

Full Line. Full Performance.

HSB-2600 for the highest demands
for plastic granules in the petrochemical industry



We understand petrochemical packaging.

möllers
PACKAGING TECHNOLOGY GMBH

Innovative machine concept. Maximum resource efficiency.



Möllers Packaging Technology GmbH (MPT) presents the new high-speed Form-Fill-Seal system (**HSB-2600**) for plastic granules with a fill weight from 5 to 50 kg. It offers a unique system concept to maximise resource efficiency while keeping the production quality at the maximum for up to 2,600 bags per hour. The **HSB-2600** produces space-saving and material-saving bags. Corner welding is utilised to create brick-shaped bags which are ideal for stacking on pallets.

More cost savings, less energy consumption

The standardised, highly efficient machine design ensures reduced working speeds, energy savings and less material consumption, while keeping the production capacity the same. This is aided considerably by the space-saving structure with the vertical arrangement of process modules and the short distance between the stations.

To put it simply, MPT has a real grasp of energy efficiency. In specific terms, this means:

- Lightweight aluminium alloy with aerospace specifications, anodised surface and Teflon coating to reduce friction and weight
- Easy-running mobile carriages mounted on ball bearings
- High-end shafts
- Needs-based self-regulating servo motors
- Energy recovery systems for all drive motors

Full Line. Full Performance.

Benchmarks for reliability, durability and maintainability

We only ever use long-lasting and top-quality materials which are less susceptible to wear. All components are consistently easy to maintain. The maintenance intervals stated are generous, which further increases machine availability. For instance, the bag grippers and conveyor units are designed for 20 million operating cycles or three years in a two-shift operation.

It's really easy for you to replace wear parts yourself, such as the fingers of the bag grippers. These are made of polyamide and are 3D printed. This makes them exceedingly light and also highly resistant to environmental influences.

Precise flow control, patented bag compaction

The precise flow control is crucial for the quality of the results of a bagging line. To ensure a constant flow from the dosing and weighing unit to the filler pipe, MPT makes use of internal double flaps with a soft-open/close feature. A fully-automated, servo-regulated metering system then guarantees the maximum production capacity and excellent filling accuracy.

The patented bag compaction system is setting benchmarks: During filling and transport of the bag, the pendulum mounted discharge belt is moved up and down by pneumatic or optional servo drive. The content is thus compacted particularly gently and effectively.

Easy to stack thanks to the K-Seal

The K-Seal technology guarantees perfectly stackable bags. The position of the corner weld is determined automatically by the control system. The desired width of the weld seam can be set manually beforehand. The weld seam is extremely stable. This is achieved by stopping the bag during outgoing transport and blowing cold air onto the seam.

A simple solution for significantly more process reliability!

At a glance: all the advantages of the HSB-2600

High production capacity with up to 2,600 bags per hour

Fill weight of 5 to 50 kg

Machine designed with efficiency in mind

High system availability, low maintenance requirement

Precise flow control

High degree of automation, easy to operate

Continuously adjustable bag length

Corner welding (K-seal) to create a stackable, four-sided bag base

Patented bag compaction system



Learn more about HSB-2600

Möllers Packaging Technology: We understand petrochemical packaging.

Möllers Packaging Technology GmbH (MPT) is a leading provider of high-availability lines for high-performance machines for the filling, palletizing and packaging of bags for bulk goods. The company specialises in the particular requirements of the petrochemical industry and many other sectors. MPT is also strongly positioned on an international stage with its subsidiary company in Singapore and representatives worldwide.

The industry services from MPT give customers a decisive competitive advantage. They can rely on the individual support and flexible services of the company. This applies in particular to the proactive and low-resource control for handling spare parts. We also offer retrofit packages which allow our customers to better utilise the potential of their existing systems.

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