



BEUMER AUTOPAC[®] **STATE-OF-THE-ART LOADING** **OF BAGGED MATERIAL**

BEUMER AUTOPAC® AUTOMATED LOADING AND PALLETISING



The bar-type turning device – as seen here in a BEUMER autopac® 3000 at Saudi Cement Company, Hofuf, Saudi Arabia – arranges the bags according to the chosen pattern.



Loading a double pattern of five bags

The fully automated BEUMER autopac® efficiently handles two tasks at once: Loading and palletising of bagged material. For decades BEUMER has been a pioneer in this field with its three-dimensionally adjustable bag loading machines with telescopic heads for truck and railcar loading. So relying on BEUMER means relying on experience, innovation and the confidence of a strong partnership.

TWO IN ONE: AUTOMATED LOADING AND PALLETISING

The BEUMER autopac® is an economic and efficient system for simultaneously loading and palletising bagged material like cement, fertilisers, and other products. In order to perfectly match your facility's configuration, it is available in two different versions – BEUMER autopac® 2400 and BEUMER autopac® 3000 – capable of handling 2,400 and 3,000 bags per hour respectively, with or without pallets.

The BEUMER autopac® has a heavy-duty construction built to resist extreme ambient conditions, yet it is dimensioned for low space requirements. It convinces with its simple design, easy maintainability, maximum reliability, and operational safety. Constructed solely from electro-mechanical components, eliminating the need for hydraulic or pneumatic power stations or water-cooling, it excels with outstanding availability and efficiency – just plug and play.

LOADING PROCESSES TAILORED TO YOUR NEEDS

Supported by the operator panel, pre-adjustment of the BEUMER autopac® is performed with just a few clicks. After the operator has stipulated the desired number of rows and layers, as well as the total number of bags, the BEUMER autopac® is moved into its initial loading position. These adjustments are supported by precise ultrasonic height measurements and maximal lateral adjustability. Now open trucks can be automatically loaded with bags directly from the packer while electronic registers ensure that the truck is neither under- nor overloaded. Manual corrections are obsolete, because the machine controls the height settings automatically. Layer calibration and equalisation are performed directly on the truck. For equalisation, the machine head presses on the underlying layer to bring it into a uniform flattened shape. Meanwhile, the next layer is already being prepared.



The twin-belt turning device brings the bags in the right direction.

With layer calibration performed directly on the truck, the evenly piled bags ensure safe transport.

Depending on the bag size and aspect ratio, the machine can load bags in double patterns of five, six, and ten bags per layer. With a height to the ceiling of five metres, the maximum loading height is 3.5 metres. Gentle bag handling for various types of bag material – for example, paper and HDPE bags – is achieved through a very low positioning height. The bags are supported throughout the loading process instead of being lifted and potentially deformed, for example, by suction modules.

SUSTAINABILITY WITH BENEFITS

Following the BEUMER vision of sustainability and social responsibility, the BEUMER autopac® was developed with the total value of ownership (TVO) in mind – but that does not mean that its benefits are exclusively ecological. When packing 3,000 bags at 50 kilograms per hour, power consumption is only approximately 0.1 kWh per ton.

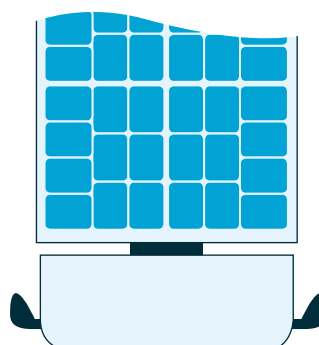
STANDARD PACKING PATTERNS

Others on request.

Double 5-bag pattern



Double 10-bag pattern



As the bags are being loaded onto the truck, a variety of packing patterns can be applied.

BEUMER AUTOPAC® HIGHLIGHTS

- Available as BEUMER autopac® 2400 or BEUMER autopac® 3000
- Automated loading and palletising of bagged material
- Gentle bag handling
- Built for rough environments
- Unmatched availability and reliability
- Easy to operate and maintain
- Flexible packing patterns
- Extremely low power consumption
- Individually customisable bag feed
- A variety of bag materials are supported, including paper valve bags, HDPE bags, and PP valve bags; others on request

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*Products and technologies carrying BEUMER's
"made different" seal are characterised by their
sustainability based on their economic, environ-
mental, and social performance as measured by
the BEUMER Sustainability Index (BSI).*