



# ORBIS packing system

## Pioneer for the filling of powdery products

Founded in 1933, today we are one of the technologically leading manufacturers of packing machines for the food and animal feed industry. Our state-of-the-art packing machines for valve bags have convinced food and animal feed producers all over the world for years – as well as our TOPLINE system for open-mouth bags that we successfully launched in 2005 and have continuously developed since then.

The result: **the rotating packing system ORBIS** for the efficient hygienic filling of open mouth bags. Especially for the filling of powdery products the ORBIS system combines low-air product filling with efficient product densification and high machine outputs at the same time. This leads to clean and compact full bags with a high-quality shape.

### Bag data:

All types of open mouth bags, just as gusseted or flat bags made of paper, PE or combinations can be handled.

Bag length: 450 – 1,000 mm  
Bag width: 260 – 550 mm  
Gusset: 100 – 170 mm

### Machine output:

up to 600 bags per hour with filling weights of 10 – 25 kg (for floury products)

### Equipment and functions:

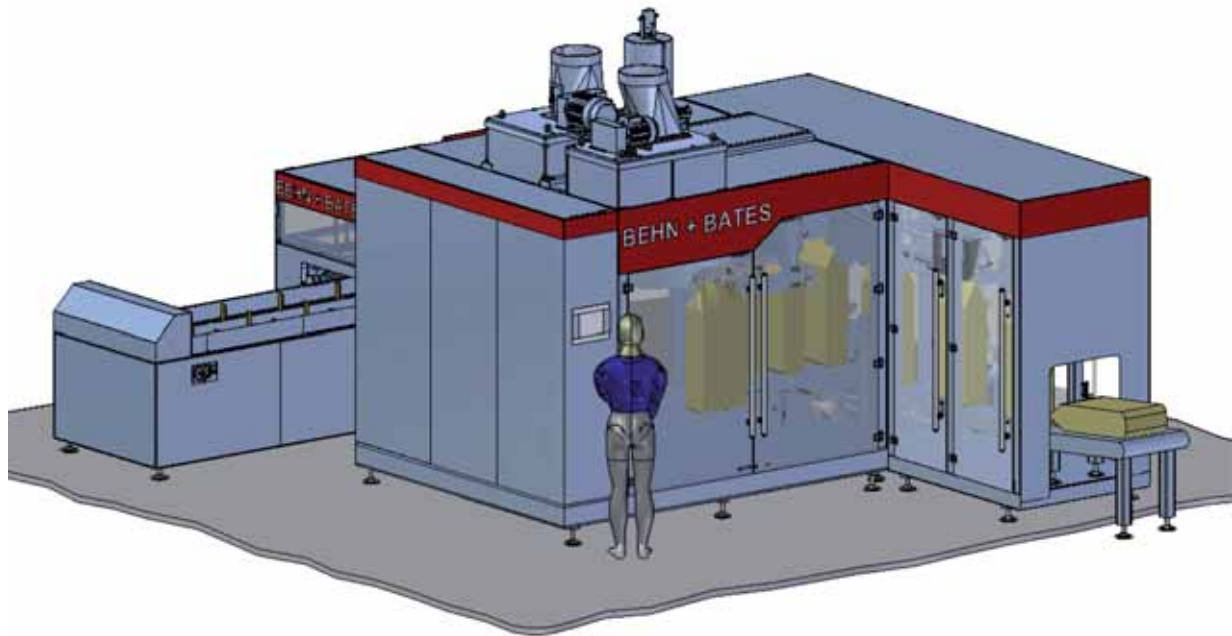
- 3, 4 or 5 filling spouts that work independently from each other carrying out each single filling step simultaneously (bag application, coarse and fine flow filling, product densification and/or bag discharge)
- positioning of empty bag magazine according to project requirements



Bags that can be filled by the ORBIS



Products that can be filled by the ORBIS



3-D view of the new BEHN + BATES packing system ORBIS

- controlled bag handling by means of a new singling station, separating the empty bag at its bottom
- low-air product filling by using dust-tight filling spouts with all-round bag clamps
- weight-accurately filled bags by independently executed coarse and fine flow filling
- good product densification by bottom vibrators in enclosed design especially for the food industry
- transfer of the full bags from the filling spout to the sealing station at same height level supported from underneath by a height-adjustable discharge conveyor belt

**... what else counts:**

- selectable full bag closing (folding, sewing, sealing, gluing or hot-melt activation or a combination)
- efficient operation by large 10,4" touch panel with weighing and evaluation technology
- easy maintenance and cleaning by large access doors made of safety glass being flush with the machine frame
- flexible installation and maintenance as well as easy access and simple transport of each machine module with its own machine frame and connecting plug
- food grade machine design with

a maximum of level and easy to clean surfaces that prevent dust from depositing

**Your benefit:**

Increase in efficiency by short cycle times and high machine outputs, especially for a clean and weight-accurate filling of powdery products into open mouth bags.

# BEHN + BATES

FILLING FOOD - CONSIDER IT BAGGED!

## Step by step to success

Your continuous and reliable support during all phases of a project – that is a fundamental part of our company philosophy. This applies also for projecting new plants and modernising existing systems as well as for assembly and commissioning, training, maintenance and spare parts supply.

**BEHN + BATES – Your reliable partner when it comes to fill food products in a clean and efficient way.**



BEHN + BATES TOPLINE – The fully automatic system for filling powdery products into open-mouth bags with filling weights from 10 up to 25 kg at rates of 200 up to 600 bags per hour.

## BEHN + BATES

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