



SHAPING IDEAS SINCE 1994





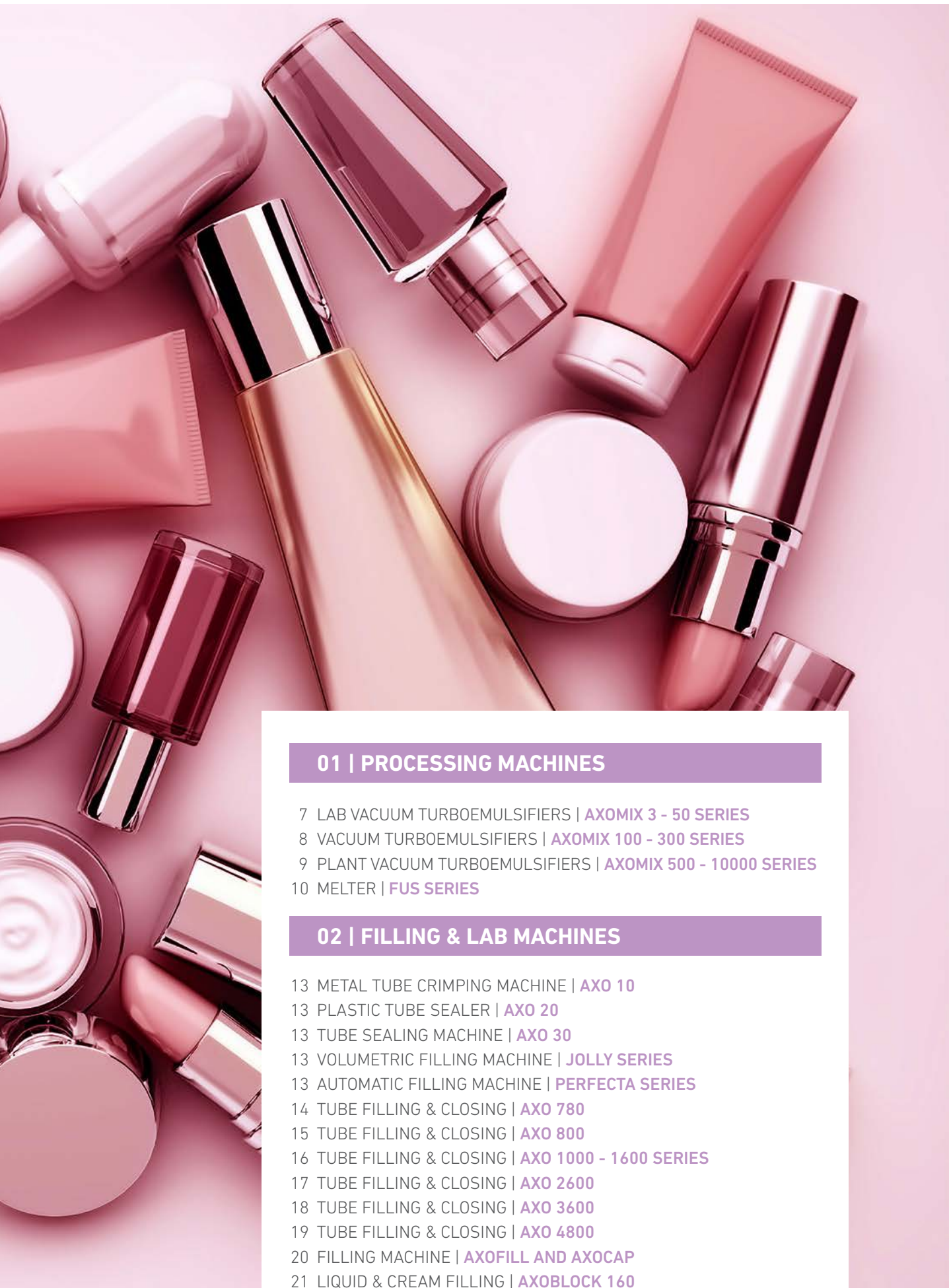
AXOMATIC
GENERAL CATALOGUE



MARCHESINI
— GROUP —

BEAUTY

beauty.marchesini.com



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AXOMATIC, NOW PART OF MARCHESINI GROUP BEAUTY, PRODUCES AND ASSEMBLES TUBE FILLING MACHINES, VOLUMETRIC DOSING MACHINES AND FILLING LINES, AS WELL AS TURBOEMULSIFIERS AND MELTERS.

The heart of Axomatic is represented by the technical and the production departments. The first one is where new projects are forged, and the existing ones managed. The second is where the company produces its own mechanical components with CNC machines for milling and turning parts, ensuring the end products it offers are of the highest quality.

The brand has numerous unique selling points, including its customer-oriented approach and the versatility and modularity of its solutions. Every customer is vital and every application deserving of the most attention. The wide range of optional features also enables

the company to meet all production requirements and customise every solution to suit the customer's needs, not just at the moment of purchase but also afterwards.

Today, Axomatic has 50 employees who over the course of the years have contributed to the sale and installation of over 4000 machines in customer factories all around the world.

In 2019, Axomatic became part of the Marchesini Group, in a move that helps to further complete the Group's range of machinery, in view of its expansion into the cosmetic sector.





PRODUCT RANGE

Axomatic machines can handle a wide range of cosmetic solutions such as: mono, two or three colour toothpastes, mascaras, lip glosses, syringes for cosmetic usage, dispensers, product for personal care, cosmetic tube solutions, creams, gels, liquid soaps and hair products.



01 | MACHINE SOLUTIONS
PROCESSING MACHINES

LAB VACUUM TURBOEMULSIFIERS

AXOMIX 3 - 50 SERIES

Turboemulsifiers especially designed to produce stable emulsions, creams, milk, gels, balms, lotions, and toothpastes all with extremely small particles for laboratories and small-scale productions.

- Optimum mixing system for raw materials
- Special geometry of the turbine and its high rotation speed (3000 rpm)
- Special sealing gaskets guarantee the impossibility to have air in the product
- Perfect temperature control
- Vacuum efficacy
- Easy cleaning
- Fast homogeniser (adj speed up to 3000 rpm)
- Adjustable speed of the Slow mixing, by inverter
- Hydraulic lifting of the cover
- Manual hand wheel for vessel tilting
- Small hopper for additive, perfumes
- Observation window with screen and lamp
- Removable spout on the vessel for product conveying when tilting
- Control panel with multi-coloured touch screen of 10", suitable for Industry 4.0
- Possibility to record recipes
- All parts coming into product contact are realized in stainless steel AISI 316L mirror polished
- Ethernet connection for remote assistance
- Optional available on request: CIP system, data printing, steam heating, etc..
- Full Atex certification (option)



RANGE

from 3 to 50 liters with
intermediate capacities

VACUUM TURBOEMULSIFIERS

AXOMIX 100 - 300 SERIES

The AXOMIX turboemulsifier is a “three coaxial agitation system” especially designed for the production of stable emulsions, creams, milk, gels, balms, lotions, ointments, toothpastes having extremely small particles.

- Rotating slow mixing, with electronic adjustable speed, with teflon scrapers
- Homogenising turbine (speed up to 3000 rpm)
- Control Panel T&S colour kind to show all the main machine functions, suitable for Industry 4.0
- Hydraulic lifting of the cover
- Hydraulic vessel tilting to facilitate the finished product discharge
- Essences little hopper
- Central bottom valves to suck under vacuum raw material or discharge the finished product
- Inspection window to check the mixing phases
- Container insulation with external stainless steel sheeting 304L, welded and mirror polished.
- Container and mechanical seals manufactured to withstand positive product pressure
- Printing of production data by USB port
- External product recirculation loop (option)
- Check weighers (option)
- Heating by steam (option)
- Cleaning system by spray balls (option)
- Up to max of 3 bar positive pressure to facilitate the product discharge (option)
- CFR 21 part 11 (Option)
- Validation documentation DQ/IQ/OQ/PQ (Option)
- Full Atex certification (option)



RANGE

from 100 to 300 liters with intermediate capacities

PLANT VACUUM TURBOEMULSIFIERS

AXOMIX 500 - 10000 SERIES

The AXOMIX turboemulsifier is especially designed to mix emulsions with a liquid or creamy consistency for the skincare, make-up and healthcare markets.

- Machine body covers and electrical cabinet completely made in Stainless Steel AISI 304L
- Manual Piston Suction/Discharge valves positioned on the bottom of the mixer
- Pneumatically servo-driven valve from HMI (option)
- Fast mixing electronically adjusted by inverter up to 3000 rpm
- Hydraulic lifting and lowering of the cover and the vessel
- Heating system by thermoregulated heating elements positioned in separated tank
- Technologically advanced HMI, with Ethernet port to download the main machine process data and record of recipes
- Powerful "Liquid Ring" vacuum pump, equipped with solenoid safety valve on the water inlet
- Industry 4.0 ready
- Heating by Steam (option)
- CIP system by spray balls (option)
- Check-Weigher (option)
- Container and mechanical seals manufactured to withstand positive product pressure up to max of three bar to facilitate the product discharge (option)
- External product recirculation (option)
- CFR 21 part 11 (option)
- Validation documentation DQ/IQ/OQ/PQ (option)
- Full Atex certification (option)



RANGE

from 500 to 10000 liters with intermediate capacities

MELTER FUS SERIES

The mixers of the FUS series are accessories for vacuum turboemulsifiers, useful to complete the production process, and available in different solutions for mixing, dispersion or storage.

- Machine body covers completely made in Stainless Steel AISI 304L mirror polish finished
- All parts coming into product contact are realised in stainless steel AISI 316L mirror polished
- Electronical adjustment speed of the slow anchor by inverter
- Expansion hopper for the compensation of the oil volume during the heating phase
- Temperature controlled by a thermoregulator and probe positioned directly on the base of the tank
- Cover divided in two parts to better control the process
- Easy oil discharge for machine maintenance
- Revolving wheels for an easier machine movement (option)
- Steam heating (option)
- Spray balls for machine cleaning (option)
- Full Atex certification (option)



RANGE

from 20 to 5000 liters with intermediate capacities





02 | MACHINE SOLUTIONS
FILLING & LAB MACHINES

METAL TUBE CRIMPING MACHINE AXO 10

FEATURES

- Manual machine without electricity or compressed air
- Tube coding with LOT or EXP date



PLASTIC TUBE SEALER AXO 20

FEATURES

- Codes 4 tubes simultaneously for production cycle
- Max. diameter: 50 mm (coding option)



TUBE SEALING MACHINE AXO 30

FEATURES

- Hot air sealing device for plastic and laminated tubes
- Max. tube diameter: 50 mm coding and trimming station



VOLUMETRIC FILLING MACHINE JOLLY SERIES

FILLING RANGE

- Supplied with one filling nozzle on wheels or tabletop
- Filling Range: 10 - 1100 ml



AUTOMATIC FILLING MACHINE PERFECTA SERIES

FILLING RANGE

- Filler for stable containers, liquids and thick products
- Filling Range: 25 - 1000 ml



TUBE FILLING & CLOSING

AXO 780

Semi-Automatic filling and closing machine for metal, laminated and plastic tubes.

- Manual tube loading
- Automatic product feeding to the hopper, by pump
- Dosing system by injector with a stroke of 70 mm
- All products contact parts assembled with sanitary tri-clamps for easy disassembly
- Filling nozzle with no-drop device
- Metal closing head for metal tubes, with simple or double folds
- Sealing unit head, for plastic and laminated tubes, by hot air
- Automatic tube ejection
- Simple and Quick format changes and adjustment without tools
- High flexibility and low operating costs
- Alphanumeric machine function display T&S of 10", suitable for Industry 4.0
- Number of turntable stations: "8"
- Automatic tube orientation (optional)
- Full Atex certification (option)



OUTPUT

Up to 2.400 tubes/hour

PRODUCT RANGE

Metal tube diameter: 13,5 mm - 42 mm

Plastic tube diameter: 13,5 mm - 50 mm

Tube length, cap included: 70 mm - 250 mm

Filling range: 3 ml - 250 ml (450 ml option)



TUBE FILLING & CLOSING

AXO 800

Automatic tube filling and closing machine for filling and closing of Aluminium, Polythene or Metal tubes.

- Automatic tube loading from the tray
- Accurate automatic tube orientation by registration mark scanner
- Automatic filling with mechanical dosing system
- Diving nozzle for an accurate dosage of the bottom of the tube, fixed stroke 70 mm
- Hot air sealing system for polythene, laminated and polyfoil tubes
- Easy cleaning of all parts in contact with the product
- Possibility to realise customised sealing systems
- Alphanumeric machine function display T&S of 10", suitable for Industry 4.0
- Number of Turntable stations: "8"
- Full Atex certification (option)
- More optionals available on request



OUTPUT

Up to 3.800 tubes/hour

PRODUCT RANGE

Metal tube diameter: 13,5 mm - 42 mm (50 mm option)

Plastic tube diameter: 13,5 mm - 50 mm (60 mm option)

Tube length, cap included: 70 mm - 250 mm

Filling range: 3 ml - 250 ml (450 ml option)



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TUBE FILLING & CLOSING AXO 1000 - 1600 SERIES

Automatic filling and closing machine for metal, laminated and plastic tubes.

- Machine body covers, electrical cabinet completely in Stainless Steel AISI 304L
- Electric control cabinet integrated in the machine perimeter, with easy access to all machine devices.
- New hot air sealing device with low air consumption
- Sealing head for metal tubes by single, double and saddle fold
- Accurate automatic tube orientation by registration mark scanner
- Device for nozzle cleaning and closing by compressed air (no-drop system)
- 130 mm diving nozzle stroke for a bottom up better filling of the product, with adjustable stroke
- Alphanumeric machine function display T&S of 10", suitable for Industry 4.0
- Centralised lubricant system for an easy maintenance program
- Record up to 100 different recipes
- Up to 16 turntable stations
- Bar code reading device (option)
- Special injectors for bi-colours, or three colours toothpaste (option)
- Ergonomic tube loader (option)
- Full Atex certification (option)
- More optionals available on request



OUTPUT

Up to 6.000 tubes/hour

PRODUCT RANGE

Metal tube diameter: 13,5 mm - 42 mm (50 mm option)

Plastic tube diameter: 13,5 mm - 50 mm (60 mm option)

Tube length, cap included: 70 mm - 250 mm

Filling range: 3 ml - 250 ml (450 ml option)

TUBE FILLING & CLOSING

AXO 2600

Automatic filling and closing machine for metal, laminated and plastic tubes.

- Machine body covers, electrical cabinet completely in Stainless Steel AISI 304L
- Control panel touch&screen with all the main machine functions, suitable for Industry 4.0
- Ergonomic tube loader of big capacity
- No-tube no-filling control device, actuated by electronic sensor
- Accurate automatic tube orientation by registration mark scanner
- Two independent dosing groups driven by separated servomotors
- Easy cleaning of all parts in contact with the product
- New hot air sealing system with low air consumption
- Two diving nozzles for an accurate dosage of the bottom of the tube, adjustable stroke 130 mm
- Possibility to realise customised sealing systems
- Special application to fill 2 or 3 colors toothpaste, canula tubes, syringes, lip gloss and mascara
- Number of Turntable stations: "26"
- Machine in compliance with CFR 21 PART 11 with audit trail (option)
- Full Atex certification (option)



OUTPUT

Up to 12.000 tubes/hour

PRODUCT RANGE

Metal tube diameter: 13,5 mm - 42 mm (50 mm option)

Plastic tube diameter: 13,5 mm - 50 mm

Tube length, cap included: 70 mm - 250 mm

Dosing range: 3 ml - 250 ml



Made by



TUBE FILLING & CLOSING

AXO 3600

Automatic tube filling and closing machine for filling and closing of Aluminium, Polythene or Metal tubes.

- Ergonomic tube loader of big capacity
- Machine body covers, electrical cabinet completely in Stainless Steel AISI 304L
- Electric control cabinet integrated in the machine perimeter, with easy access to all machine devices
- Automatic tube print registration from the bottom
- Control panel touch&screen with all the main functions, suitable for Industry 4.0
- Three Independent dosing groups made in Stainless Steel AISI 316L, driven by separated servomotors
- Easy cleaning of all parts in contact with the product by sanitary tri-clamps
- Three diving nozzles for an accurate dosage of the bottom of the tube, adjustable stroke 120 mm
- New hot air sealing system with low air consumption for polythene, laminated and polyfoil tubes
- Tube cleaning by a blow of filtered air and suction of the small particles
- Possibility to realise customised sealing systems
- Number of Turntable stations: "36".
- Machine in compliance with CFR 21 PART 11 with audit trail (option)
- Special group "Cleaning in place" (option)
- Full Atex certification (option)



OUTPUT

Up to 13.000 tubes/hour

PRODUCT RANGE

Dosing range: 3 ml - 250 ml

Metal tube diameter: 13,5 mm - 42 mm

Plastic tube diameter: 13,5 mm - 50 mm

Tube length, cap included: 70 mm - 220 mm



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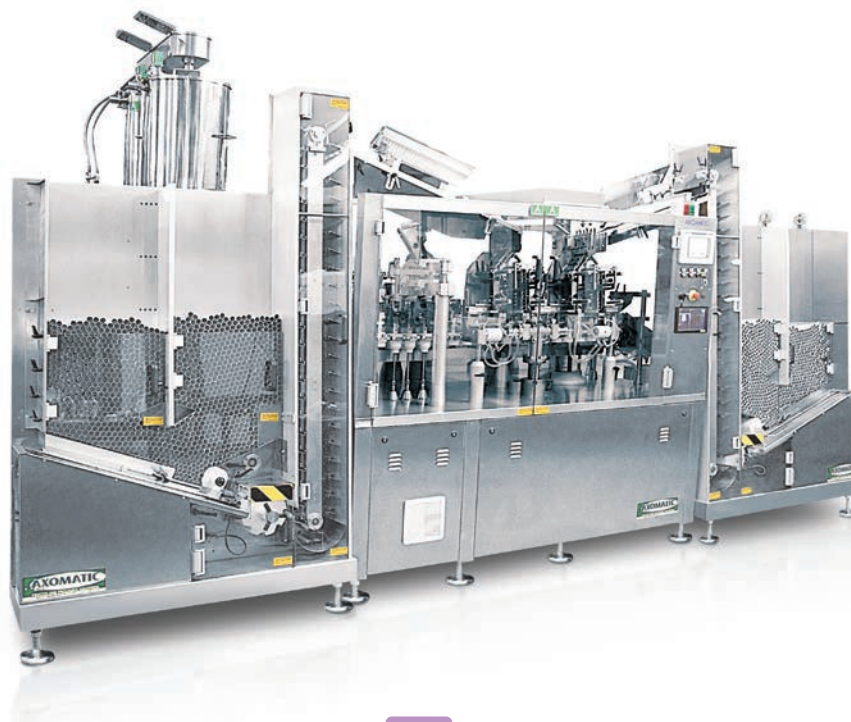


TUBE FILLING & CLOSING

AXO 4800

Automatic Tubes Filling and Closing Machine capable of filling liquid, semi-viscous and viscous products into collapsible metal, plastic and laminate tubes

- Machine body covers, electrical cabinet completely in Stainless Steel AISI 304L
- Electric control cabinet integrated in the machine perimeter, with easy access to all machine devices
- Two ergonomic tube loaders of big capacity for feeding tube from tray
- Accurate automatic print registration driven from the bottom (F.D.A Rules) by n. 4 photocells
- Control panel touch&screen with all the main functions, suitable for Industry 4.0
- Four independent dosing groups made in Stainless Steel AISI 316L, driven by separated servomotors
- Easy cleaning of all parts in contact with the product by sanitary tri-clamps
- Four diving nozzles for an accurate dosage of the bottom of the tube, adjustable stroke 120 mm
- New hot air sealing system with low air consumption
- Tube cleaning by a blow of filtered air
- Possibility to realise customised sealing systems
- Number of turntable stations: "48"
- Machine in compliance with CFR 21 PART 11 with audit trail (option)
- C.I.P. System for the dosing groups (option)
- Full Atex certification (option)



OUTPUT

Up to 16.500 tubes/hour

PRODUCT RANGE

Dosing range: 3 ml - 250 ml

Metal tube diameter: 13,5 mm - 40 mm

Plastic tube diameter: 13,5 mm - 50 mm

Tube length, cap included: 70 mm - 220 mm



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FILLING MACHINE AXOFILL AND AXOCAP

Stable bottles automatic linear filling and capping line for liquid and cream products.

- Machine frame completely realized in AISI 304L
- Containers carriage conveyor belt with adjustable guides for containers feeding to the filling machine
- Linear filling group with two or four dosing systems
- Injector with adjustable stroke up to 160 mm, for a better filling from bottom
- Anti-drop filling system
- Filling systems by syringe for liquids of easy interchangeability
- Parts in contact with the product in AISI 316L
- Easy and tools-free disassembling of the dosing groups
- Dock -station with trolley for easy changeover with a clean set of parts in contact with product
- Conveyor belt interfaced between filling and capping machine, to allow the operator to feed manually the under-cap and cap
- Outlet belt to which can be connected a labelling machine, ink jet or laser or a cartoning machine or simply a rotating table.
- Alphanumeric machine functions display touch&screen 10" suitable for Industry 4.0
- Manual containers loading by the operator directly on the conveyor belt or by Inlet rotating table (option)
- Full Atex certification (option)



OUTPUT

Up to 40 pieces/min

PRODUCT RANGE

Container diameter: 30 mm - 100 mm

Container height: 50 mm - 300 mm



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LIQUID & CREAM FILLING

AXOBLOCK 160

Alternate movement automatic filling and capping machine with transport wheel for stable and not stable bottles with pucks for liquid and cream products.

- Machine frame completely realized in AISI 304L
- Manual loading from the operator, directly on the belt
- Filling unit with volumetric dosing pump and linear movement by servo motors
- Filling nozzle with "No Drop System"
- Diving nozzles for bottom-up filling (200 mm stroke adjustable) driven by servo motor
- Depucker system for product unloading
- Screwing unit driven by servo motor
- Dosing system for liquids and thick products
- Simple and quick format changes and adjustment without tools
- Alphanumeric machine functions display touch&screen 10" suitable for Industry 4.0
- Robotic cap pick and place (option)
- Full Atex certification (option)
- More optionals available on request



OUTPUT

Up to 40 pieces/min

PRODUCT RANGE

Container diameter: 30 mm - 100 mm (110 mm option)

Container height: 40 mm - 285 mm (300 mm option)



Made by







TURBOEMULSIFIERS, MELTERS, FILLING MACHINES AND MORE...

Axomatic engineers are kept constantly up to date in relation to new technologies to elevate the mechanical engineering expertise to ever higher levels. High technology and craftsmanship are combined for in-house construction of 100% of the mechanical parts of Axomatic machines.

The technical specifications given in this catalogue are subject to change without prior notice or liability. Size range may vary in accordance with the different applications. Axomatic constantly updates its products to meet market needs.



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