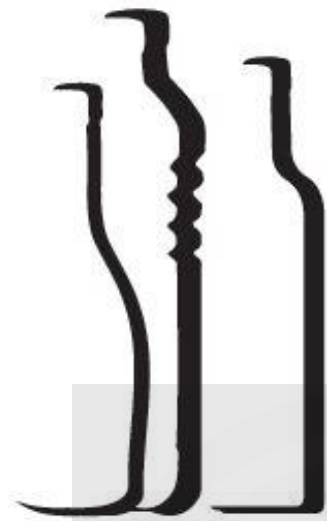




SHAPING IDEAS SINCE 1994



OMS





COMMERCIAL DEPARTMENT

- Sales & After sales
- Service & Spare parts



TECHNICAL DEPARTMENT

- Mechanical engineering
- Electric / Electronic engineering
- Purchasing department



PRODUCTION

- Assembling
- FAT / SAT
- Service



WAREHOUSE

- Quality control
- Spare parts and shipping



All the machines are designed to satisfy every production requirement and specification from 600 to 25.000 B/H, and they can be used in several fields as :

- BEVERAGE
- FOOD INDUSTRY
- PHARMA



BEVERAGE



FOOD



PHARMA



COSMETIC

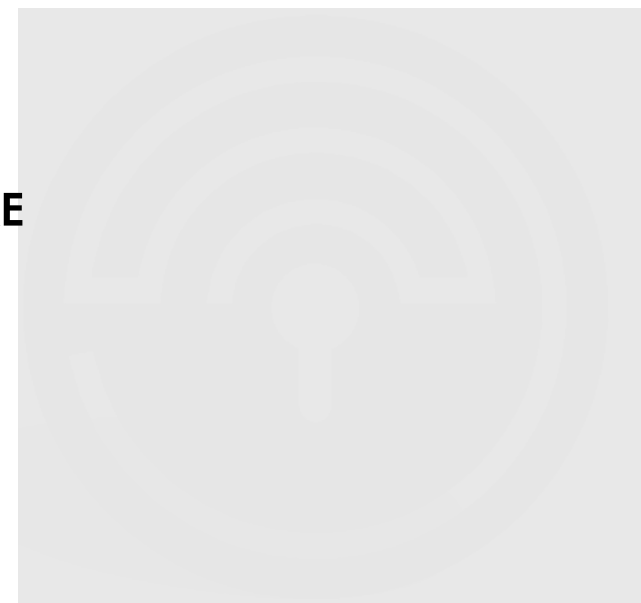


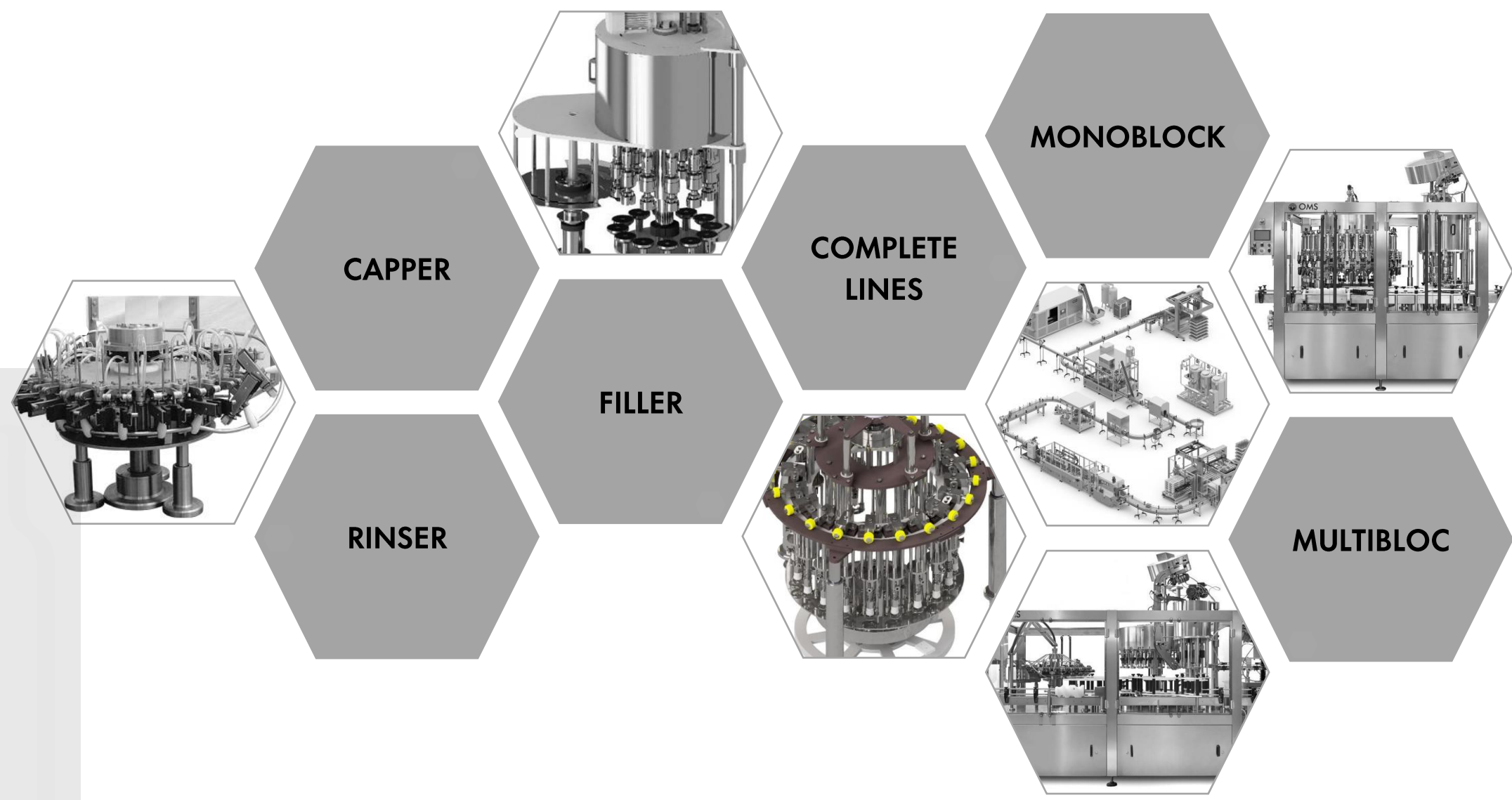
PERSONAL
CARE



CHEMICAL

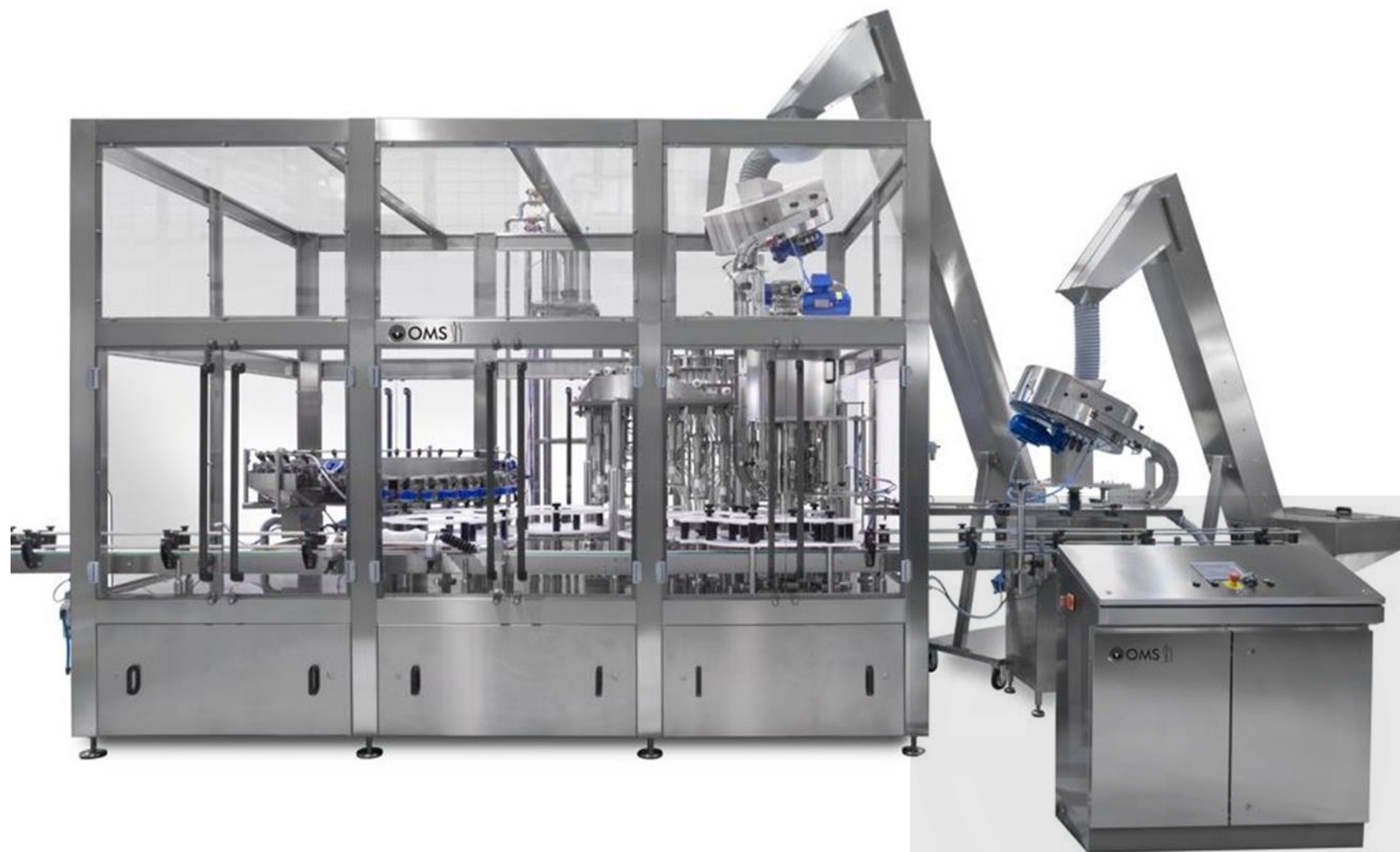
- COSMETIC
- PERSONAL and HOME CARE
- CHEMICAL





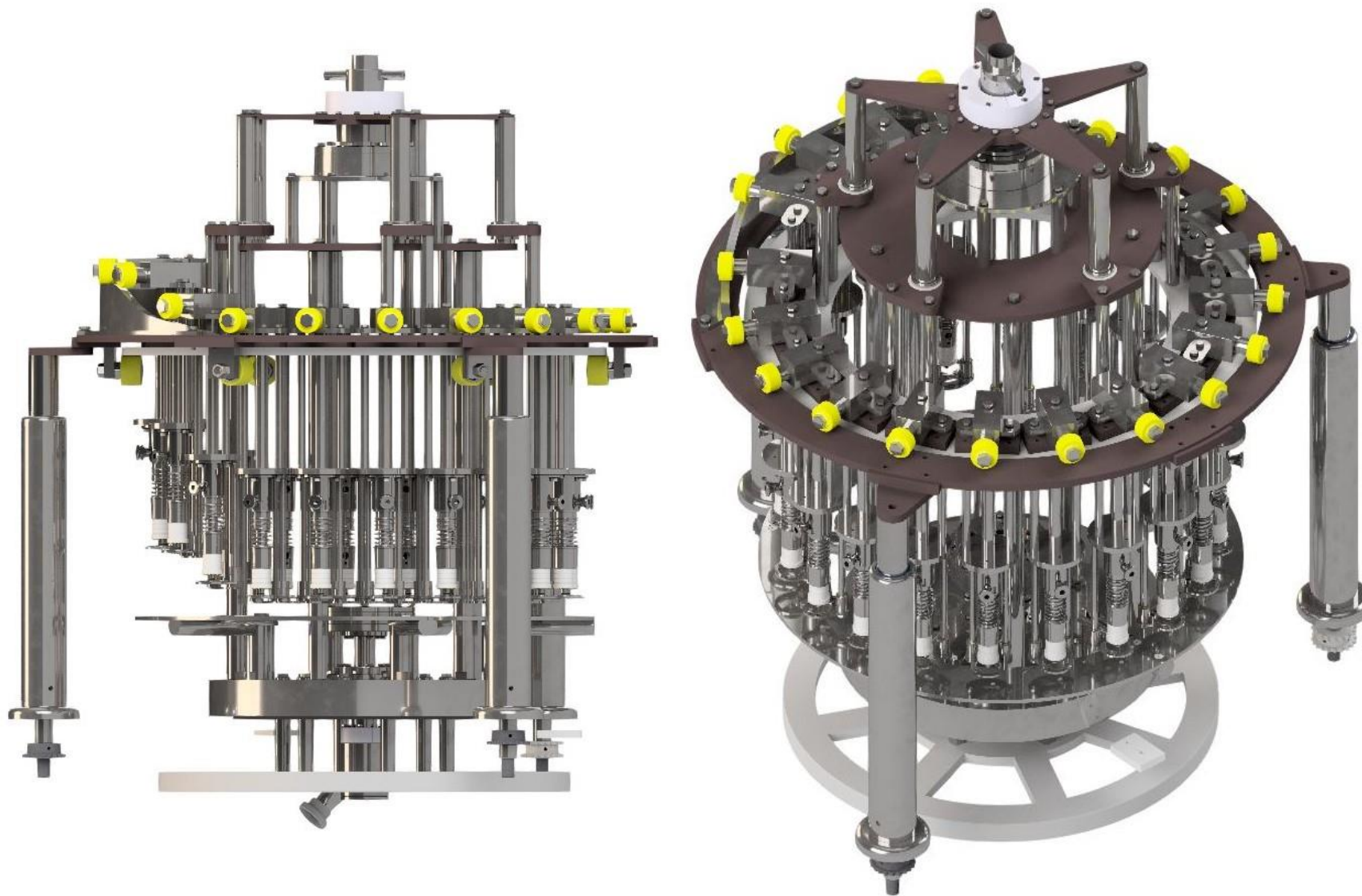
Filling Technologies

OMS's rotary Fillers from 9 to 48 valves are suitable for speed from 1.000 to 25.000 BPH. All the machine can be customized in accordance with customer's bottles, caps, specification and requirements.





Rotary Filling & Capping Monoblocs or Rinsing + Filling & Capping Monoblocs for Glass and Pet bottles from 1.000 to 25.000 bottles per hour.



Tankless pressure-gravity fillers with Descending Valves system suitable to fill non-carbonated and non-dense product (as water, juices, liquors and spirits) into glass and/or PET bottles

The system is suitable for cold filling and hot filling systems with continuous product recirculation.

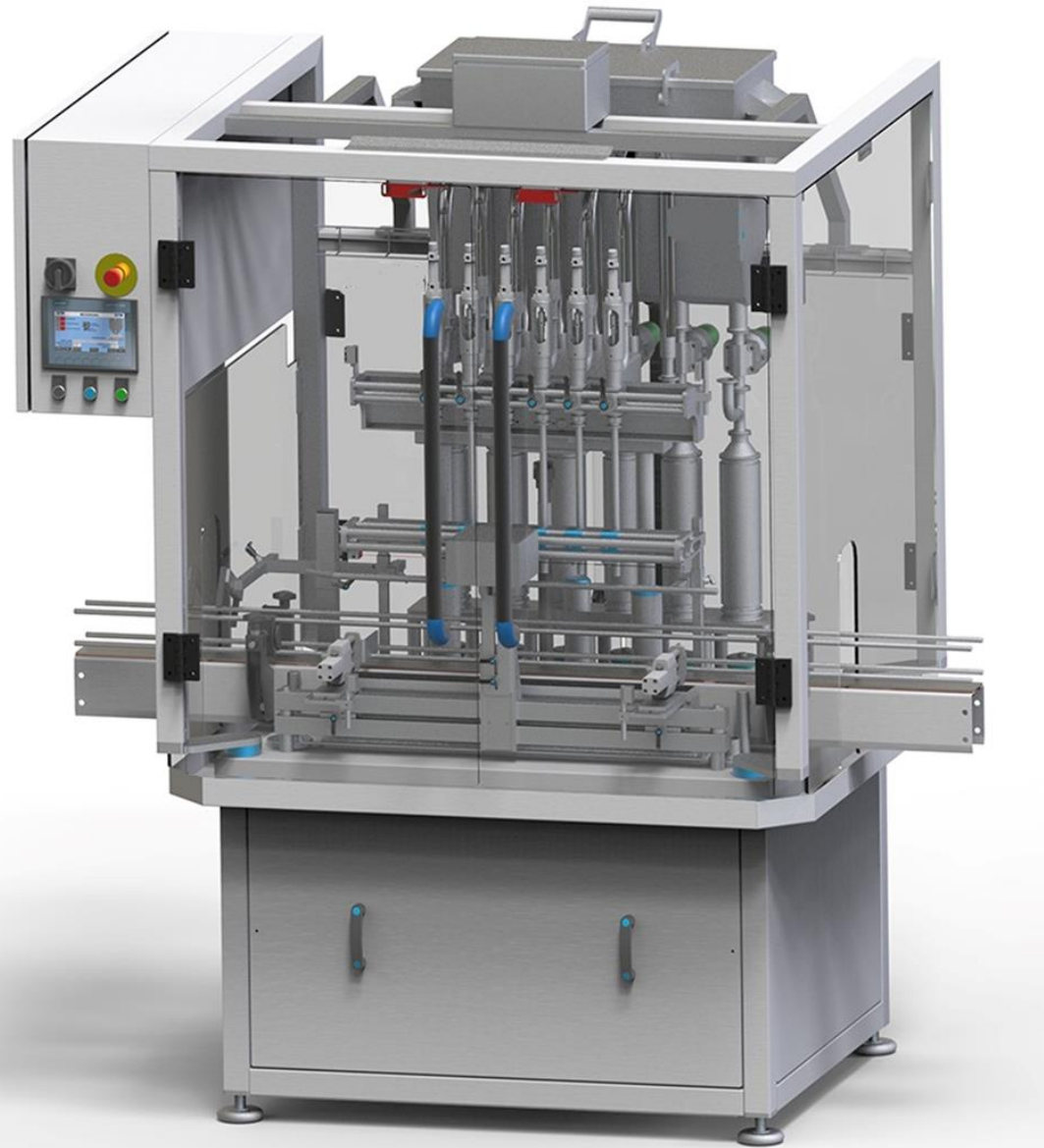
The air comes from the bottles goes outside in the external tank to avoid any possibilities of contamination and oxidation of the product to fill.



Volumetric Piston-Fillers machine suitable to fill foamy and not-foamy products, low and medium density products as syrups and sauces.

The same machine is available in versions suitable to fill detergents, personal and home care products and chemical products.

The piston dosing cylinders are manufactured in stainless steel or plastic and are engineered in accordance with the product and the bottles to be processed.

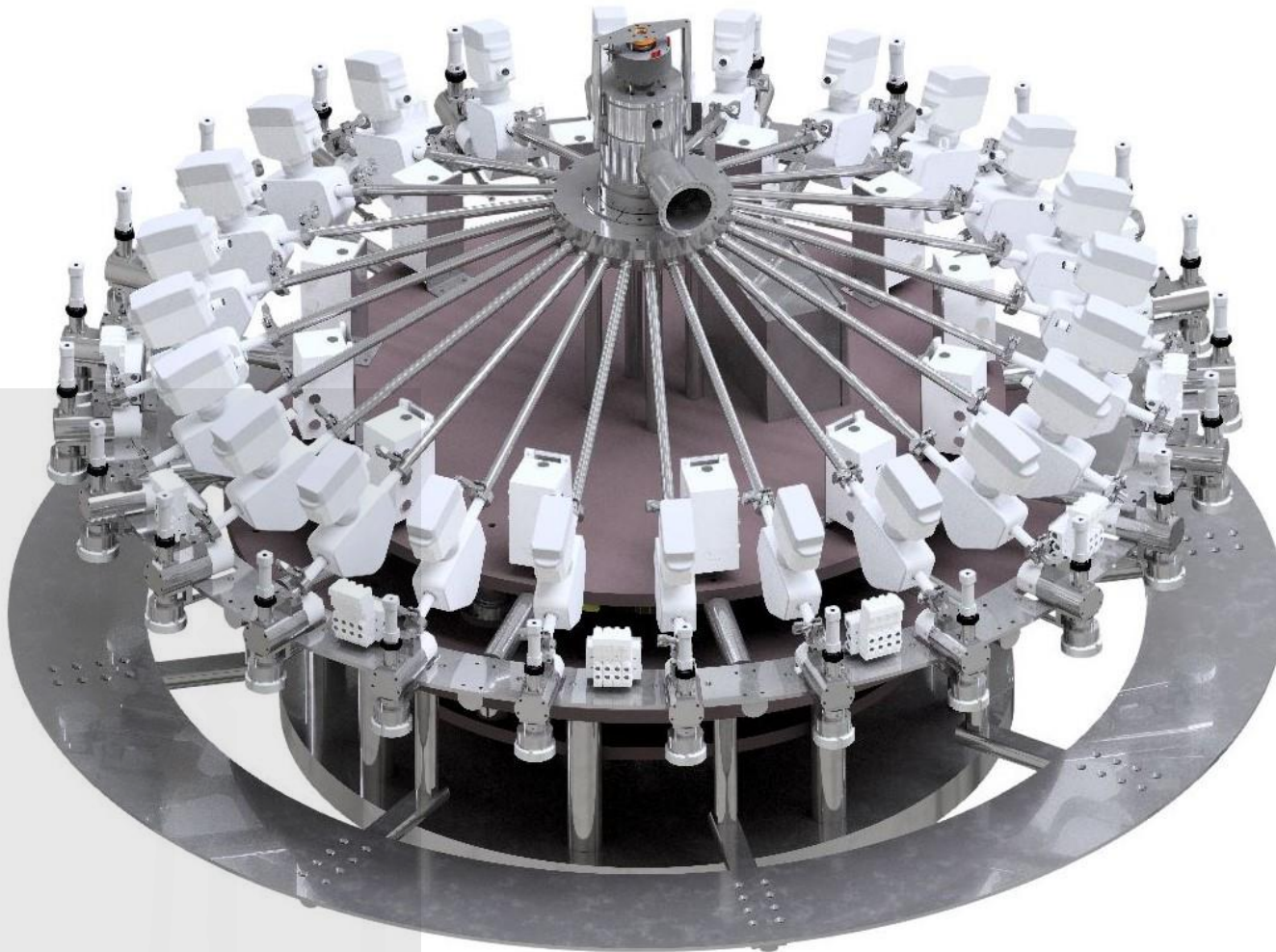


Electronic Volumetric system managed by **MAGNETIC** or **MASS** flow meters (electronic measuring devices).

Advantages of the **FLOW-METER** system :

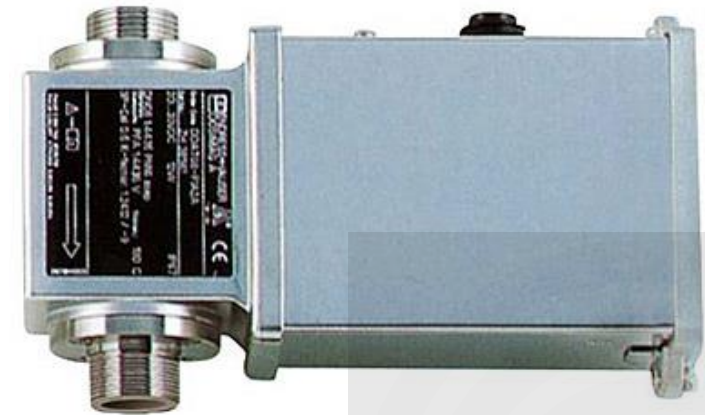
- **No Contact between filling Valves and Bottles**
- **Simple and fast adjustment of the filling volume directly from the operator control board.**
- **Precision of the filling volume even in case of wide range of content for different size bottles.**
- **High precision of filling volume even with variation of the liquid temperature.**
- **Low costs for maintenance.**
- **Simplicity of washing and sanification as all parts in contact with the product have no interstices**

The system is indicated for detergents, chemicals, home and personal care, lube oils and light pharma



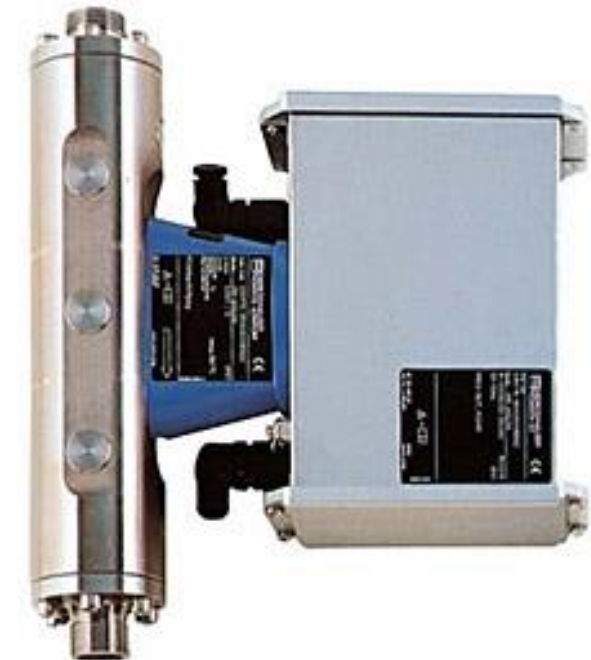
MAGNETIC FLOW METER

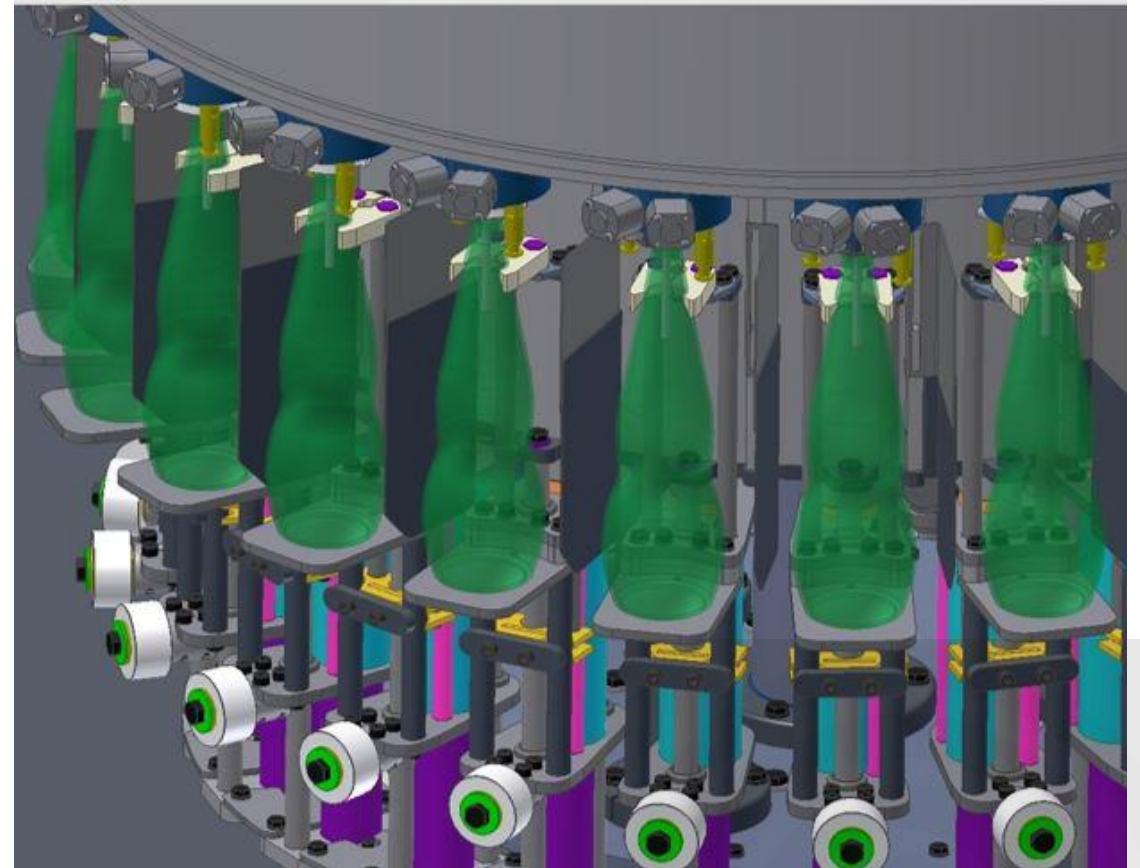
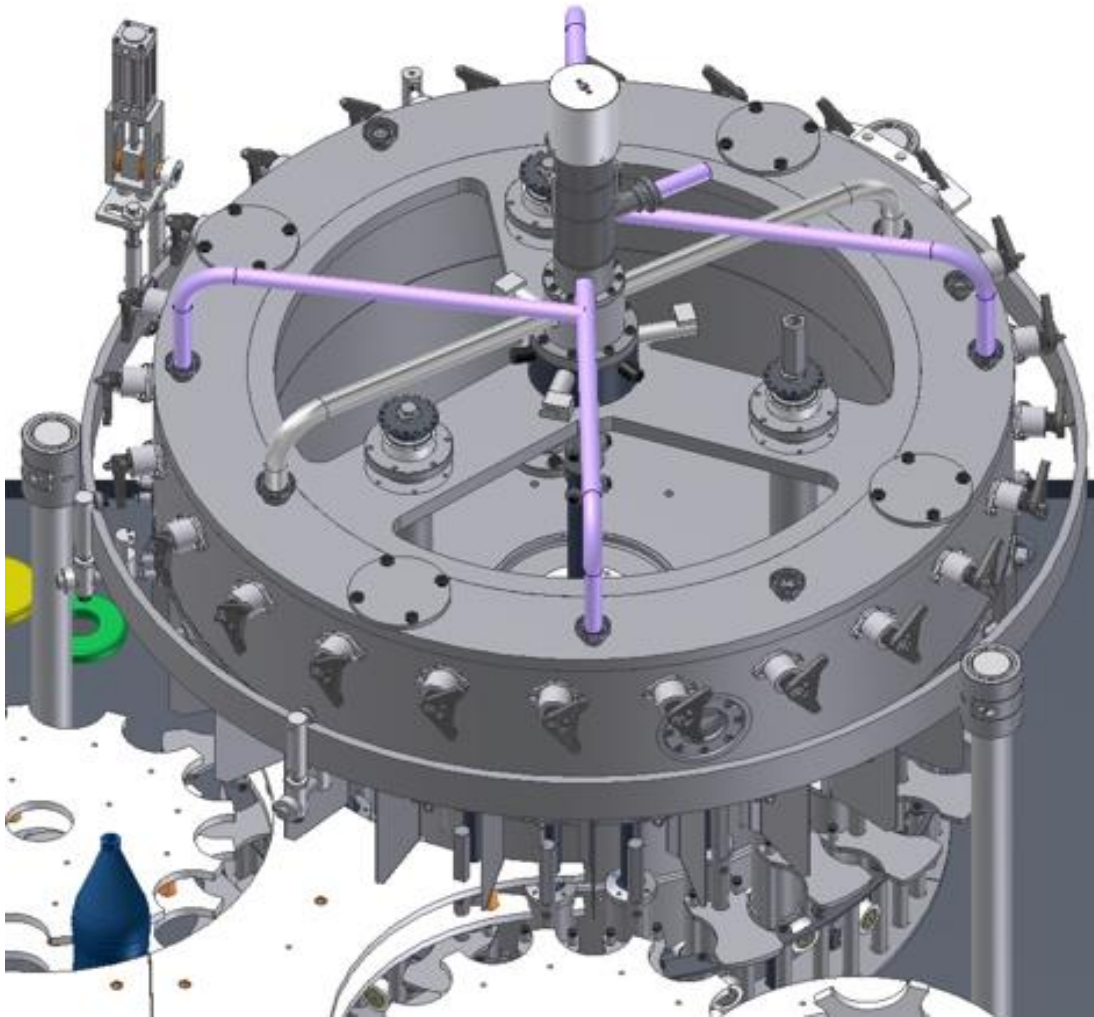
The working principle of the inductive magnetic flow meters is based on Faraday's law of induction. Each flow meter consists of a tube where the product to be dosed flows through. Around this tube a magnetic field is created. The section of the tube, the electrical conductivity of the product (minimum 5 Micro-Siemens / cm) and its speed are the parameters used for measuring. The inductive flow meters are the ideal measuring system for any kind of liquid product, including those which are thick or abrasive. The filling section has no moving parts, so the possible need for maintenance is eliminated. Magnetic volumetric flow meters counters are suitable to fill all liquid with conductivity.



ELECTRONIC – MASS FLOW METER

The working concept of the mass flow meters is based on Coriolis' principle of the controlled generation of forces. The product passes through two tubes, which oscillate at their resonance frequency. Two electro-dynamic sensors, located in the inlet and outlet of the two tubes, allow the detection and the displacements due to Coriolis' effect. With the principle of Coriolis' forces, the mass capacity can be detected independently from conductivity, density, viscosity and temperature of the liquids to be dosed. This measuring process is classified as "in line scale" and responds to the particular needs of special chemical Industry of solvent and varnish production, cosmetic, food and pharmaceutical industries. MASS volumetric flow meters counters are suitable to fill products independently from conductivity, density, thickness and temperature of the liquid to dose.





Counter-Pressure Isobaric Fillers available with mechanical or electro-pneumatic filling valves suitable for carbonated soft-drinks, sparkling water and beer in glass bottles, PET and Cans.



**Gravity air return
Valve for PET**



**Gravity air return
Valve for GLASS**



**Isobaric Electro-
Pneumatic Valve**



**Piston-Filler
Dosing Cylinder**

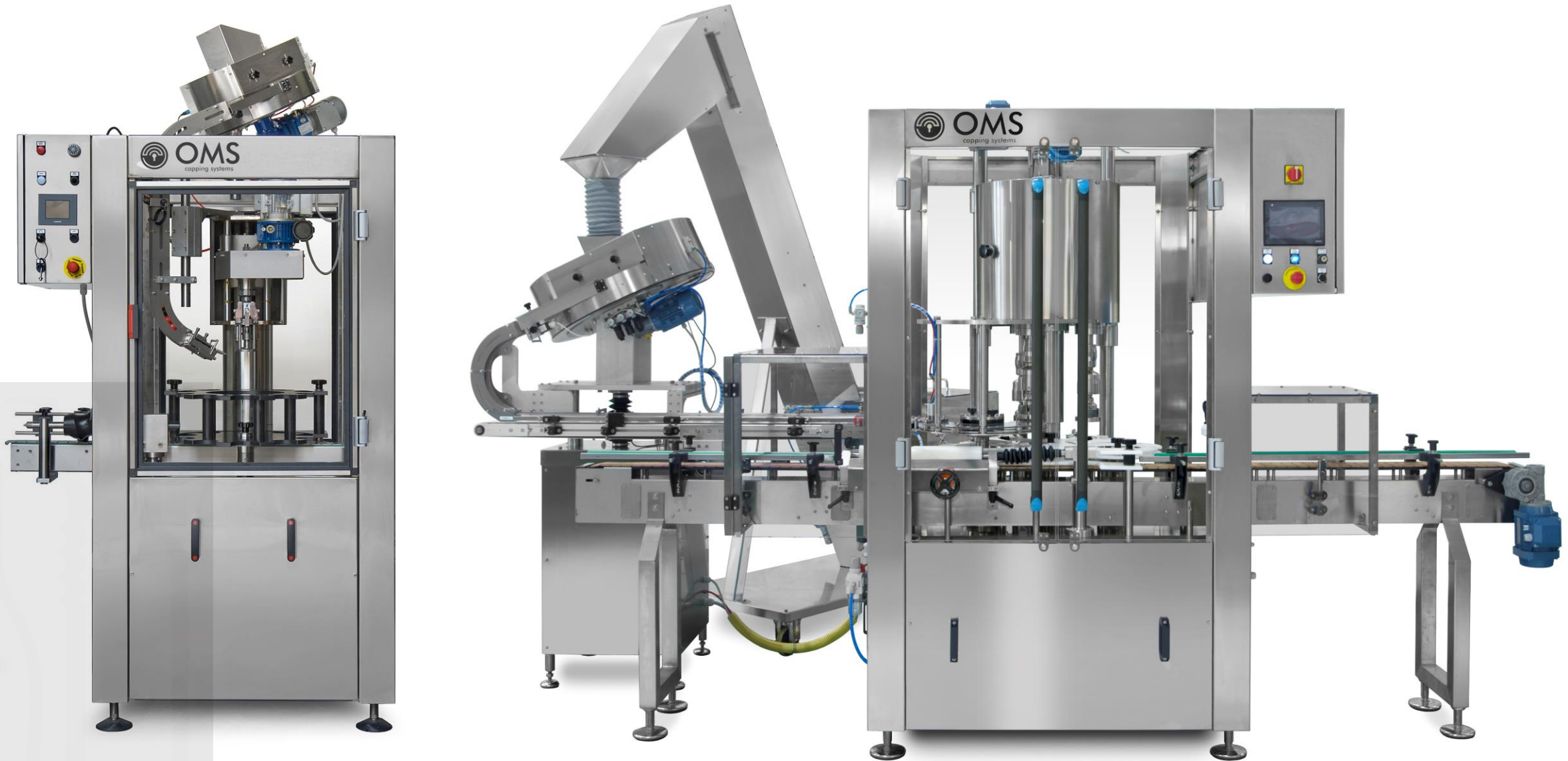


**Valve for
Electronic Flow-
Meter**

Capping Systems



OMS single-head and rotary capping machines are supplied from 1 up to 15 heads for productions up to 25.000 bottles per hour. As for the single-head cappers also the rotary capping machines are designed and produced for the closure of any type of container, with each closure system. All machines are supplied with the most modern automation systems (PLC, control panel "touch screen", remote assistance) and are available in both "turret" as in "free-standing". Key features of the rotary capping are robust, simple technology solutions but also innovative, high-quality construction and the extreme flexibility and ease of use







Single-Head or
Rotary Capping
Systems for:

- ROPP
- STELVIN
- PLASTIC SCREW
- PRE-THREADED
- PRESS-ON
- FLIP-TOP
- PUSH-PULL
- PLASTIC FLAT
- GUALA
- T-CAPS
- PUMP CAPS
- SPECIALS

CAPS FEEDING SYSTEMS



There are several choices available for taking the caps to the capper. A mechanical sorter is the most common solution, it can be mounted on top of the capper, or beside it; the choice depends on the access required for change over, the machine speed, kind of caps and application and / or if a FLIP-TOP PRESS-ON CAP orientation is necessary. Dedicated sorting discs and cap feed chutes require no further adjustment once installed.

CAPS FEEDING SYSTEMS



A cap-sorting elevator with bulk feed hopper integrated (GRAVITY FALL FEEDER) is an excellent choice for flat caps.

In either case, level sensors automatically start and stop the feeder on demand.

CAPPING HEADS

AV

ALUMINIUM CAPS – ROPP CAPS



Capping head made entirely of stainless steel and equipped with No-Cap / No-Roll safety device for closing aluminum caps



Capping head with four external independent springs made entirely of stainless steel equipped with No-Cap / No-Roll safety device for closing aluminum caps

CAPPING HEADS

VP



PRE-THREADED CAPS

When a pre-threaded cap has to be applied, the closing heads installed on the cappers are hysteresis closing heads with continuous torque. The hysteresis technology offers transmission without contact and therefore without wear. The hysteresis capping heads ensure high accuracy of repetition of the torque ($\pm 2\%$) and with their continuous closing torque (no impact), are therefore the optimal choice for the application of plastic pre-threaded caps, better suited than conventional magnetic heads with permanent magnet and with intermittent torque. The capping head limit torque can be adjusted up to 3.4 Nm. Mostly built with AISI 304 the heads have an excellent resistance to corrosion and wear

CAPPING HEADS

VP / TP / BS / DISPENSER PUMP / TRIGGER

VARIUS APPLICATION



Cap chucks always include a quick-change design and can be one piece machined chucks, magnetic chucks for metal caps, grip chucks with fingers, etc. The chuck inserts are built to suit the cap size and thus are necessary change parts.



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