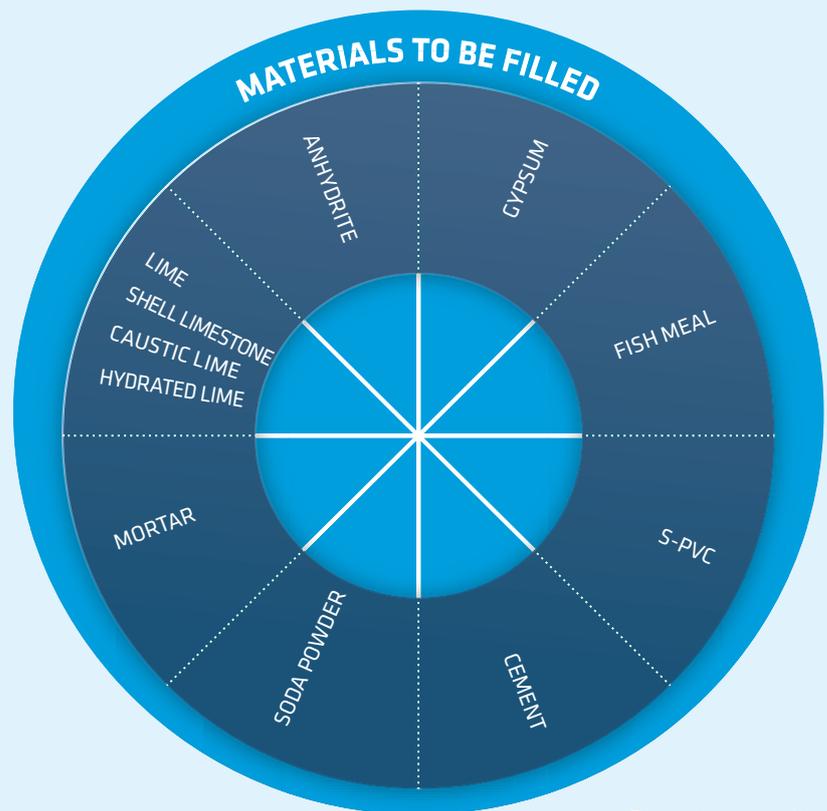


FILLING TECHNOLOGY FROM THE EXPERTS SAFE, CLEAN, STRONG



POWERFUL FILLING TECHNOLOGY ON A NEW SCALE

As an expert in filling technology, the BEUMER Group is the reliable partner you need. In the chemicals industry or for building materials: BEUMER systems fill reliably, carefully and sustainably and prepare fillable products from all industries for bagging. Processes that work perfectly together guarantee powerful performance at all times. The BEUMER Group stands for accurate engineering – driven by visions, realised with precision.



The current range covered by BEUMER filling systems

UNPARALLELED FLEXIBILITY: BEUMER FILLING SYSTEMS

The BEUMER Group offers filling systems for all sorts of different requirements: Depending on the bulk weight, flow behaviour and grain distribution of the products, we supply customers worldwide with an individually tailored filling system for maximum throughput. Low purchase costs, a high rate of parts availability and ease of maintenance ensure optimum efficiency and an excellent performance for almost all materials in the building, cement, minerals and chemicals industries.

IN USE THROUGHOUT THE WORLD

Reliable and flexible: Our filling systems carry out their work reliably in a wide range of industries, environments and configurations. Here is a list of selected references:

› Mortar

- 6-spout air rotary packer with discharge conveyor for Korodur Westphal Hartbeton GmbH & Co., Bochum, Germany
- 2-spout air inline packer for Sakret Zeipekkis Ltd., Cyprus
- 8-spout air rotary packer with automatic tipper height adjustment and bag outfeed belt for Baumit Sp. z o.o., Poland

› Plaster

- 2-spout turbine inline packer for Knauf Engineering GmbH, Egypt
- 2-spout turbine inline packer with ultrasound heat sealing, bag outfeed belt and rising belt for BT-Wolfgang Binder GmbH, Austria

› Fish meal

- 3-spout air inline packer for Schomaker Engineering GmbH, Bremervörde, Germany

› Cement

- 8(4)-spout turbine rotary packer for Hacem Kft., Hungary
- 4-spout turbine rotary packer with bag outfeed belt for Heidelberg Cement GmbH & Co. KG, Ennigerloh, Germany

POWERFUL AND MULTITALENTED BEUMER AIR PACKERS



Filling spout



BEUMER fillpac RM 6, 6-spout air rotary packer

Filling systems with blowers are ideal for the bagging of free-flowing, coarse-grain products with a particle size of up to 10 mm. The various air packers made by the BEUMER Group are particularly efficient and economical. Air packers use a blower to fluidise the materials to be packed. In this way, the products can then be conveyed particularly gently and precisely into bags.

BEUMER FILLPAC RM

The BEUMER Group's air rotary packers are manufactured with four to twelve filling modules arranged in a circle – in this way, depending on the number of filling spouts, they can reach maximum capacities of between 1,200 and 3,600 bags per hour for bags weighing 25-kg. The electronic filling control guarantees maximum weight precision in accordance with the German calibration legislation and international guidelines.

An optional fully automatic empty bag placer with automatic bag format changeover improves capacity even more and allows the machines to be used to the full at all times.

HIGHLIGHTS OF AIR ROTARY PACKERS

- › Number of modules: 4 to 12
- › Capacity: between 1,200 (4 modules) and 3,600 (12 modules) bags/hours
- › Bag placer capacity: up to 3,600 bags/hour



BEUMER fillpac IM 3, 3-spout air inline packer



Bag placer for two spouts

BEUMER FILLPAC IM

The BEUMER Group's air inline packers are generally equipped with one to four filler modules. Depending on the number of filler spouts, which are positioned next to each other for easy maintenance, the system can achieve a capacity of between 300 and 1,200 25-kg bags an hour. The filling precision is also guaranteed electronically in line with the current laws and guidelines, whilst an optional automatic bag placer improves system performance and utilisation even further.

Filling is either carried out automatically when an empty bag is positioned, or at the press of a button. For bag removal when filling is completed, two configurations are available: manual or automatic with vertical bag ejection onto a conveyor belt.

HIGHLIGHTS OF AIR INLINE PACKERS

- › Number of modules: 1 to 4
- › Capacity: between 300 (1 module) and 1,200 (4 modules) bags/hour
- › Bag placer capacity: between 300 and 1,400 bags/hour

THEY'VE GOT THE HANG OF IT. BEUMER TURBINE PACKERS



An innovative filling system: BEUMER fillpac RC 12



Bag placer



Filling spout

Filling using the turbine process is most suitable for free-flowing, fine-grained products such as cement, limestone or various types of gypsum. The solutions offered by the BEUMER Group are characterised by high capacity combined with low costs. In the BEUMER turbine filling systems, motorised impellers are used. These are affixed horizontally or vertically and ensure a particularly high filling pressure and thus optimum compaction of the fine-grained materials to be packed. The filled bags are compact and retain their shape, and thus need no additional venting.

BEUMER FILLPAC RC

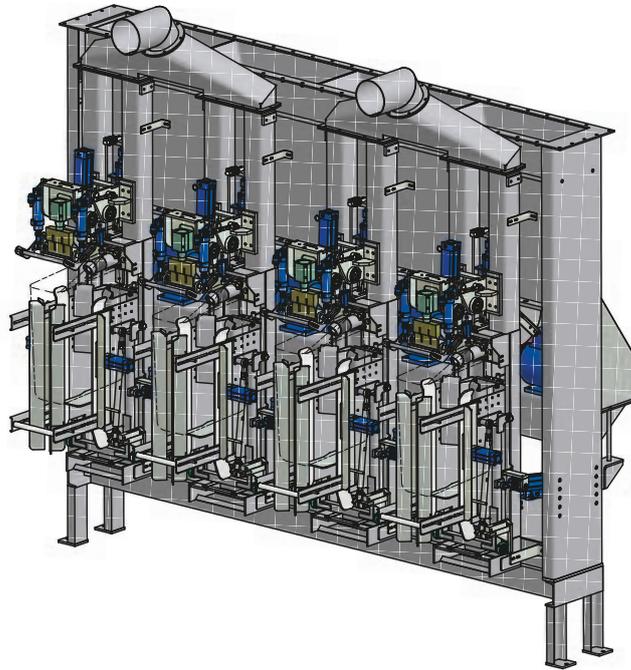
Fitted with up to 20 modules, the BEUMER fillpac R fills up to 300 tonnes of fine-grained materials per hour into various types of bag. With its innovatively designed bag placer which also reliably prepares HDPE bags for filling, the BEUMER Group is currently the leader in the field of fully automated filling technology. Technically, the system is characterised by its compact rotor design; despite this, the filling turbine allows rapid bag filling and maximum material throughput. The bag weight adjustment, which automatically adjusts the weight of the next bag, always ensures precise results.

The vertically mounted filling spout is opened and closed outside the dirt area, which means that the three-way locking cylinder is protected from dust, thus minimising wear and improving its working

life. To further lower maintenance costs, the engineers in our development department have also positioned the cylinder for bag ejection in a dust-free space.

HIGHLIGHTS OF THE TURBINE ROTARY PACKERS

- › Number of modules:
up to 20
- › Capacity:
up to 300 tonnes/hour
- › Capacity of bag placer:
between 300 and, 3,600 bags/hour
- › Types of bag:
 - Paper valve bags up to 25 kg
 - Paper valve bags up to 50 kg
 - Woven and heat-sealed HDPE bags (Starlinger bags) up to 50 kg



BEUMER fillpac IC 3, 3-spout turbine inline packer

MAXIMUM USER-FRIENDLINESS

Both operation using the ergonomic control panel and the repair and maintenance of the BEUMER fillpac RC are wonderfully convenient and customer-optimised due to the easy access and free availability of all components in the market. So not only the investment costs but also the follow-on costs are far lower than they would be for other systems of this type.

BEUMER FILLPAC IC

For turbine packers too, the BEUMER Group offers inline variants. 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 low product throughput.

HIGHLIGHTS OF TURBINE INLINE PACKERS

- › Number of modules: 1 to 4
- › Capacity: between 300 (1 module) and 1,200 (4 modules) bags/hour
- › Bag placer capacity: between 300 and 1,400 bags/hour

SIMPLY WORLD-CLASS CUSTOMER SUPPORT FROM BEUMER

The BEUMER Group is famous 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.

SUPERB CUSTOMER SUPPORT

Our global network of service centres offers comprehensive support packages including lifecycle management programmes to ensure the maximum efficiency of your system throughout its working life.

Our long-standing partnerships are based on the combination of expertise, technology and personal commitment.



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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).