

Continuous rotating high-speed bagging carousel

OPTIMIZED SOLUTION FOR BAGGING OF FLOUR AND POWDERED PRODUCTS

Powdered products are difficult to handle – unless you decide to do it with the new CIRCUPAC: the fully automatic STATEC BINDER-bagging carousel achieves rates of up to 1,200 bags per hour. It offers:

- ❖ fully automatic bag placing, filling, positioning and closing;
- ❖ continuous rotating carousel;
- ❖ permanent compression of the product;
- ❖ extended filling time due to six filling spouts; and
- ❖ rates of up to 1,200 bags per hour.

Six filling spouts that extend the filling time, permanent compression of the product through specially designed vibrating plates and a continuous rotating carousel are the result of an unique system. All movements are controlled by one

designed singling out-grid simplifies the handling with soft bags. Once the bag magazine is empty, it turns and a second magazine goes into operation. Meanwhile the empty one can be refilled during operation.

ACCURATE BAG TRANSPORT AND POSITIONING

The bag is moved from the delivery table to the filling clamp. During this process, a film thickness measurement recognizes if two or more bags stick together and rejects them if required. Then the bag is opened by vacuum suckers and fixed on the filling spout. A pneumatic control system checks if the bag is placed correctly.

DUST-TIGHT FILLING SPOUTS AND CONTINUOUS ROTATING CAROUSEL

The bag is filled with the product while it moves to the next station. Six dust-tight filling spouts can be installed in the carousel which is

baking mixtures: all kind of powdery products can be filled with the CIRCUPAC.

ABOUT STATEC BINDER

STATEC BINDER is an internationally known specialist for customized packaging systems. The Austrian company has already successfully installed more than 1,200 machines worldwide. Whether it's plastic pellets, rice, sugar, grain, fertilizer or flour — the extensive product range offers customized solutions of the highest quality.



intelligent master servo drive-controller. The CIRCUPAC is designed for prefabricated open-mouth bags with a filling weight of 10 to 50kg.

BAGGING PROCESS

The whole bagging system is divided into individual working steps. Each step is controlled accurately before the next one is implemented — the result is an innovative process of the highest reliability and with maximum performance.

DOUBLE SCREW DOSING SYSTEM

The product is dosed by a high-performance double screw dosing system. The screws are motor driven with a frequency converter. For highest precision, a large screw does the coarse feed and a small one does the fine feed into the weigh hopper. After weighing the weigh hopper opens and the product flows through a discharge chute into the bag which is placed on the filling spout.

SPECIALLY DESIGNED BAG MAGAZINE

Vacuum suction cups pick up the bags one by one from the magazine and transport them to the delivery table. A specially

continuously turning. All movements are driven by one intelligent master servo drive-controller. If the capacity should be adjusted only one parameter has to be changed. This innovative system promises easy operation and maintenance. In order to get a compact filled bag specially designed vibrating plates compress the product constantly. Dust extraction is ensured through an internal piping system.

BAG REMOVAL AND CLOSING

At the end of the bagging process the filled bag is gripped by two gripper arms and positioned on the transport conveyor behind. From there the bag is transported into the bag closing unit. A fully automatic labelling unit can be supplemented.

RELIABLE CONCEPT

The CIRCUPAC is distinguished by a sturdy and compact design and a fully enclosed housing. Safety switches that are fixed on the doors guarantee that the machine stops when one of it is opened. The machine is CE-certified, has an ATEX-execution and all contact parts are in stainless steel. So whether it is wheat flour, rye flour, corn flour, pet or animal food, milk powder or



The bagging systems are designed for PE-, woven PP- and paper bags with a filling weight of 5 to 50kg. Big Bag-stations fill up to 150 Big Bags per hour and the palletizing systems are able to stack all types of bags and boxes. With 40 years of experience STATEC BINDER manufactures high-performance open-mouth bagging systems and is known for absolute reliability, innovation and precision.

