



# All-In-One Glass MS-1-160

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## DESCRIPTION

Automatic or semi-automatic technological solution intended for filling glass bottles and designed to manage the complete assembly of brush, dispenser, cap, dropper of liquid and/or low-viscosity mixtures. Machinery designed to manage heterogeneous shape and characterised by versatility of use, both in make-up, skin care and hair care. The solution can be customised and configured by adding the necessary modules to suit various level of automation.

## APPLICATION and CONSUMER OUTPUT

Make-up Hands and Face  
Skin Care Face, Body  
Hair Care



### TECHNICAL FEATURES

- Productivity: up to 3000 pcs/h
- Available in ATEX Zone II "Compliant"
- Supported formats:
  - Ø 15 mm – 45 mm
  - L 30 mm – 150 mm
  - Internal volume 1/60 mL

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## ADVANTAGES

- Parts in contact with the product made of AISI 316 stainless steel
- Extreme metering 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. BOTTLE ACCUMULATION DISK

Bottle selection for inline feeding on the conveyor

### 2. BOTTLE INPUT CONVEYOR

Transport of glass bottles to the rotary table equipped with a photocell for bottle presence check

### 3. DOSING STATION

Volumetric filling of bottles by dispensing with pneumatic or motorised pump driven by brushless servomotor. 2-way dosing valve made of AISI 316 stainless steel and FDA-compliant. Dosing speed and volume can be set from the operator panel

### 4. BRUSH, DISPENSER, CAP LOADING STATION

Station for semi-automatic or automatic loading of the brush, dispenser (e.g dropper) and caps

### 5. SCREWING STATION

Cap tightening with unit equipped with vertical movement, closing through self-centring three-finger clamp. Rotation by brushless motor with control of torque and closing speed and screwing pressure. Photocell for cap check for the correct screwing

### 6. BOTTLE UNLOADING STATION

Unloading of valid parts on exit conveyor

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## INSIGHTS

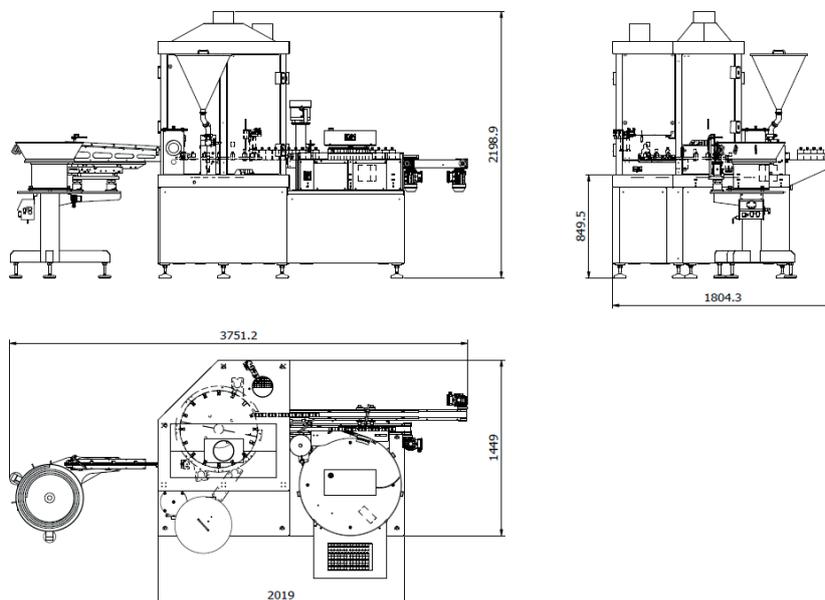
- Electrowelded steel frame painted with RAL 7035 fine textured powder with lower casings in 304 BA polished stainless steel, height-adjustable vibration-damping feet, upper panels in 5+5 mm thick tempered glass, machine ceiling cover with stainless steel panels, doors with safety microswitch with interlock
- Anticorodal platform covered with 304 BA polished stainless steel sheet and remote control panel with cables up to 15 m long (recommended for ATEX version)
- Machine conforms to regulations, complete with instruction manual
- Various optionals can be added:
  - » Orientation system suitable for feeding rectangular glass bottles
  - » Stainless steel balls loading station with system to select the number of items
  - » No-drop nozzle in the case of liquid or low-viscosity mixtures; levelling station of the mixture inside the bottle with suction system for excess product



# CONFIGURATION



- Bottle accumulation disk
- Bottle input conveyor
- Photocell for bottle presence control
- Dosing station
- Stainless steel balls loading station
- Brush, dispenser, cap loading station
- Screwing station
- Photocell for checking cap presence (checking correct screwing)
- Bottle unloading station for valid parts on exit conveyor





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