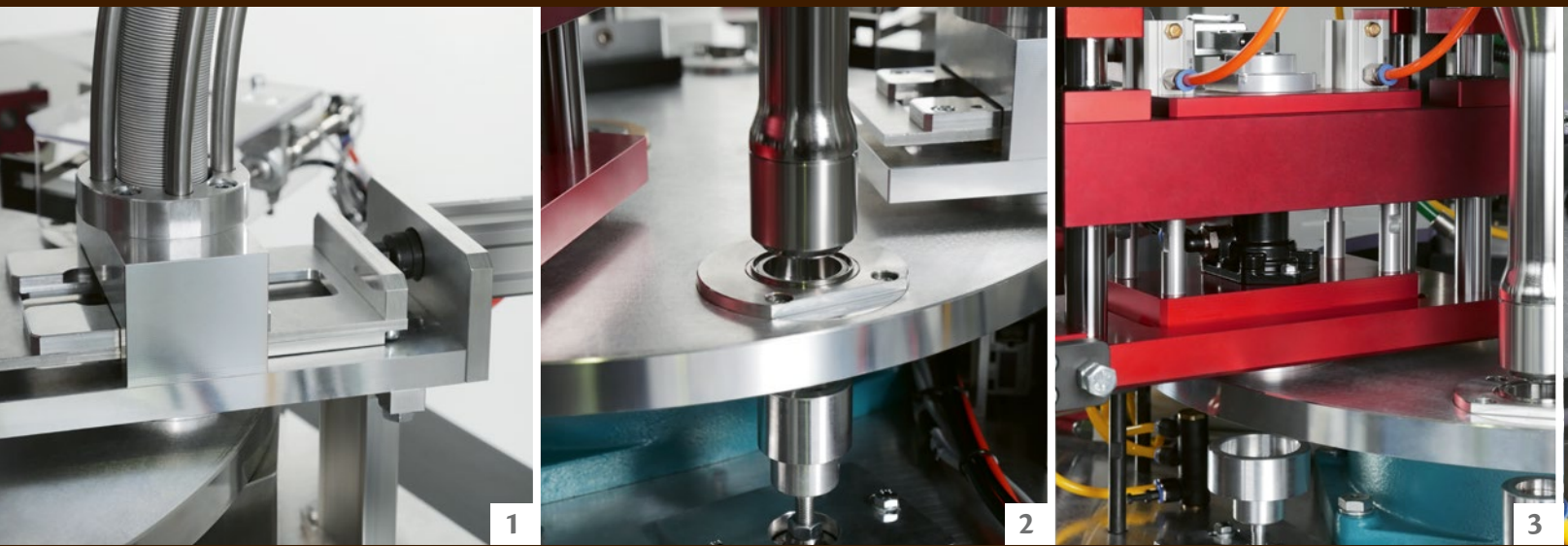


SB1

CAPSULE FILLING AND SEALING MACHINE



SB1 CAPSULE FILLING AND SEALING MACHINE



The SB1 is an extremely compact rotary machine for the filling and sealing of single capsules.

The ergonomic design assures great accessibility for maintenance, service and easy cleaning; further more the pull-out dosing systems significantly reduces line downtimes.

Thanks to a very fast size changeover the SB1 can handle Nespresso compatible capsule in plastic, aluminum and compostable material. Capsules can be fed manually by the operator and individually inserted into the rotary table or stacked into a magazine and placed into the rotary table by means of an automatic de-stacking unit.

Capsules can be closed at the top with aluminum film, micro perforated, filter paper, triplex coupled, PP and compostable lid. According to the machine configuration, speed can reach up to 20 capsules per minute.

MAIN FEATURES

- LOW SPEED MACHINE
- GREAT ACCESSIBILITY
- EXTREMELY PRECISE DOSING SYSTEM
- PRODUCTION IN MODIFIED ATMOSPHERE
- MINIMAL MAINTENANCE REQUIREMENTS





1. De-stacking unit
2. Product dosing system
3. Pressing and cleaning unit
4. Nitrogen flushing unit
5. Top lid cutting and sealing unit

DOSING UNIT

Precise and accurate product dosing into the capsule is performed by a servo-controlled auger combined with innovative gating system. Extremely gentle product handling suits a wide range of products to be filled, such as coffee with different densities, tea and soluble powders.

A capacitive sensor inside the doser allows to keep the product level constant for a uniform dosage.

- TOLERANCE $\pm 0,2$ g
- CAPACITY SENSOR INSIDE THE DOSER
- FLAVOUR SYSTEM

NITROGEN FLUSHING UNIT

The SB1 works in modified atmosphere. Thanks to the exceptionally compact footprint of the machine and to the strategic position of the nozzle, the nitrogen chamber is able to achieve a very low oxygen levels ($< 1\%$) with nitrogen consumption considerably low.

SEALING SYSTEM

The SB1 is equipped with a compact, accessible and robust cut & seal system in a single station.

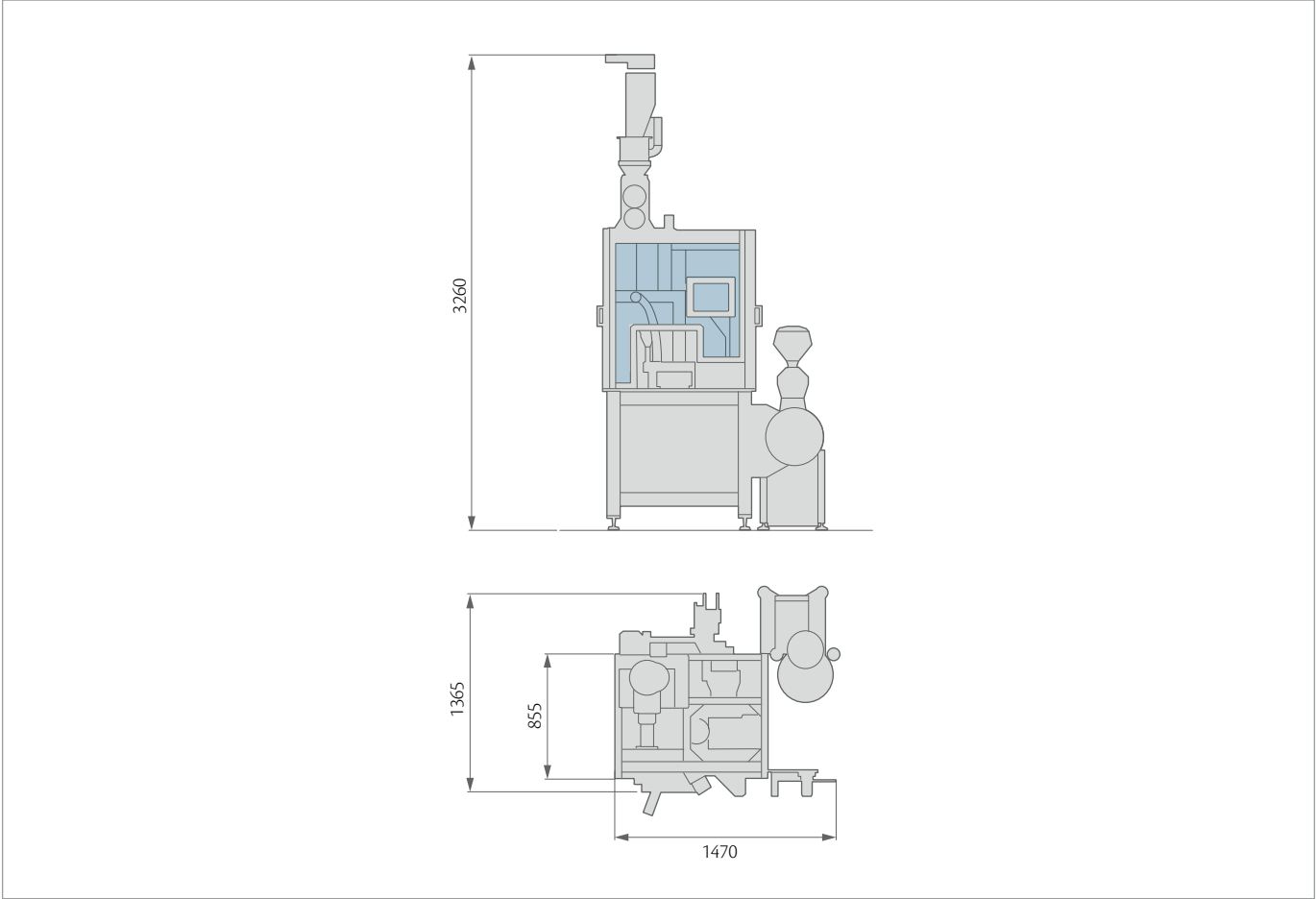
- The lid is cut and thermo-sealed one the capsules
- Sealing temperatures are constantly controlled by a thermo-couple system located inside the sealer.

OPTIONAL FEATURES

- PNEUMATIC CONVEYING SYSTEM
- GRINDER
- FLAVOUR SYSTEM



TECHNICAL DATA



Production range	20 capsule/min
Power consumption (kW)	2 Kw
Machine weight (kg)	600 Kg
Nitrogen consumption	250 NI/min
Compressed air consumption	380 NI/min
Compressed air pressure	6 bar

Data subjected to possible technical modifications and not necessarily definitive.

