



STATEC BINDER

highly efficient bagging and palletizing solutions

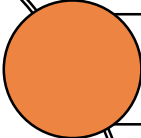
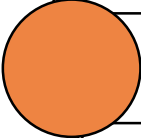
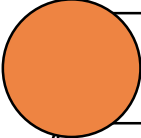
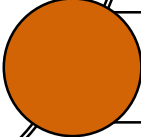


- MARKET LEADER
- HIGHEST QUALITY
- CUSTOMIZED SOLUTIONS
- 40 YEARS OF EXPERIENCE



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STATEC BINDER

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Orange: Austria / STATEC BINDER-head office

Brown: Installed STATEC BINDER-bagging and palletizing systems





HISTORY OF STATEC BINDER



- ✓ 1894: Foundation of mother company Binder+Co AG
today 100 % public company
- ✓ 1978: First company developing a
fully automatic high-speed bagging machine
for prefabricated bags
- ✓ 2008: Foundation of Joint Venture STATEC BINDER GmbH
- ✓ 2014: Establishment of SB (Thailand) Co., Ltd.
- ✓ 2017: Expansion of STATEC BINDER-head office



STATEC BINDER STANDS FOR

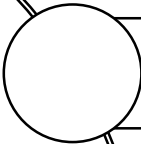
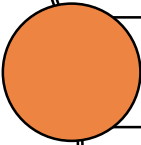
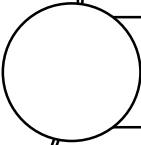
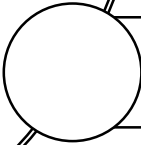


- ✓ a worldwide market-leadership
in high-performance bagging and palletizing
- ✓ high-quality product range
- ✓ flexible and customized solutions
- ✓ absolute reliability, innovation and precision
- ✓ worldwide customer service
- ✓ 40 years of experience
- ✓ more than 1.200 installed machines worldwide



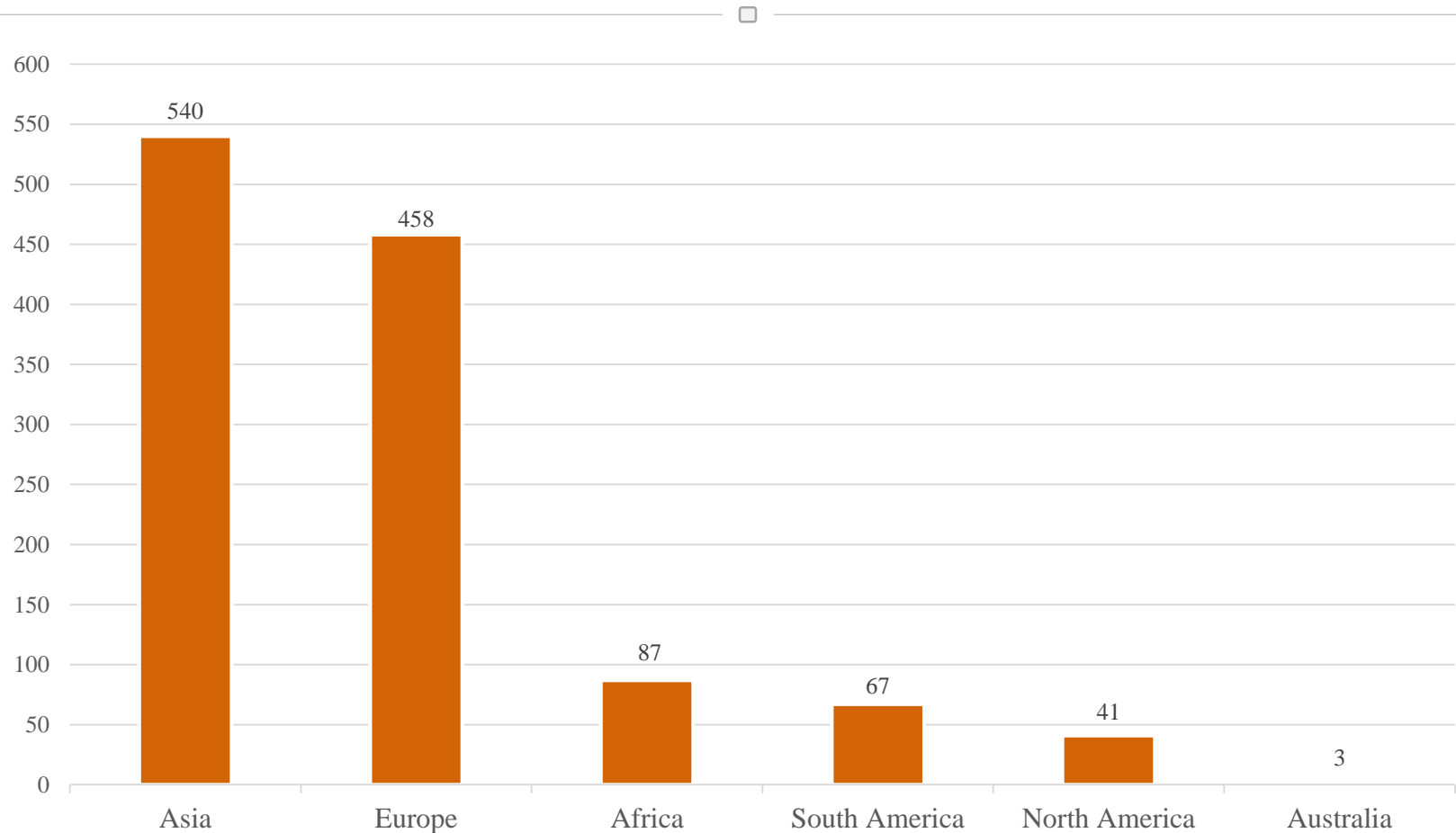
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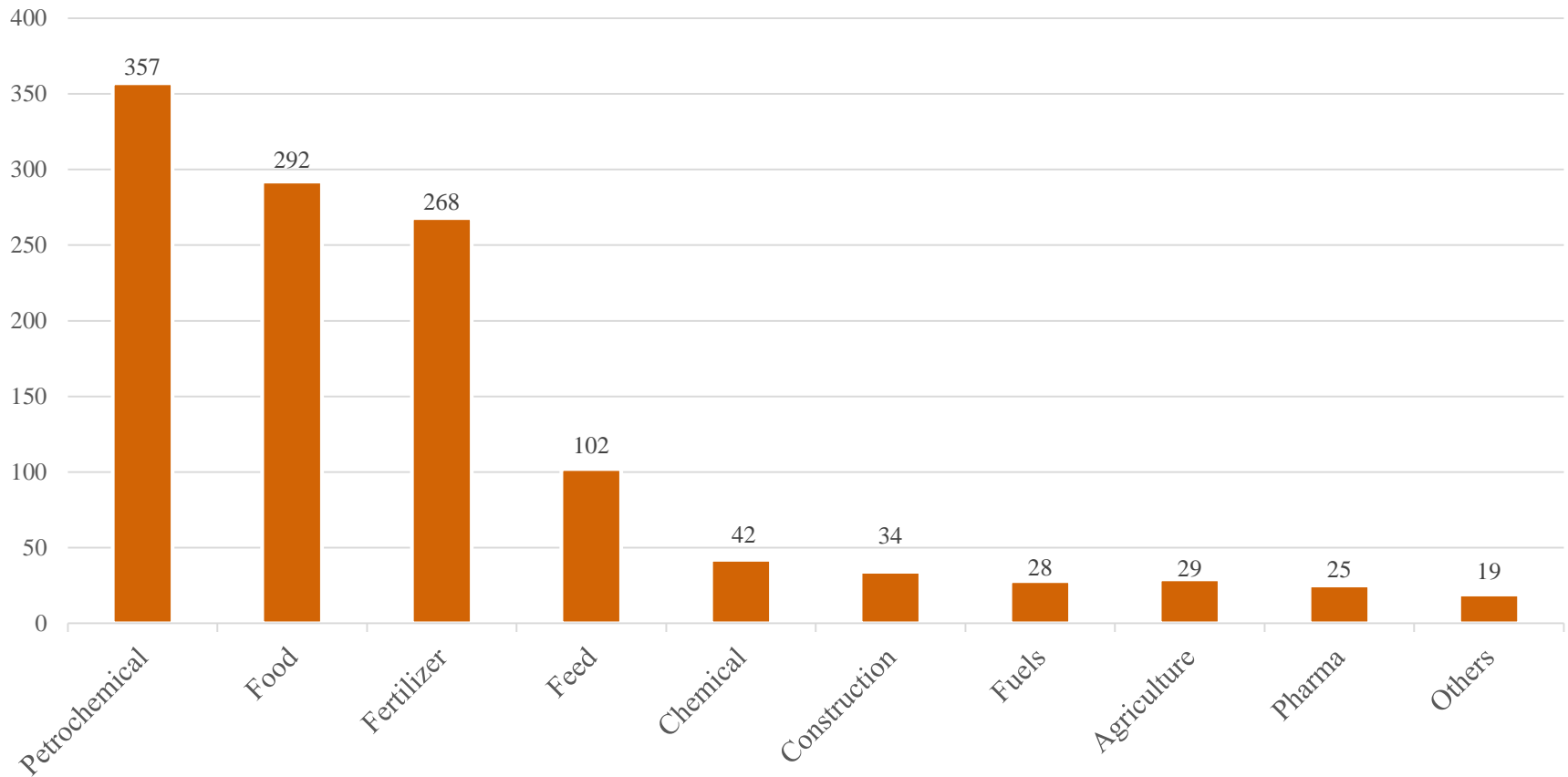


REFERENCES ON CONTINENTS





REFERENCES IN INDUSTRIES





EXCERPT OF REFERENCES IN ASIA



- | | |
|-----------------------------|---------------------------|
| ✓ BOGASARI INDOFOOD | ✓ LG CHEMICALS |
| ✓ CP INTERTRADE | ✓ INDIAN OIL |
| ✓ CPF CHAROEN POKPHAND FOOD | ✓ THAI POLYACETAL |
| ✓ CPF VIETNAM | ✓ RELIANCE |
| ✓ PERFECT COMPANION GROUP | ✓ HMC POLYMERS |
| ✓ PT LAUTAN LUAS | ✓ YARA FERTILIZER |
| ✓ PT TIGA PILAR | ✓ TITAN MALAYSIA |
| ✓ PT SUGAR LABINTA | ✓ BUSCO SUGAR |
| ✓ BETAGRO GROUP | ✓ JG SUMMIT PETROCHEMICAL |
| ✓ LAEMTHONG | ✓ PETROKIMIA GRESIK |
| ✓ MITR PHOL SUGAR | ✓ HONAM PETROCHEM |
| ✓ LAMSAN STARCH | |



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BAGGING AND PALLETIZING SYSTEMS



- ✓ Bagging machines for open-mouth bags: up to 2000 bags per hour
- ✓ Form-Fill-Seal machines: up to 2400 bags per hour
- ✓ Big Bag-Filling stations: up to 150 Big Bags per hour
- ✓ Palletizing systems: up to 2400 bags per hour





BAGGING AND PALLETIZING SYSTEMS



- ✓ Semi automatic bagging machines
- ✓ Net weighers
- ✓ Bag closing-systems
- ✓ Woven Polypropylene (PP), Polyethylene (PE), paper bags
- ✓ Bags with filling weight of 5 to 50 kg
- ✓ Plastic pellets, flour, grain, sugar, fertilizer, animal food, etc.





STATEC BINDER

highly efficient bagging and palletizing solutions

FLOUR / POWDER HANDLING STATEC BINDER



FULLY AUTOMATIC HIGH-PERFORMANCE BAGGING CAROUSEL
CIRCUPAC — UP TO 1200 BAGS PER HOUR





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BAGGING CAROUSEL CIRCUPAC

- ✓ **Fully automatic** high-speed bagging system for pre-fabricated open-mouth bags
- ✓ For woven PP-bags, PE-bags & paper bags
- ✓ **Perfect solution for bagging of flour** and powdered products
- ✓ Up to 1200 bags per hour

Innovative system

- ✓ Continuous rotation
- ✓ 6 rotating filling spouts
- ✓ Permanent product compression





BAGGING CAROUSEL CIRCUPAC

Capacity:	up to 700 bags/hour*	up to 1200 bags/hour*
Bag placing:	fully automatic	
Bag feeding system:	bag magazine, system-R, tubular PE-reel	
Bag type:	pillow bag, gusset bag	
Bag material:	woven PP-bags, paper bags, PE-bags	
Bag width:	330 - 640 mm	
Bag length:	600 - 1200 mm	
Filling weight:	10 - 50 kg	
Air pressure:	6 bar, constant, dry and oil free	
Air consumption:	~90 Nm ³ /h	~150 Nm ³ /h
Power supply:	3 x 380 - 480 VAC, 50/60 Hz	
Power consumption:	~20 kW	

*depending on product flow ability and filling weight



CIRCUPAC 700

- ✓ Start-stop operation of the carousel
- ✓ Driven by gearbox motors with frequency inverter
- ✓ 4 filling spouts
- ✓ Food-grade & ATEX execution
- ✓ Pillow and gusset bags with the same machine
- ✓ Bagging capacity: up to 700 bags per hour

CIRCUPAC 1200

- ✓ Continuous rotation of the carousel
- ✓ Driven by servo motors with one master controller
- ✓ 6 filling spouts
- ✓ Food-grade & ATEX execution
- ✓ Pillow and gusset bags with the same machine
- ✓ Bagging capacity: up to 1200 bags per hour



HOUSING OF MACHINE

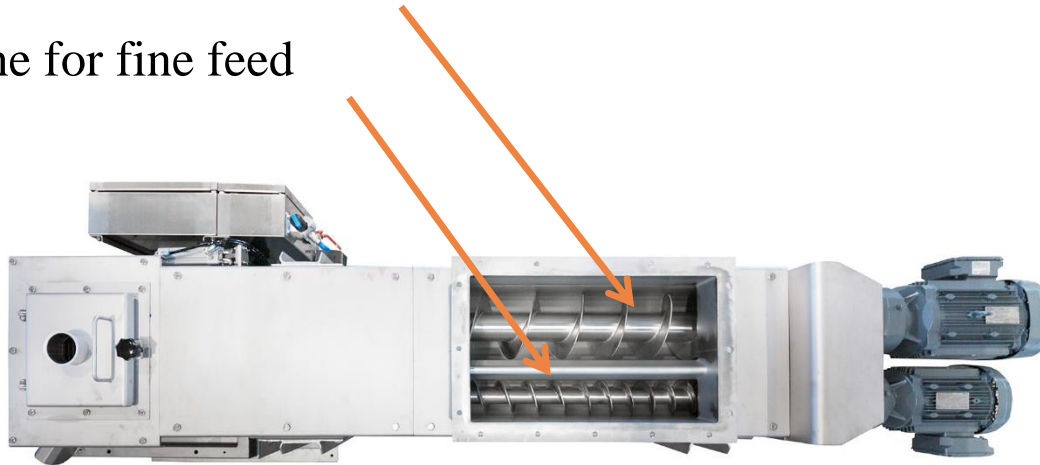
- ✓ Fully enclosed housing
- ✓ Sturdy and compact design
- ✓ Windows around housing
- ✓ Safety switches – if door is opened, machine stops





WEIGHING PROCESS

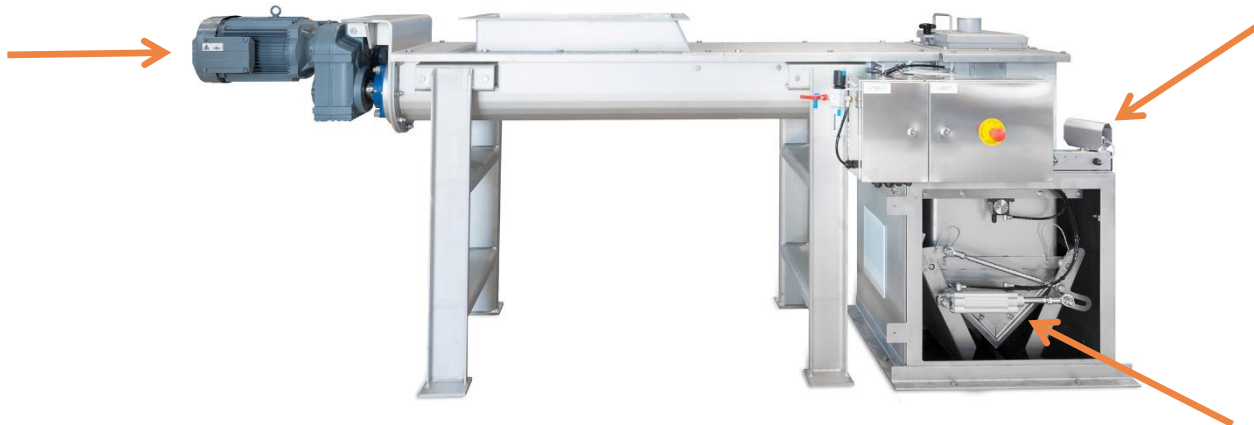
- ✓ Double screw dosing system for highest precision:
 - large one for coarse feed
 - small one for fine feed





WEIGHING PROCESS

- ✓ Motor driven with frequency inverter
- ✓ 3 load cells
- ✓ After weighing weigh hopper opens and product flows through discharge chute into the bag that is placed on the filling spout





BAG MAGAZINE

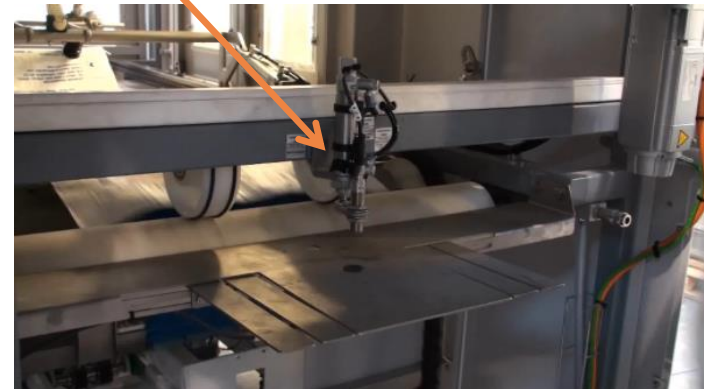
- ☑ Bag magazine change:
 - bag magazine turns when empty
 - full bag magazine goes into operation
- ☑ Empty bag magazine can be refilled during operation
- ☑ Special design of singling out-grid in order to run soft bags





EMPTY BAG TRANSPORT

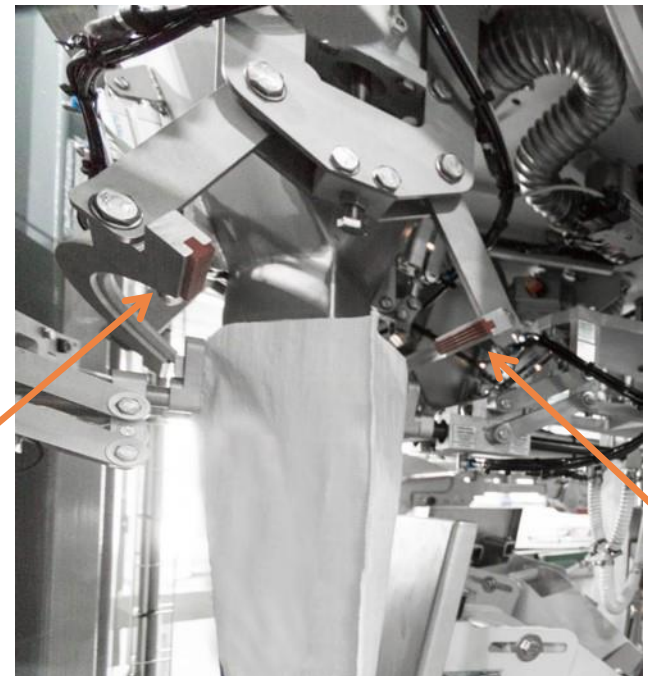
- ✔ Transport of empty bag to pick-up table
- ✔ Film thickness measurement – recognizes if two or more bags stick together
- ✔ Rejection if more than one bag





BAG OPENING UNIT

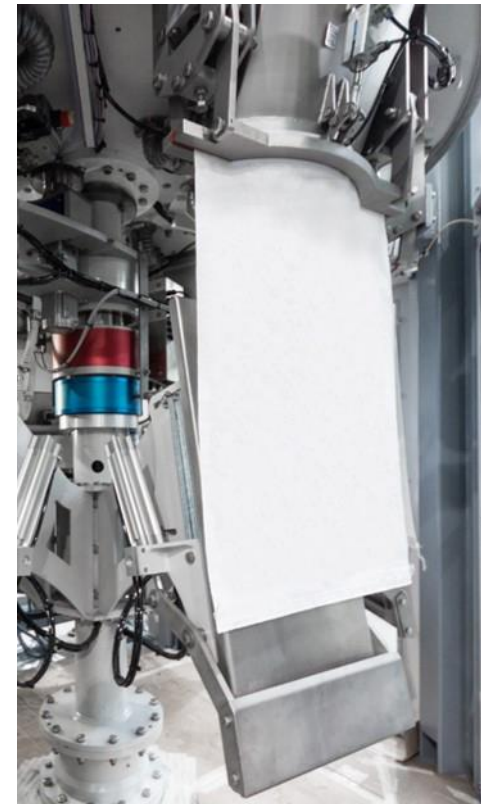
- ✓ Special design to operate pillow and gusset bags
- ✓ Bag opening through vacuum suckers
- ✓ Servo-driven unit for perfect accuracy





FILLING SPOUT

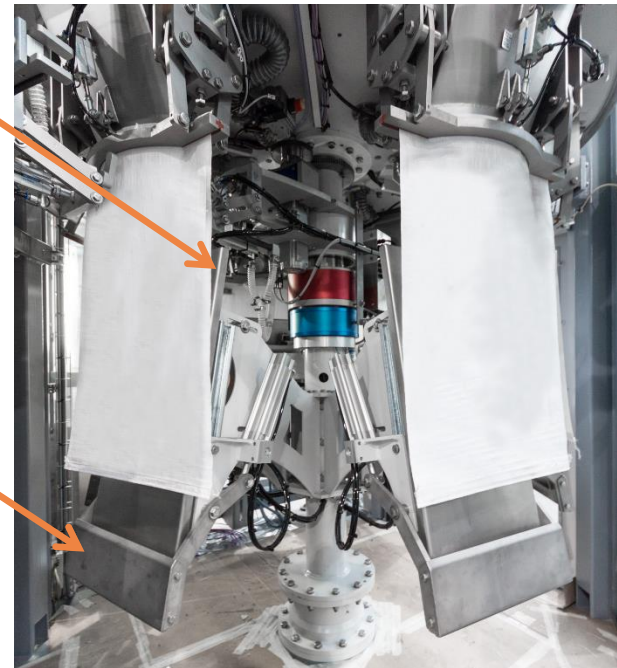
- ✓ Dust-tight filling spout
- ✓ Dust extraction through internal piping system
- ✓ Pneumatic control system – checks if bag is placed correctly on the filling spout





FILLING CAROUSEL

- ✓ 6 filling spouts
- ✓ Specially designed vibrating plates in order to get a compact filled bag



BAG REMOVAL UNIT

- ✓ Servo-motor driven movements
- ✓ Pick-up of bag by grippers



- ✓ Positioning of the filled bag on the transport belt





BAG CLOSING UNIT

- ✓ Fully automatic sewing machine for secure and accurate bag closing
- ✓ Optional: Labelling





GENERAL OPERATION

All movements are driven by one intelligent master servo drive-controller – all other drives follow it with a virtual gearbox.

Benefits:

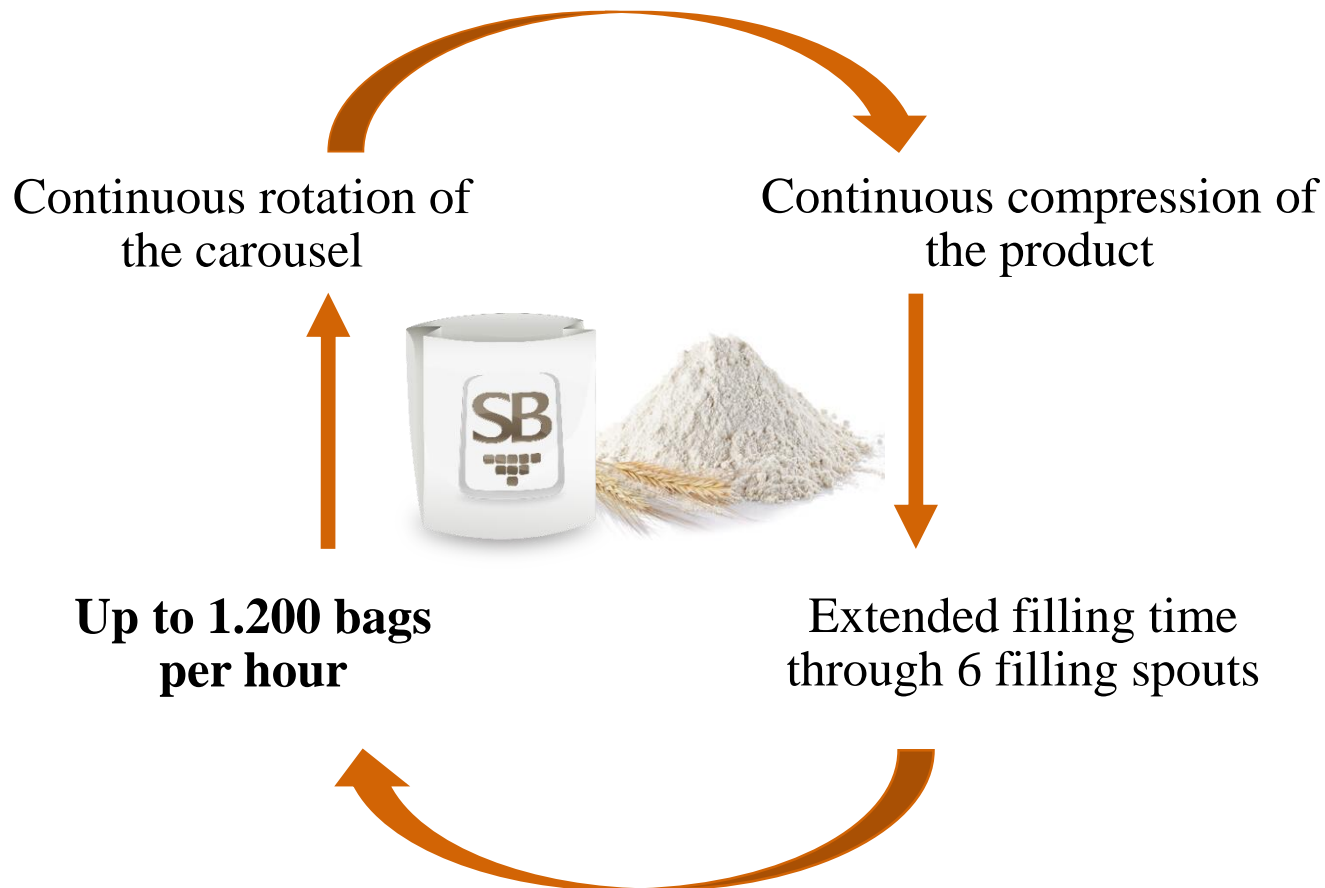
- ☑ Capacity can be adjusted by changing one parameter
- ☑ Easy handling for operation
- ☑ Easy maintenance



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CIRCUPAC 1200





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THANK YOU
FOR YOUR ATTENTION!