

MULTIPACK 5000

Fully automatic filling and wrapping machine
for pasty products



FLEXIBILITY COMBINED WITH HIGH OUTPUT: THE MULTIPACK 5000 FILLING AND WRAPPING MACHINE

With a speed of up to 135 packets per minute and a filling weight and size range of 50 to 500 g, the single cell machine Multipack 5000 achieves the highest performance, worldwide, for wrapping pasty type products. This machine can be equipped with a CIP cleanable dosing system which fulfills industry standard hygienic requirements. In common with all the other OYSTAR Benhil filling and wrapping machines, the Multipack 5000 is characterized by exceptional filling accuracy, extremely high reliability, and a long service life.

Multipack 5000 – all advantages at a glance

- The Multipack 5000, which combines more than 90 years' experience in the design and manufacture of filling and wrapping machines with the latest control and manufacturing technologies, provides ultimate operating convenience and a most robust machine concept
- The Multipack 5000 has an output of up to 135 packets per minute, with an outstanding filling accuracy, and an efficiency of almost 100%. These features result in highest productivity and vastly improve the machine users' competitive edge
- Size flexibility within the weight range of 50 – 500 g with very short change-over times
- The servo-driven wrapping material advance system plus the ability to integrate all current date coders guarantee precise wrapper registration and artwork centering
- Reduced cleaning intervals due to CIP cleanable dosing and CIP cleanable product feed systems (optional)
- The modular machine concept clearly separating kinematics and product zone, allows easy and low-cost conversion and retrofitting of individual modules
- Computer-optimized drive cams ensure quiet and gentle machine movements
- Several product feed options are available: direct feed from the process plant with corresponding signal exchange, trough with separately driven feed worms, and product hopper with or without press worm
- Packet folding with distinctive, sharp edges due to filling level control at the dosing station and stepless adjustment of pressure at the calibrating station
- At a later stage, the Multipack 5000 can be adapted for different wrapping materials and packet sizes for all types of bottom and length side folds by simple replacement of the individual folders or of the complete folding station
- Centralized lubrication and the use of maintenance-free components considerably reduce greasing requirements
- Ease of operation and maintenance due to best access to all machine parts

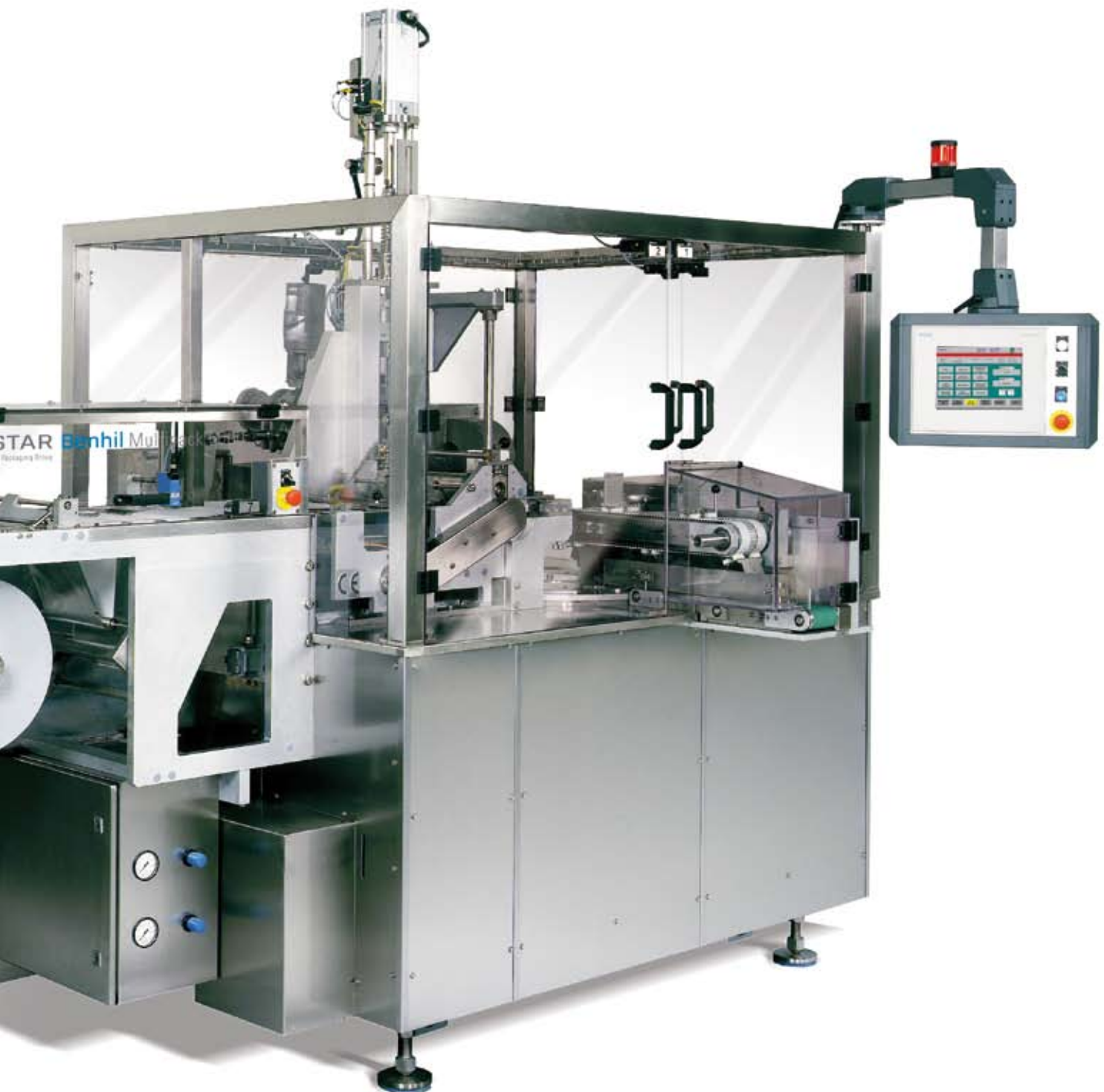




Wrapper feeding device



Wrapper bag forming





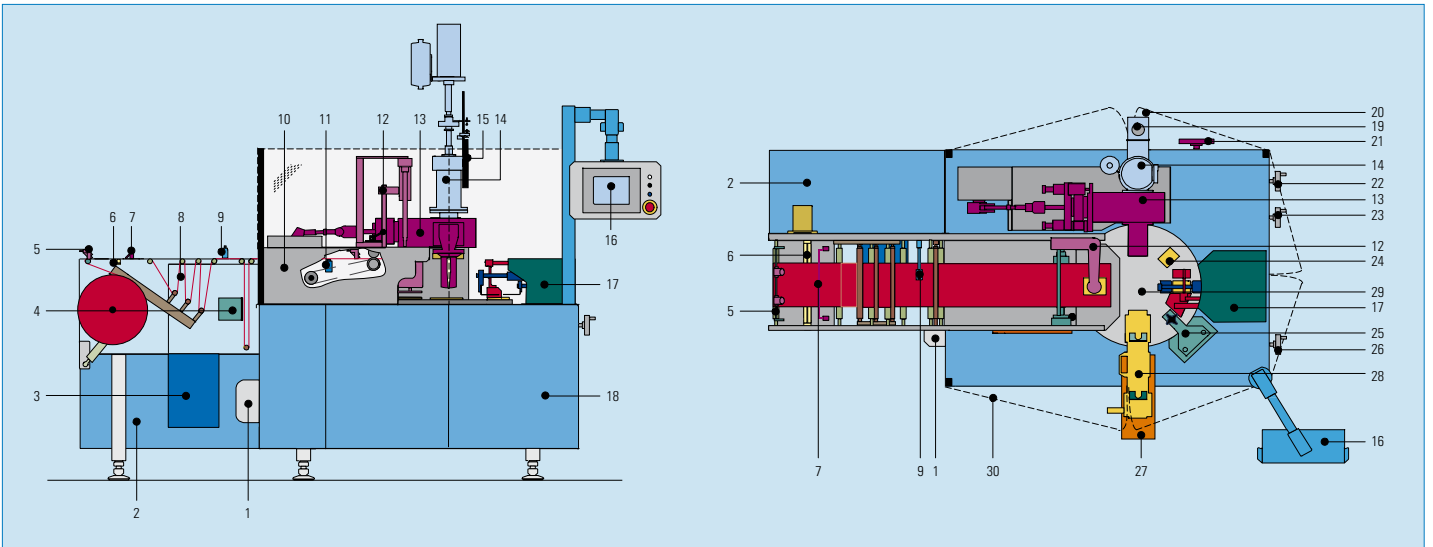
Product feed with CIP dosing system



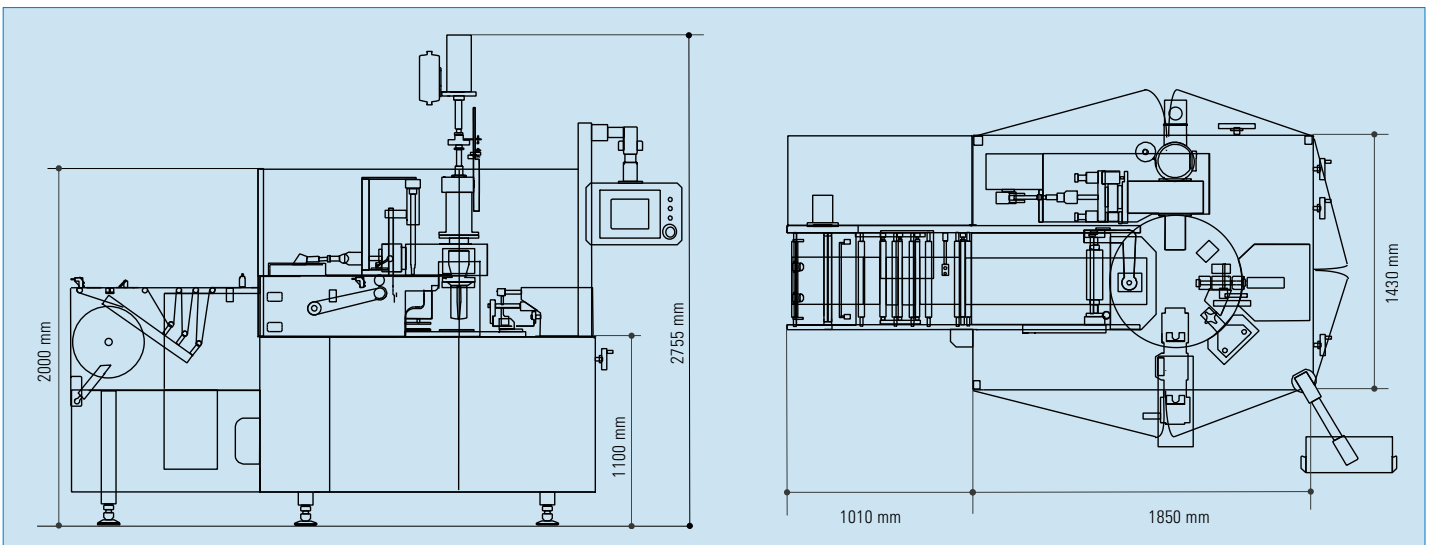
Calibrating station



Evacuation and discharge conveyor



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|----------------------------------|----------------------------|---------------------------------|--|
| 1 Main drive | 9 Adhesive tape detection | 17 Folding | 25 Calibrating station |
| 2 Switch cabinet | 10 Wrapper advance | 18 Basic construction | 26 Guide system and ejector adjustment |
| 3 Pneumatic cabinet | 11 Scanning mark detection | 19 Safety valve | 27 Discharge conveyor belt |
| 4 Date coding | 12 Folding plunger | 20 Product feed | 28 Overhead discharge conveyor |
| 5 Wrapper brake | 13 Dosing | 21 Handwheel | 29 Turntable |
| 6 Cutting strip | 14 Compensating piston | 22 Lifter adjustment | 30 Safety guarding |
| 7 Wrapper catcher | 15 Feeding pump control | 23 Complementary cam adjustment | |
| 8 Wrapping material buffer store | 16 Operating panel | 24 Cell | |



Technical Details

| | |
|-----------------------|--|
| Fill product | Butter, margarine, edible fats, fresh cheese, chocolate paste |
| Product feed | Direct feed from the process plant, product hopper or trough with feed worms, all CIP cleanable |
| Dosing range | 50–500 g |
| Wrapping material | Parchment, aluminium laminated foil, plastic coated papers, other materials on request |
| Folding | Bottom or length side fold |
| Wrapper registration | Photo-electric, for wrapper with printed scanning marks |
| Date coding | By laser printer, inkjet, ink printer, or pin perforator |
| Nominal output | Up to 135 packets/min., depending on the fill product |
| End-of-line packaging | By downstream fully automatic or semi-automatic case packer |
| Mode of operation | Wrapping material unwinding, date coding, cutting, bag forming, product dosing and filling, packet closing, calibrating, discharge |
| Equipment | Frequency-controlled main drive, servo-driven wrapping material advance, corrosion-resistant materials in the filling area, central lubrication |
| Special equipment | CIP cleanable dosing unit, wrapping material pre-unwinding, inkjet, several folding options for various products, discharge conveyor, USDA execution |
| Machine control | Siemens PLC S7-300 or Rockwell ControlLogix; both with touch screen |

OYSTAR Benhil delivery program

- Fully automatic filling and wrapping machines
- Fully automatic tub filling and closing machines
- Cartoners and case packers
- Reconditioned machines
- Auxiliary dairy equipment (Microfix)



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