Skintech MV-1-1 60

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Skintech MV-1-160

DESCRIPTION

Automatic technological solution intended to fill jars made of different materials. Machinery designed to fill and close jars of heterogeneous shape and characterised by versatility of use, both in make-up, skin care and hair care. Solution designed to be customised and configured by adding the modules for production and the level of automation required.

APPLICATION and CONSUMER OUTPUT

Skin Care Eyes, Face, Lips, Body
Make-up Eyes, Face, Lips
Hair Care

TECHNICAL FEATURES

- Productivity: up to 3000 pcs/h
- Supported Formats:
  Ø 30 mm - 125 mm
  H 20 mm - 130 mm
- Internal volume – 20/500 mL

ADVANTAGES

- Parts in contact with the product made of AISI 316 stainless steel
- Extreme dosing precision
- Production flexibility thanks to immediate format change
- Ergonomic design for the maximum comfort for operators during processing
- Control the access from a single interface with self-diagnostic functionality and intuitive operator support
- Accessibility improved, high product visibility, maintenance, and cleaning operations
- Security guaranteed by 5 mm + 5 mm toughened and laminated glass
- Reliability of a robust construction for low maintenance and long service life
- Simplicity of control thanks to management systems, facilitated mechanical procedures and dedicated software
- Premium Partnership with Mitsubishi, Keyence, Festo

OPERATIONAL SEQUENCE

1. **JARS STORAGE DISK**
   Selection for in-line feeding on the machine's input conveyor. Station equipped with presence control and correct insertion of the jars inside the rotary table
2. **DOSING STATION**
   Heated or unheated volumetric dosing unit, with temperature control from operator panel, for products of different viscosities. Dosing with motorised pump controlled by brushless servo-motor and dosing cylinder made of Aisi 316 stainless steel and FDA compliant. Dosing speed and volume adjustable from operator panel. Diving nozzle for correct dosing adjustable stroke. Vertical nozzle movement system realised with mechanical axis controlled by brushless servo motor. Nozzle up and down speed settable from operator panel
3. **UNSTACKING AND PRE-STACKING SEAL STATION**
   Station for positioning the aluminium or plastic disc over the jars. Consisting of a wharehouse and a mechanical pin equipped with a suction cup which picks up the disc and releases it over the jars. After being unstacked, the disc is fixed to the edge of the jars with two welding points, to prevent it from moving during the movement of the table
4. **HEAT SEALING STATION (TWO STATIONS TO GUARANTEE OPTIMUM SEALING)**
   Heat-sealing station with two sealing heads, controlled by two pneumatic cylinders. The are electronically thermoregulated and timed. The profile of the sealing heads is designed according to the jar used. Sealing time and temperature are independent and adjustable from control panel.
5. **AUTOMATIC SUB-TOP LOADING STATION**
   Automatic station for undercaps loading consisting of a feeding system, one pick-and-place equipped with a suction system, and undercaps loading onto the jars. The correct presence of the sub-top is checked by a flow sensor
6. **AUTOMATIC CAP-LOADING AND PRE-LOADING STATION**
   Cap loading station where pre-screwing is carried out by rotating clamp through a brushless motor
7. **CAP SCREWING STATION**
   Cap screwing station with stainless steel closing clamp, rotation made by brushless motor with torque and speed control, through a vertical movement.
8. **JARS UNLOADING STATION**
   Jars unloading station consisting of a two conveyors. The first is dedicated to the valid parts, the second one to the invalid parts.

INSIGHTS

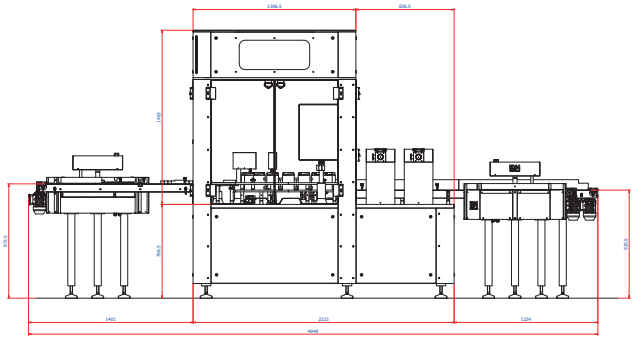
- Electrowelded steel frame painted with RAL 7035 fine textured powder with lower casings in 304 BA polished stainless steel, height-adjustable vibration-damping feet, upper panels in 5+5 mm thick tempered glass, machine ceiling cover and doors with safety microswitch with interlock

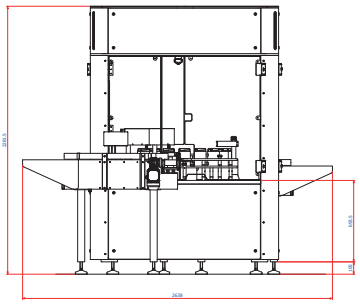
- Anticorodal platform covered with 304 BA polished stainless steel sheet, electrical panel located on the machine. Upper perimeter safety guards made of laminated glass and equipped with a safety microswitch

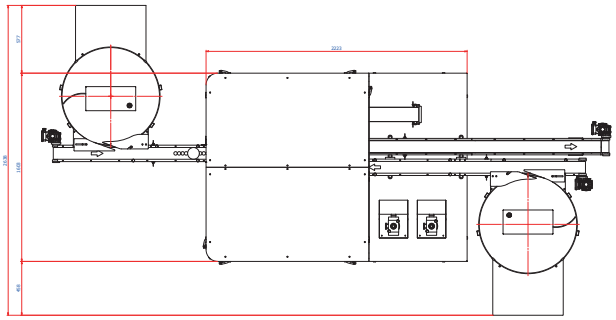
- Machine conforms to regulations, complete with instruction manual

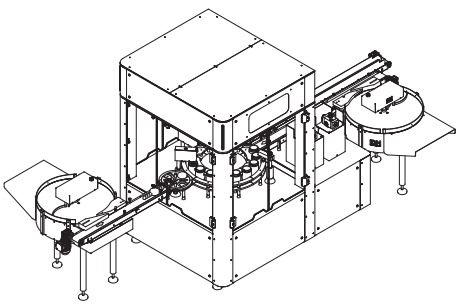
CONFIGURATION

- Jars storage disk
- Dosing station
- Unstacking and pre-stacking seal station
- Heat sealing station (two stations to guarantee optimum sealing)
- Automatic sub-top loading station
- Automatic cap-loading and pre-loading station
- Cap screwing station
- Jars unloading station









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