



FILLING AND DOSING MACHINES







INDEX

4 • *Our company*

6 • *Automatic Filling Machines*

10 • *Rotary Filling Machines*

11 • *Cappers*

12 • *Rotating Tables*

14 • *Linear Accumulation Tables*

15 • *Thermosealings*

16 • *Manual Filling Machines*

20 • *Transfer Tapes*

22 • *Accessories*

A modern office interior featuring a large skylight on the ceiling, industrial-style pendant lights, and a long wooden reception counter in the foreground. In the background, two people are working at a desk.

OUR COMPANY

ZEFA has been producing precision mechanical components for over 40 years with passion for very demanding sectors in terms of quality.

This has led us to constantly invest in the structure, staff and equipment, creating a true 4.0 reality capable of satisfying the new challenges that the market proposes every day.

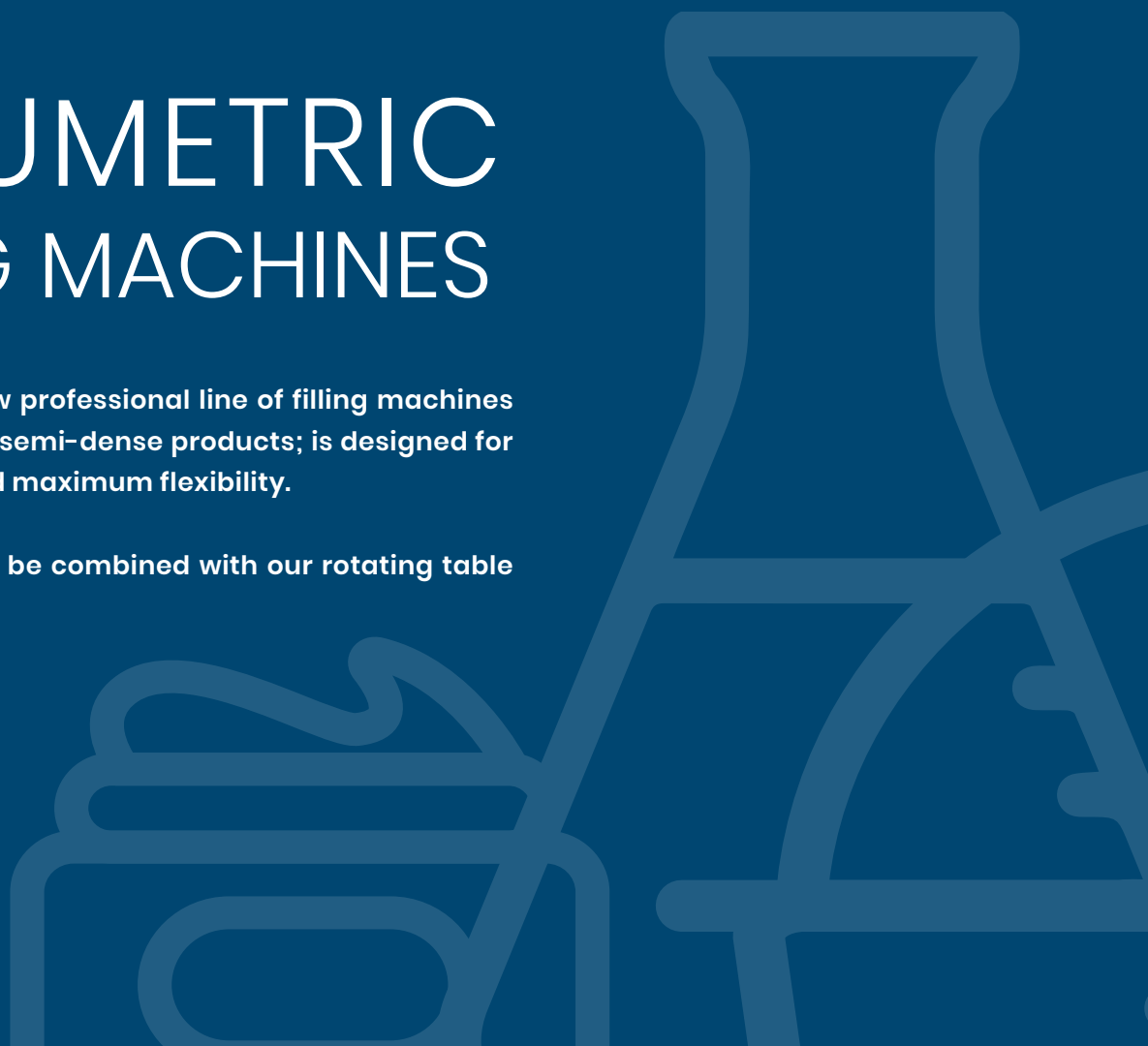
The use of CAD / CAM and 3D control tools, together with the latest generation CNC machines, allow us to ensure high quality standards with a main focus: customer satisfaction. The internal production allows us to build all the components installed on our machines with the awareness of quality in order to supply all the spare parts in a short time.

Our products are manufactured according to CE regulations, dir. machinery law “42/2006/EEC” and subsequent amendments or additions.

VOLUMETRIC FILLING MACHINES

Zefa Filling is our new professional line of filling machines for liquid, dense and semi-dense products; is designed for companies that need maximum flexibility.

These machines can be combined with our rotating table and cappers.





AUTOMATIC FILLING MACHINES

AUTOMATIC DOSING MACHINE «DSCN04T1000»

ZEFA automatic filling machines are compact, quick in format change managed by brushless motor and agile on production, reaching 40 pieces per minute.

The settings are realized through a touch screen control panel that permit rapid recall of recipes.

SUITABLE FOR THE FOLLOWING SECTORS

Food



Cosmetic



Chemist



Pharmaceutical



TECHNICAL FEATURES

- 1000 ml dosing cylinder in 316L stainless steel.
- Dosing and aspiration speeds separately adjustable.
- 12" Touch Screen control panel.
- Positioning encoder at start-up to execute the "machine zero".
- Latest generation Aisi 316 taps with the possibility of quick change of nozzles.
- Format changeover managed by PLC through electric motor.



- 316L stainless steel dosing nozzles, with quick connection to the taps.
- Product loading hopper Lt. 45.
- Operation of the Load Pump managed by the PLC.
- Compressed air: 6/8 bar.
- Electric connection: 220 V.
- Product pump management: 380 V.









ROTARY FILLING MACHINES

AUTOMATIC DOSING MACHINE «DSRP01T0150»

ZEFA rotary filling machines allow to manage automatically all the filling process, capping and labelling.

SUITABLE FOR THE FOLLOWING SECTORS

Food



Cosmetic



Chemist



Pharmaceutical



TECHNICAL FEATURES

- Structure made of satin-finished AISI 304 stainless steel.
- Dosing cylinder from 10 to 150ml.
- Bottle Automatic feeding.
- Cap and undercap Automatic Insertion.
- Cap screwing.
- Labeling.
- Dosing and aspiration speeds separately adjustable.
- Control panel.

CAPPERS

SINGLE HEAD CAPPER «TPOIT»

The ZEFA single-head cappers are made specifically for the needs of capping of various formats and are installed stand alone to be inserted on existing lines or on new lines.

Built with a robust structure in AISI 304, thanks to the high construction qualities, they are characterized by flexibility and easy to use.

SUITABLE FOR THE FOLLOWING SECTORS

Food



Cosmetic



Chemist



Pharmaceutical



TECHNICAL FEATURES

- Independent capper with base completely made of satin-finished AISI 304 stainless steel.
- Independent conveyor belt.
- Screwdriver with ascent and descent managed by a brushless motor.
- Torque management.





ROTATING TABLES

«TART 1200»

The ZEFA Rotary Tables are made entirely of stainless steel.

The adjustment of speed and format change are managed by a potentiometer and inverter.

SUITABLE FOR THE FOLLOWING SECTORS

Food



Cosmetic



Chemist



Pharmaceutical



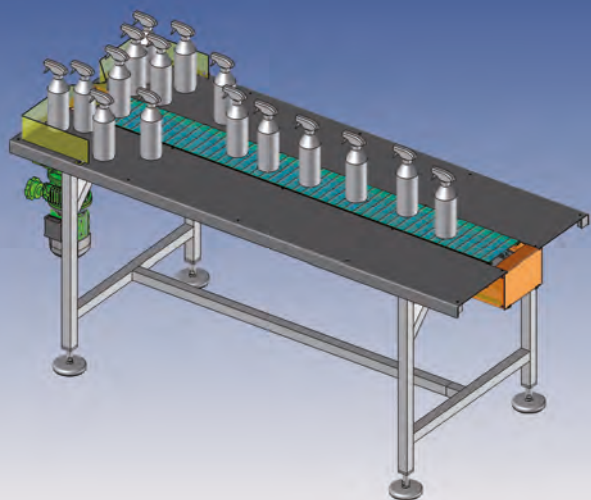
TECHNICAL FEATURES

- Structure made of satin-finished AISI 304 stainless steel.
- Electric panel with inverter for speed adjustment.
- Emergency button in a comfortable position.
- Anti-vibration stainless steel feet.
- Motor and gearbox powered at 220 V.

OPTIONAL

- Loading plan – Small version
- Loading plan – Wide version
- Linking kit automatic filling machine/Rotary table

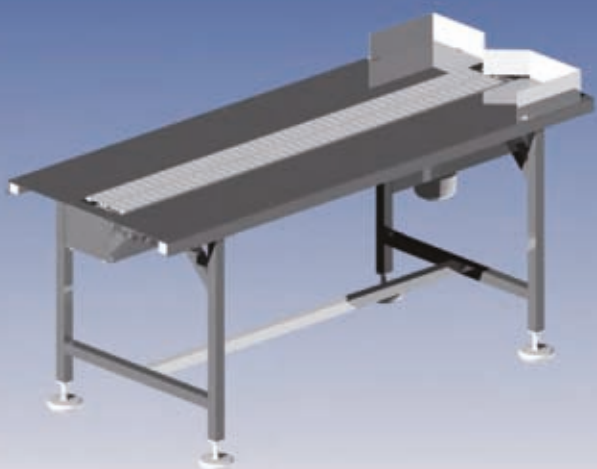




LINEAR ACCUMULATION TABLES

«TALN2000»

ZEFA Linear Accumulation Tables are manufactured completely in stainless steel and allow the regulation of the speed in an easy way by potentiometer or inverter.



SUITABLE FOR THE FOLLOWING SECTORS

Food



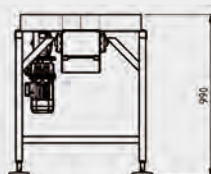
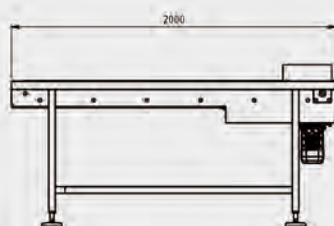
Cosmetic



Chemist



Pharmaceutical



TECHNICAL FEATURES

- Structure made of satin-finished AISI 304 stainless steel.
- Electric panel with inverter for speed adjustment.
- Emergency button in a comfortable position.
- Anti-vibration stainless steel feet.
- Motor and gearbox powered at 220 V.



THERMOSEALINGS

SINGLE-HEAD THERMOSEALING «TS01T»

ZEFA single-head thermosealing are specifically made for the sealing needs of various formats and are stand-alone installed in order to be inserted on existing lines or on new lines.

Built with a robust structure in AISI 304, thanks to the high construction qualities, they are characterized by flexibility and easy to use.

SUITABLE FOR THE FOLLOWING SECTORS

Food



Cosmetic



Chemist

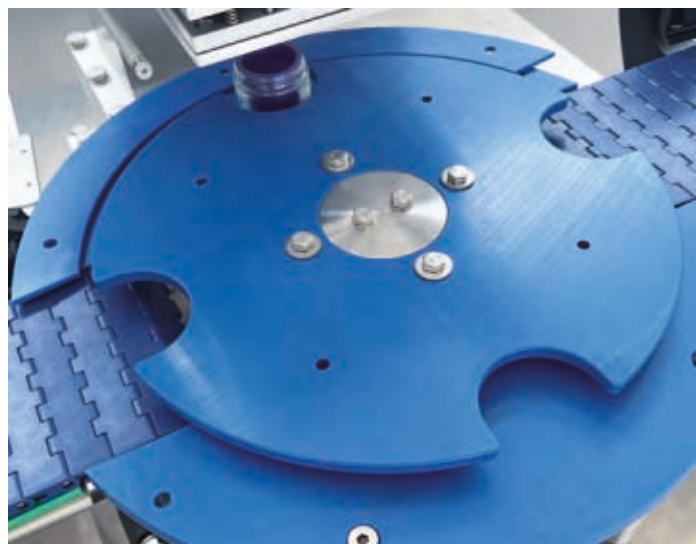
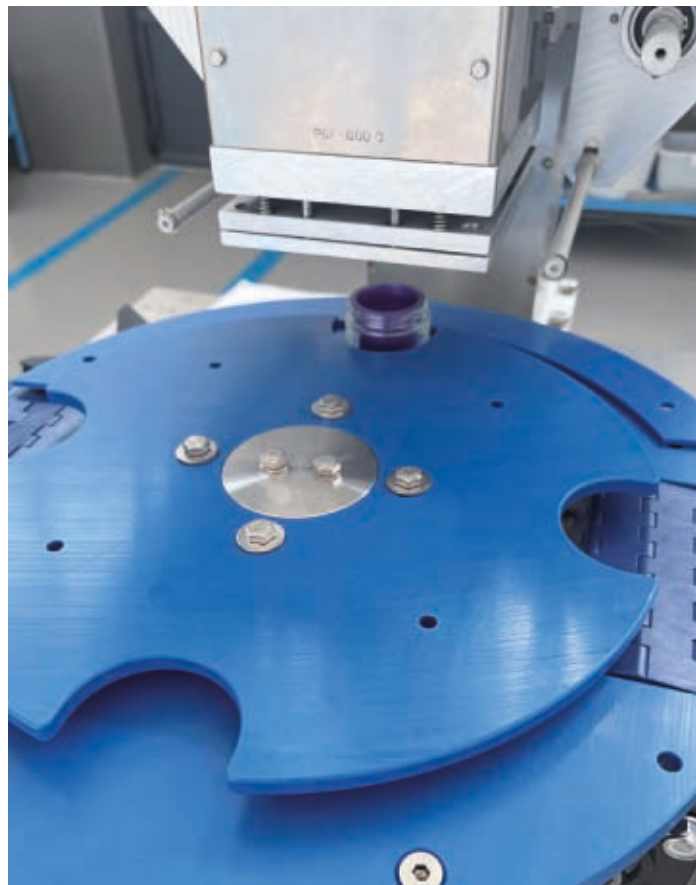


Pharmaceutical



TECHNICAL FEATURES

- Independent Thermosealing with base completely made of satin-finished AISI 304 stainless steel.
- Independent bottle transport star.
- Welding head managed with a touchscreen panel.





MANUAL FILLING MACHINES

VOLUMETRIC DOSING MACHINE «DSDB01T1000»

The ZEFA manual fillers allow the customer to dose the product in an agile way adjusting the volume and managing the manual or automatic dosing function through a selector.

Our line of accessories allows you to insert them into different production solutions.

SUITABLE FOR THE FOLLOWING SECTORS

Food



Cosmetic



Chemist



Pharmaceutical



The dosages of liquid, creamy and thick products are fast and precise.

The construction components are in AISI 316 steel in order to be in contact with the product to be dosed.

The «ultraclean» construction allows the sanitization of all the parts in an easy and quick way.

The dosing volume is adjusted by regulating the rear cylinder and the delivery and suction speed can be sensibly adjusted.

Having compact dimensions it can be easily integrated even on automatic systems.

Many special applications are carried out, where the customer can find countless customized solutions.

TECHNICAL FEATURES

- Machine weight: 55 Kg.
- Hopper weight: 10 Kg.
- Power supply: 6 - 8 bar.
- Doser: max 1000 ml.
- Cycle: Manual or Automatic.
- Seals: Virgin PTFE for food contact.
- Production: about 900 pcs./h (variable according to the viscosity of the product).





IES







TRANSFER TAPES

**BELT TAPE WITH SUPPORT
«NSTPCS7000»**

**SIDE STRAP TAPE WITHOUT
«NSCLSB0300»**

In order to accompany the containers in a calibrated way on different work surfaces, they allow micrometric measurements for widths, heights and inclinations.

All parts in contact with the product are in 304L stainless steel or approved materials, which can be easily disassembled and inspected for cleaning.

SUITABLE FOR THE FOLLOWING SECTORS

Food



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Pharmaceutical

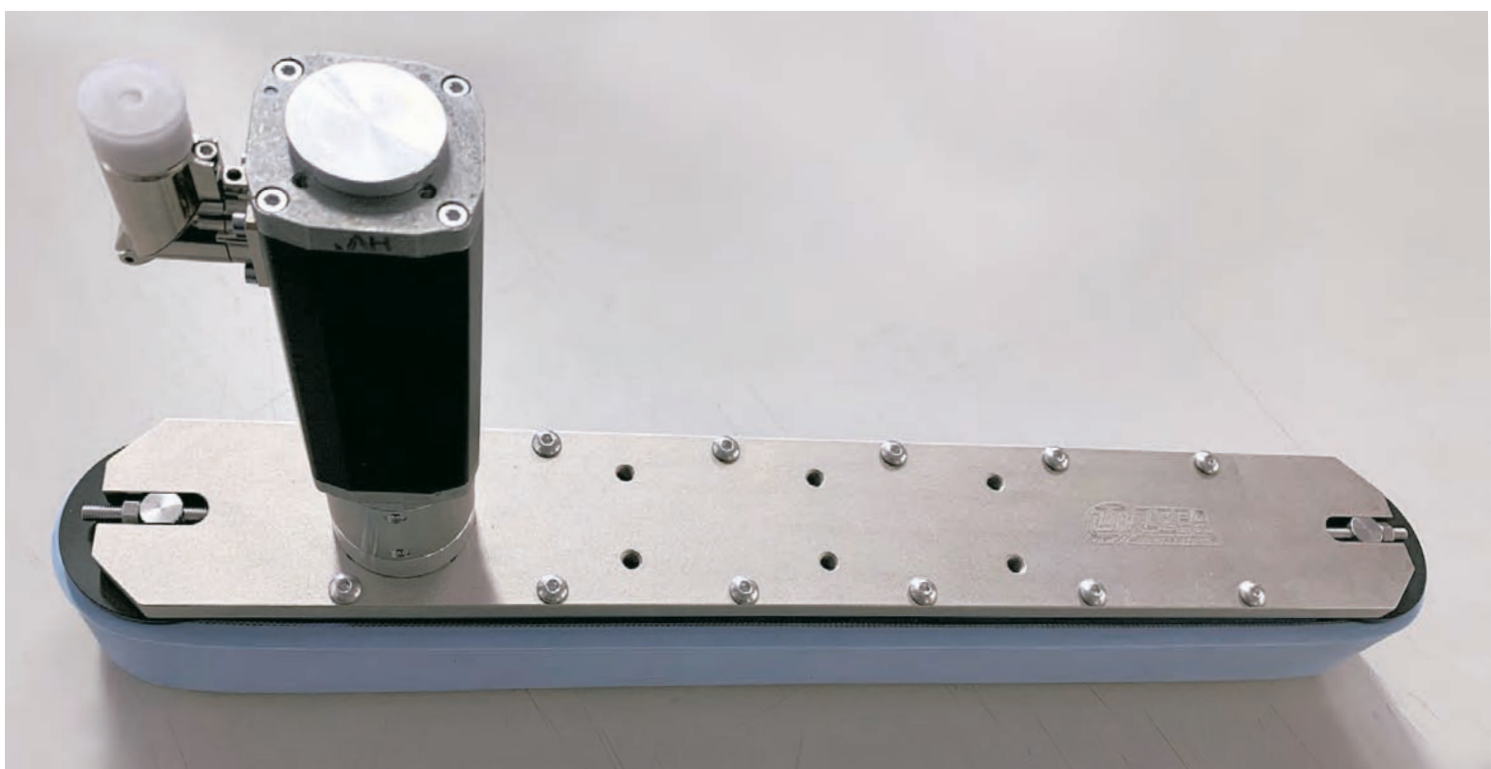


TECHNICAL FEATURES

- Custom design and layout on request.
- Structure with adjustable feet in AISI304 stainless steel with satin surface, complete with electrical system inside a dedicated stainless-steel compartment.
- Independent operation and speed regulation of each motor by means of potentiometers.



- Infeed and outfeed belt with adjustable belts in width.
- Belt conveyor with double guides adjustable in height and width.
- Independent On/Off for each belt with individual speed adjustment via potentiometers.
- Quick tangential, longitudinal and height adjustments by means of clamps to grasp different shapes of suspended bottles and bring them on the belt conveyor.
- Straps in silicone material for a better grip and avoid the deterioration of the bottles.
- Arrangement for product output in the straight section of the belt conveyor.
- Emergency button installed on stainless-steel boxes.
- Predisposition with overflow sensor.
- PLC, Inverter, Power Supply.
- Electric connection: 220 V.



ACCESSORIES

FEED PUMPS

PAL00700
HOPPER FEED LOBE PUMP 700 L/H

PAL01800
HOPPER FEED LOBE PUMP 1800 L/H

PAL02800
HOPPER FEED LOBE PUMP 2800 L/H

ZEFA volumetric pumps are used to feed the hoppers of dosing machines and allow the transport of liquid, dense and semi-dense products.

Easy to maintain and sanitize they can be managed through special sensors that allow the product to be fed when required. Thanks to the inverter it is possible to adjust the speed and direction of rotation.

TECHNICAL FEATURES

PAL00700 – PAL01800 – PAL02800

- Pump body in stainless steel 316L.
- Rotor and scraper in peek.
- Mechanical seal in widia-widia.
- Connections Ø 50 or customizable.
- Maximum working pressure: 15 bar.
- Minimum rotation speed: 60 rpm.
- Maximum rotational speed: 330 rpm.
- Theoretical flow per revolution: 0.1 liter.
- Volume transported at maximum speed:
700 – 1800 – 2800 liters/hour.
- Operating temperatures from -10° Ca + 90° Ca.
- Rated engine power: 0.75 – 1.5 – 2.2 kw.
- Reversible direction of rotation with single-phase inverter on request three-phase.
- Flow rate variation by adjusting the rotation speed
- Excellent accessibility thanks to the simple construction system.
- Total weight kg: 45 – 65 – 100.

ACCESSORIES

BARRELS TURNING

«RF01250700»

Our line of automatic volumetric and manual fillers ZEFA FIL LING is enriched with a new type of accessories: the Barrels Turning.

Made entirely of stainless steel, it is equipped with the filling lines to mix the product before of the fill.

The adjustment between the rollers, allows you to manage easily the diameter change of the barrel.

TECHNICAL FEATURES

- Structure and casings entirely made in AISI 304 stainless steel.
- Adjustment of the pitch between the rollers to manage cylindrical barrels of various sizes from 100 mm. to 400 mm.
- Electrical panel with gear and stop.
- Emergency button in comfortable position.
- Anti-vibration feet.
- Motor and gearbox powered at 220 V.





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