

# A REVOLUTION IN PE FILM BAG PACKING

## THE NEW BEHN + BATES HYGIENIC CONCEPT

**Maximum hygiene: Proven equipment combined in a completely new way**

Right at the beginning there was the PE film: Hygienic experts consider PE plastic bags to be the most hygienic packing material for highly sensitive food products, as the risk of contamination during the manufacturing process has been reduced to an absolute minimum. In addition, PE bags are very tight and impermeable. However, when it comes to filling the PE bags with product, packing machines on the market today have been unable to meet very high hygiene standards. Recognizing this problem, the BEHN + BATES experts developed the idea for the new BEHN + BATES hygienic machine **ROTO-PACKER ADAMS CARE-LINE EDITION**. It features proven machine components that have been combined in a completely new system under consideration of latest hygienic aspects.



## ROTO-PACKER ADAMS **CARE-LINE** EDITION



WE TAKE CARE



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ROTO-PACKER ADAMS **CARE-LINE** EDITION



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## Our hygienic concept for your quality products:

### Maximum product protection through:

- tight PE film bags – also double-layer bags with easily strippable outer layer
- PE film bag sealing up to the outer edge to avoid areas where dust can collect
- minimized number of integrated components above the filling spout

### Maximum cleanliness through:

- completely encased components (no open threads, edges, drill holes, etc.) – most EHEDG approved
- rounded corners and inclined edges
- innovative belt conveyor without dust deposit areas
- special cable laying towards the top – outside the filling area and the hygienic area

### Maximum weight accuracy through:

- separate coarse and fine flow filling
- the use of differential weighers

### Compact bag shape through:

- corner welding for stable gussets
- extraction of excess air via vacuum probes during coarse and fine flow filling

### The machine function:

The needed bag length is cut from the single or double-layer PE film and welded up to the outer edge. Then, the pre-fabricated bag is applied onto the filling spout where it is held in a dust-tight way by clamping jaws. The turning cross turns the bag by 90° into the 1<sup>st</sup> filling position (coarse flow) and afterwards by another 90° into the 2<sup>nd</sup> filling position (fine flow). Residual air is vacuumed out of the bag by vacuum probes during coarse and fine filling. At the same time, the product within the bags is compacted by bag vibrators. Before the filled bag is welded tight up to the outer edge, the residual head air is removed. Afterwards, the compactly filled and tightly welded bag is smoothly transported out of the machine towards the palletizing system.

- additional product densification by vibrators during coarse and fine flow filling
- head air suction before bag sealing

### Simple operation through:

- clear and large touch panel
- optional service pad for remote maintenance and fast operational assistance via video conference
- open and accessible machine configuration for fast cleaning and maintenance

### Environmental sustainability through:

- reduced packing material needs due to tailor-made and adjustable bag sizes with minimum welding seam overlaps
- application of bio-degradable and renewable plastics
- simple waste separation without paper residues

### Machine capacity of the 1<sup>st</sup> machine generation:

- up to 300 bags per hour with double-layer bags
- up to 400 bags per hour with single-layer bags

- Encased components, rounded corners and inlined edges for reduced dust areas

- Bag seam welded up to the outer edge for maximum cleanliness

- Inflatable sealing for clean filling
- Minimized number of components above the filling spout

- Head air suction for compact bag shapes

- Innovative belt conveyor without dust deposit areas for maximum cleanliness

- Double-layer PE film bags with easily strippable outer layer for maximum product protection

THE FUTURE IS STARTING RIGHT NOW!  
TREAD NEW PATHS – WITH US!

