



THOMASON

SUPPLYING THE WORLD

THE BRAND OF
HIGH QUALITY
PRODUCTS



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About Thomason

At Thomason we aim to provide the highest-quality machinery, striving to make us the leaders in the industry through individual and combined dedication innovation and integrity. We will work to guarantee our continued success by driving the success of all our stakeholders.

Since its establishment in 1977, THOMASON is one of the leading European Industrial companies in manufacturing all kind of Bottling Lines and its accessories for liquids - creams and powders for the Cosmetics - Pharmaceuticals - Food and Beverage - Dairy - Chemicals and Agrochemicals - Liquid Detergents - Edible Oils as well as Lube Oils .

THOMASON is one of the leading companies with clients in all over Arab Countries - Europe – Asia – Africa and USA basing the company success of being able to design and manufacture machines according to customer needs and specifications. The developing and studying of the machines is done by high skilled personnel and are under all European high standard materials according to CE regulations, manufactured for high performance ,precision and efficiency. Our success is also attributed to the excellent and expedite After Sales Service which we stress and consider as one of the most important factors in our company.

We undertake to train customers' technicians , handle all installations and commissioning as well as trouble-shooting and servicing activities for all customers worldwide. Research, design and development is done by our inhouse laboratory and all machines go through extensive tests before delivery.

You can count on Thomason to provide your company with solutions for modernizing existing packaging lines or installing new equipment at the most competitive prices and high efficiency.

The production lines of the company are:

- Linear and Rotary multi head filling machines for any kind of liquids - creams and powders in any shape and kind of bottles/containers
- Linear and Rotary multi head capping machines for all kind of caps
- Linear and Rotary high speed labeling machines to apply any kind of labels at any shape of bottles / containers
- Linear and rotary bottle rinsing machines for single or double treatment
- Linear and Rotary filling and thermal sealing and capping machines for yogurt, margarine and other food stuff products in cups
- Complete bottling lines, turn key projects

Thomason Machinery has more than 40 Years of Experience in this industry of manufacturing Bottling Solutions. With these years of experience we always try to give solutions to our customers about their factory plant and consult or even deliver turn-key projects to maximize and increase the overall production to achieve their missions. Customer's trust to Thomason is a serious matter.

Export Activity



- CANADA
- UNITED STATES
- UNITED KINGDOM
- FRANCE
- GREECE
- CYPRUS
- ROMANIA
- YEMEN
- PAKISTAN
- IRAQ
- BELARUS
- RUSSIA
- INDIA
- S. ARABIA
- OMAN
- EGYPT
- JORDAN
- QATAR
- LEBANON
- SYRIA
- SUDAN
- KAZAKHSTAN
- KUWAIT
- MOROCCO
- SERBIA
- MONTENEGRO
- BOSNIA & HERZEGOVINA

Core Values

- Treat our stakeholders with respect and integrity
- Drive change and innovation
- Excel for customer satisfaction
- Never be wasteful
- Execute work effectively and efficiently
- Strive for perfection



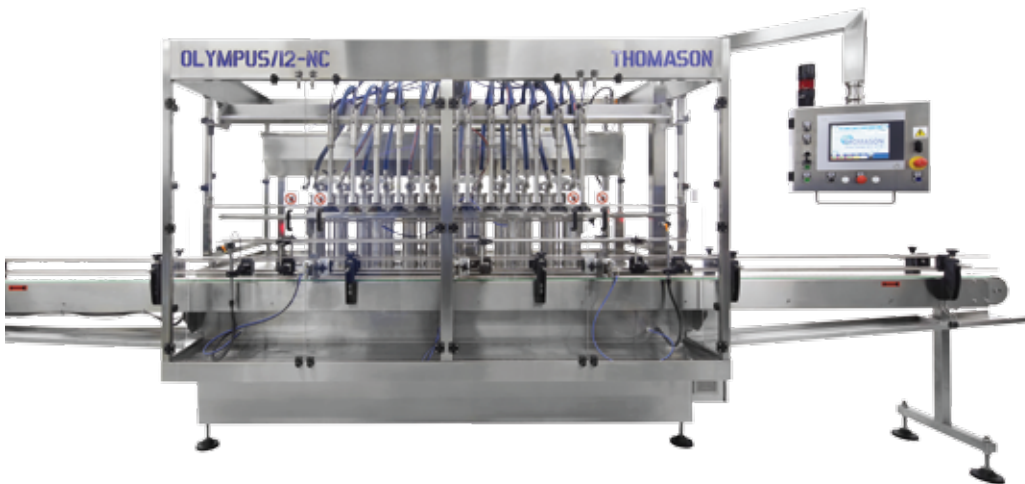
Linear Filling Solutions

Thomason can offer all types of Linear Filling systems, Volumetric, Mass Flow, Gravity and Net Weight according to the filling products, accuracy and output capacity needed. We have the ability to modify any of our standard machines and serve the customers based on their special requests and needs.

We are manufacturing all kind of machines to fill products such as, Liquid Detergents, Cosmetics, Foodstuff, Dairy, Still Water and Juices, Edible Oils, Olive Oils, Lube Oils, Pharmaceuticals, Agrochemicals, in any kind of bottle and container.

Thomason is offering ideal solutions for all those filling applications, where flexibility, easy to use, rapid change-over and automated cleaning/washing operations are considered to be of high importance.

Linear Volumetric Fillers / Model **OLYMPUS-NC**



Automatic Volumetric (Piston) Linear Filling Machine model OLYMPUS/NC, are available from Two to Fourteen Filling Heads according to the output capacity required per hour.

Suitable to fill liquid and semi-liquid products, also high viscosity products using Compensator system instead of product hopper as well as products containing small dices can be filled by using 3-way rotary filling valves. Fully automatic operation with computerized control and colored HMI touch screen 10" for user-friendly operation to adjust the machine functions and parameters, such as filling volume, filling speed, bottle height, suction speed, nozzle dive-in and upwards speed, timers e.t.c.

The machine outside frame and doors are made out of Stainless Steel 304 and all product contact parts are made out of Stainless Steel 316L. The option of the CIP cleaning connection with dummy bottles makes the cleaning process very easy and secures hygiene operation of the machine when change from one type of product to another. Easy and quick change over from one type of product to another and from one size of bottle to another. Can store unlimited formulas for easy change over.

Fault diagnostic, Product temperature control unit and auto volume adjustment according to the product temperature (as optional). Ethernet connection for technical assistance on line from our technical department. Motorized operation for the movement of the volumetric cylinders and filling heads incorporate with linear encoders for high filling accuracy and smooth operation. Nozzles dive-in Filling process for difficult and foaming products which eliminates the risk of product spillage during the filling process.

All OLYMPUS models can be offered and built for the Hazardous Duty filling applications. Explosion proof versions of this machine are suitable to handle all those products classified as potentially Hazardous and can be supplied and certified in full compliance with European Standards. For difficult and unstable bottles we are offering bottle pockets filling system with endless return conveyor and automatic bottle unloading.

Linear Mass Flow Meter Fillers / Model **OLYMPUS-MFM**



The Mass Flow Meter Linear Filling Machines model OLYMPUS/MFM, are available from Two to Twelve Filling Heads according to the output capacity required per hour.

Using the Stainless Steel Mass Flow Meters by ENDRESS + HAUSER gives the advantage of high filling precision and wide range of filling volume. Suitable to fill liquid and semi-liquid products as well as products containing small dices. Fully automatic operation with computerized control and colored HMI touch screen 10" for user-friendly operation to adjust the machine functions and parameters, such as filling volume, filling speed, bottle height, suction speed, nozzle dive-in and upwards speed, timers e.t.c. Fault diagnostic analysis, ethernet connection for technical assistance on line from our technical department. Motorized operation for the filling nozzles incorporate with linear encoder for smooth operation.

Nozzles dive in Filling process for difficult and foaming products. The machine outside frame and doors are made out of Stainless Steel 304 and all product contact parts are made out of Stainless Steel 316L. The option of the CIP cleaning connection with dummy bottles makes the cleaning process very easy and secures hygiene operation of the machine when change from one type of product to another. Easy and quick change over from one type of product to another and from one size of bottle to another. Can store unlimited formulas for easy change over. For difficult and unstable bottles we are offering bottle pockets filling system with endless return conveyor and automatic bottle unloading.

Linear Compact Monoblock Fillers / Model **OLYMPUS-C+1R**



The Compact Monoblock , LINEAR liquid filling machine is available from Two to Eight Filling Heads with the option of Volumetric filling system or Mass Flow Meter filling system and Capping machine with indexing star-wheel, with One Robot type (pick and Place) Capping head for Plastic Screw caps or Push-On.

The filling and capping unit are on a common Base connected with a single conveyor for minimized area. Suitable to fill liquid and semi-liquid products in HPDE - Plastic PET - Glass bottles from 100ml to 5000ml. The operator feed the bottles manually or automatically on the inlet conveyor and the bottles go in the filling area. The counter counts the bottles and the air-gates stop them under the filling nozzles.

The next bottles come under the filling nozzles and the process is repeated. Once the filled bottles go to the capping area, they are entered one by one in the star-wheel and moved step-by-step (indexing), under the capping head. The Robot Capping head collect the cap from the cap belt conveyor by Pick and Place system and place it on the bottle neck and closed by means of Push-on or Screw-on.

The bottles neck are centered and then the filling nozzles dives-in the bottles and the filling cycle starts with bottom-up filling process. When the programmed volume/mass is filled, the filling nozzles goes up and the drop tray goes under the filling nozzles to collect any drop of product (if there is) to make sure that no product drops will dirty the bottles. Then the air-gates open to allow the bottles to leave from the filling area and go to the capping area.

Safety photocells on the conveyor between the filling and capping area to control if there is any bottle blockage between the two areas to stop the flow of the bottles from the filler to the capper and restart automatically when the blocked bottles continues the normal flow. Very simple to adjust the machine from one size of bottle to another.

Linear Net Weight Fillers / Model **HERMES**



Thomason Automatic Monoblock Linear Weight Filling and Closing Machine model HERMES, with single lane conveyor, Four Filling Heads and one closing head.

The first Three Heads fill the product by timer and the fourth Filling Head fills the final portion by net weight system. This machine is suitable to fill liquid products in plastic jerry cans or metal containers from 5 to 25 litres and is for low production requirements up to 370 containers of 20 litres/hour depending on the filling product. After the filling, on the same base, there is a Single Head Capping Unit with Pick and Place System or Direct Cap Collection to close the caps on the containers. Can be used for Plastic screw or push on caps or Metal lids with crimping system. The caps can be fed manually or automatic (by automatic cap shouter) on the Tins or Jerry Cans. The Net weight filling system ensures high filling accuracy. The same machine can be offered with twin lane system for double output which can go up to 740 containers of 200 Litres/hour.

Linear Drum Fillers / Model **APOLLON**



Thomason Automatic and Semi-Automatic Drum Filling Machines model APOLLON are available in different sizes according to the output requirements.

Several filling systems are available according to the filling product such as, Net Weight, Mass Flow Meters - Flow Meters (ENDRESS+ HAUSER). We have the ability to modify any of our standard machines and serve the customers special request and needs. The APOLLON models are designed to fill drums with products such as, Lube Oils, Grease, Edible Oils, Paints, Liquid Detergents, Chemicals in compatible with Plastic and Metal Drums up to 250 litres.

Automatic Drum Fillers

According to the output demand we can offer the Automatic Version from One to Three Filling Stations with automatic drum registration system (one for each filling station) to rotate the drums and locate the bung-hole and hold them registered during filling process. The drums are loaded manually on the inlet roller motorized conveyor and automatically goes to the filling area where the drums are register under the filling nozzles automatically and the filling process starts. Before the filling we can offer as optional automatic or semi-automatic debunged systems as well as automatic and semi-automatic Capping system after the filling while the drums are on the roller conveyors. Dive-in filling nozzles (bottom-up) filling process for foaming products (Optional) to avoid foam during filling. Output capacity from 50 to 150 drums/hour according to the number of filling stations and filling products. Stainless Steel Electric control panel with PLC and colored touch screen (6" or 10") for to control all machine operations and for easy parameters settings.

Can store unlimited formulas for quick change over from one size of product to another and the machine is adjustable to work different sizes of drums. Filling cabin can be designed as closed protective cabin with lock gates, controlled by microswitches for security, all in accordance with CE safety regulations. Stainless Steel and acid protection design available as optional. Can be extended to a complete filling line with dedicated conveyor technology and other peripheral components ATEX design is also available as optional.

Semi-Automatic Drum Fillers

APOLLON Semi-Automatic Drum Filling Machines with One Filling Station suitable to fill Lube Oils, Grease, Edible Oils, Liquid Detergents, Chemicals in compatible with Plastic and Metal Drums up to 250 litres. Several filling systems are available according to the filling product such as, Net Weight, Mass Flow Meters - Flow Meters (ENDRESS+ HAUSER) and Pump. Manual loading of the drum on the filling area and manual register of the bung-hole under the filling nozzle. Once the drums are manually registered and the bung-hole is under of filling head the operator gives a manual signal to start the filling and the filling nozzles dive in the drum (3-4cm) and the filling starts. Automatic stop of the filling when reached the required weight or volume. Double speed filling valve. Manual closing of the caps with pneumatic rotor (Optional). Manual unloading of the drum. Drum motorized conveyor to optimize the station. (Optional)



Rotary Filling Solutions

Rinsing/Filling/Capping Machines or Rotary Monoblock Filling/Capping Machines or only Rotary Filling Machines model ROMO, are available in different sizes according to the output requirements. According to the filling product we can offer different type of filling systems such as, Volumetric (Piston) - Net Weight - Mass Flow Meters - Flow Meters - Gravity - Vacuum and Pump. We have the ability to modify any of our standard machines and serve the customers special request and needs.

The ROMO models can fill products such as, Liquid Detergents, Cosmetics, Foodstuff, Dairy, Still Water and Juices, Edible Oils, Olive Oils, Lube Oils, Pharmaceuticals, in any kind of bottles and containers. Thomason is offering ideal solutions for all those filling applications where flexibility, easy to use, rapid change-over and automated cleaning/washing (CIP) operations are considered to be of high importance.

Rotary Net Weight Fillers / Model **ROMO-W**



This Monoblock is based on a Net Weight Filling System which offers a wide range of production capacities and filling weights and are perfectly suitable for Lube Oils and Edible Oils filling as well as all sectors where filling by weight is applicable, in all types of bottles and containers, Plastic-PET and Metal.

High level of filling precision of the net weight filling system guarantees clean filling process without overfills and spillages. Accurate filling process with accuracy of $\pm 0.15\%$. Weight filling system ensures no influence on net weight from Product temperature variations and containers weight variations. Each weight filling unit has its own Auto-Tara correction before each filling process. Double inlet screw is also available when is needed, to treat very difficult containers such as light shaped PET bottles. Lack of mechanical wear and consequently extremely low maintenance costs. Several types of filling nozzles are available, according to the filling products, specially designed to avoid product drops. Special centering neck grippers for correct positioning of the bottle under the nozzle. Many combinations of filling volumes starting from 0.5 liter to 20 liters bottles, jerry cans or tins and according to

the number of filling/capping heads the production can go up to 14.000 BPH depending on the bottle size. The Monoblock Filling/Capping ensures smooth transfer from the filling turret to the Multi Head Capping turret which is available for all kind of plastic caps, screw-on or push-on or metal lids with special crimping closing. Magnetic type Capping Heads (Hysteresis) with manual torque adjustment or Servo-Motor drive Capping Heads for difficult and sensitive capping applications with electronic torque adjustment from the PLC. Pick and Place Capping process is also available for most of the capping applications to ensure high performance of cap placement on the bottle neck. Possibility of synchronization with Seamer Machines, in case of metal cylindrical cans Air Rinsing or Water Rinsing turret is available on the same base as Uniblock System.

Rotary Volumetric Fillers / Model **ROMO-V**



This Monoblock is based on a Volumetric (Piston) Filling System with the typical advantage and flexibility to fill many kinds of products with Low to High Viscosity.

Such as Liquid Detergents, Cosmetics, Lube Oils, Brake Fluids, Edible Oils and Olive Oils, Ketchup, Tomato Paste, Mayonnaise, Hot Sauce, Syrups, Jam as well as Salad dressings containing small pieces (filled with special 3-WAY Rotary Valves). The volume is adjustable without change parts, from the touch screen, by electric motor and is common for all the Volumetric Cylinders. The Volumetric Cylinders are working with Cam and this gives the advantage of Very High dosing accuracy of $\pm 0.25\%$. Double inlet screw when is needed, that allows to treat very difficult containers such as light shaped PET bottles. Several types of filling nozzles are available, according to the filling products, specially designed to avoid product drops. Neck centering system for correct positioning of the bottle under the nozzle. Bottom-up filling system is also available for difficult and foaming products.

Many combinations of filling volumes starting from 20ml to 5000ml bottles and according to the number of Filling/Capping Heads the production can go up to 18.000 BPH depending on the bottle size. The Monoblock Filling/Capping ensures smooth transfer from the filling turret to the Multi head capping turret which is available for all kind of plastic caps, screw-on or push-on or metal twist and screw caps. Magnetic type Capping Heads (Hysteresis) with manual torque adjustment or Servo-motor drive Capping heads for difficult and sensitive capping applications with electronic torque adjustment from the touch screen. Pick and Place capping process is also available for most of the capping applications to ensure high performance of cap placement on the bottle neck. Possibility of synchronization with Seamer Machines, in case of metal cylindrical cans Air Rinsing or Water Rinsing turret is available on the same base as Uni block System.

Rotary Flow Meter Fillers / Model **ROMO-FM**



This Monoblock is based on Stainless Steel Flow Meters Filling System, designed to fill Still Water, Juices, Dairy.

This special type of filling valve has been researched and developed so as not to require contact between bottle and filling valve, thereby guaranteeing scrupulously high and constant levels of hygiene. Using high precision Electronic Flow Meters from ENDRESS+HAUSER we can offer a Constant filling accuracy of $\pm 0.2\%$ whether dosing small or large volumes. Double inlet screw when is needed, that allows to treat very difficult containers such as light shaped PET bottles. Lack of mechanical wear and consequently extremely low maintenance costs. Neck centering system for correct positioning of the bottle under the nozzle. Many combinations of filling volumes starting from 200ml to 2000ml for water or Juice bottles and many combinations of number of Rinsing/Filling/Capping Heads according

to the output capacity required. This Uniblock machine can be offered for output up to 12.000 BPH for 0.5 liter and 10.000 BPH for 1.5 liters. The Monoblock Rinsing/Filling/Capping ensures smooth transfer from the Rinsing, Filling Turret to the Multi - Head Capping Turret which is available for all kind of plastic caps, screw-on or push-on or metal twist screw caps. Magnetic type Capping Heads (Hysteresis) with manual torque adjustment or Servo-Motor drive Capping Heads for difficult and sensitive capping applications with electronic torque adjustment from the touch screen. Pick and Place Capping process is also available for most of the capping applications to ensure high performance of cap placement on the bottle neck.

Rotary Mass Flow Meter Fillers / Model **ROMO-MFM**



This Monoblock is based on Stainless Steel Mass Flow Meters Filling System, designed for hot or cold filling of even viscous liquids depending on the conductivity of the products to be filled.

Such as Liquid Detergents, Cosmetics, Lube Oils, Edible Oils and Olive Oils, Ketchup, Tomato Paste, Mayonnaise, Hot Sauce, Syrups, Jam as well as Salad dressings containing small pieces, Creams, Honey. Selection of dosage volumes and recipes is done directly from operator touch screen without change parts. Using high precision Electronic Mass Flow Meters from ENDRESS+HAUSER we can offer a constant filling accuracy of $\pm 0.2\%$ whether dosing small or large volumes. The Stainless Steel 316L Mass Flow Meters offers a high degree of hygiene and ease of cleaning. Double inlet screw when is needed, that allows to treat very difficult containers such as light shaped PET bottles. Lack of mechanical wear and consequently extremely low maintenance costs. Several types of filling nozzles are available, according to the filling products, specially designed to avoid product drops. Neck centering system for correct positioning of the bottle under the nozzle.

Many combinations of filling volumes starting from 200ml to 5000ml bottles and according to the number of Filling/Capping Heads the production can go up to 12.000 BPH depending on the bottle size. The Monoblock Filling/Capping ensures smooth transfer from the filling turret to the Multi head capping turret which is available for all kind of Plastic Caps, Screw-On or Push-On or Metal Twist Screw Caps. Magnetic type Capping Heads (Hysteresis) with manual torque adjustment or Servo-Motor drive Capping Heads for difficult and sensitive capping applications with electronic torque adjustment from the touch screen. Pick and place capping process is also available for most of the capping applications to ensure high performance of cap placement on the bottle neck. Possibility of synchronization with Seamer Machines, in case of metal cylindrical cans Air rinsing or water rinsing turret is available on the same base as Uniblock system.

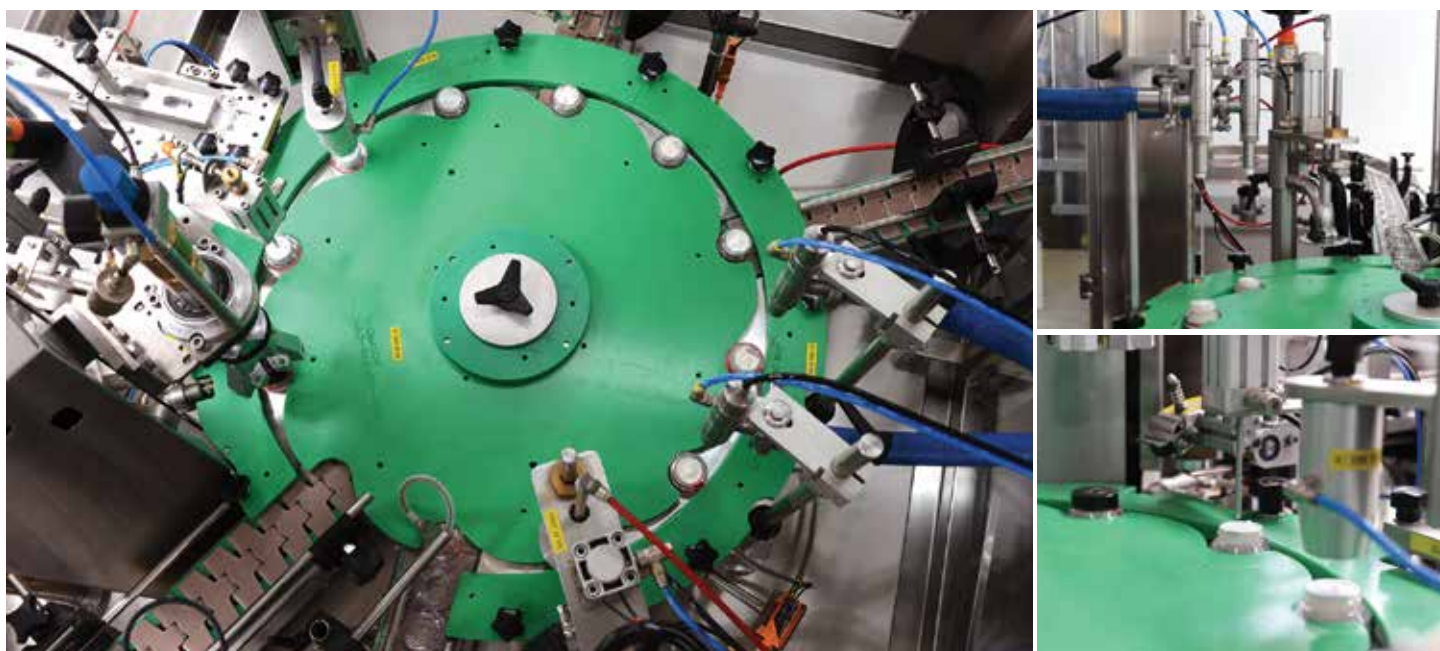
Monoblock / Bottles & Jars Fillers / Model **ELIADA**



Thomason Automatic Monoblock Filling - Foil Cutting and Sealing - Capping Machines model ELIADA, are available in different sizes according to the output requirements.

According to the filling product we can offer different type of filling systems such as, Volumetric (piston type)- Mass Flow Meters- Flow Meters and Pump. We have the ability to modify any of our standard machines and serve the customers special requests and needs. Mechanical indexing movement of the star-wheel controlled by Inverter or servo motor for rotation speed adjustment and smooth operation. The ELIADA models can fill products such as, Liquid Detergents, Cosmetics, Foodstuff, Dairy, Juices, Edible Oils, Olive Oils, Lube Oils, Pharmaceuticals, in any kind of bottles and jars. Very flexible machine, ideal for low to medium productions which can reach up to 2500 bottles/jars per hour and the same machine can fill bottles and jars with difficult shapes. Is a compact machine with minimised space requirements. The standard machine which can be offered with One to Three Filling Heads, Single Foil Cutting/Sealing Heads (the Foil Unit is Optional) and Single Capping Head, can reach up to 2500 jars/hour.

For higher output demands we can offer this model with Four to Eight Filling Heads, Double Foil Cutting/Sealing Heads (the Foil Unit is Optional) and Two Capping Heads which can reach up to 4500-5000 jars/bottles per hour. For this output, the filling heads are moving continues together with the jars/bottles and indexing star-wheel, until the filling finishes and then they return back to start filling the next bottles which are already in the indexing star-wheel. Many combinations of filling volumes starting from 20ml to 2000ml jars and bottles. The optional system of the foil (aluminium or plastic) cutting and sealing cuts the foil from a roll and it has a rewinder system for the scrap foil. The cutting and sealing process is happening on the same stage to avoid any movement of the foil before sealing. The sealing is done by direct contact with heating elements and the sealing temperature is adjustable as well as the sealing time.



The Capping Unit can be offered for all kind of caps such as plastic screw or push-on, metal twist, metal ROPP and for difficult caps we offer Robot type Capping Heads for Pick and Place System.

We can offer also a special closing system for Trigger Bottom-up filling process and Motorized height adjustment for the filling heads can be offered as optional. Servo Motors for the closing heads can be offered as optional when is needed electronic torque adjustment for the caps closing. Thomason is offering ideal solutions for all those filling applications where flexibility, ease of use, rapid change-over and automated cleaning/washing (CIP) operations are considered to be of high importance. The option of the CIP cleaning connection with dummy bottles makes the cleaning process very easy and secures hygiene operation of the machine when change from one type of product to another. Control systems ensures correct filling and closing of every bottle, and any faulty bottle is rejected onto a parallel discharge conveyor. Fully automatic operation with computerized control and colored HMI touch screen 6" (10" Optional), for userfriendly operation to adjust the machine functions and parameters. Can store unlimited formulas for easy change over.

Bottom-up filling process and Motorized height adjustment for the filling heads can be offered as optional. Fault diagnostic information on the touch screen. Ethernet connection for technical assistance on line from our technical department. The machine outside frame and doors are made out of Stainless Steel 304 and all product contact parts are made out of Stainless Steel 316L. Easy and quick change over from one type of product to another and from one size of bottle to another. High level of operating performance and reliability. Quick release change parts to minimize size change-over time. Laminar Flow Filters are available as optional for all ELIADA machines. For difficult and unstable bottles we are offering bottle pockets filling system with endless return conveyor with automatic bottle unloading. The ELIADA models are customized to the needs of their customers always ensuring construction quality and efficiency at the highest level.

Monoblock / Cup Fillers / Model **NAFSIKA**



Thomason Automatic Monoblock Cups Filling-Foil Sealing - Snap-On Lid Closing Machines model NAFSIKA, is available in different sizes according to the output requirements.

According to the filling product we can offer different type of filling systems such as, Volumetric (piston type) - Mass Flow Meters and Flow Meters. We have the ability to modify any of our standard machines and serve the customers special request and needs. The NAFSIKA models can fill products such as, Foodstuff, all kind of Yogurts, Milk, Cream Cheese, Margarine, Butter, Jams, Dressings, Juices, Water in Cups cylindrical and rectangular shapes from 50 to 1000ml. The filling range extends from liquids to high viscosity products or products with particulates. This highly flexible filling, sealing and closing machine is solidly built and easy to operate. The machine achieves rates up to 40 cycles/minute, depending on the product, volume, cup size and head space in the container. The plastic cups removed automatically from the preloaded magazine by mechanical picker and inserted into a pocket on the rotary indexing turntable. The turntable indexes to the Cup Filling Station where it is filled and then indexes to the feeding of the Pre-Cut aluminium foil (from magazine) and then to the Sealing Station where the Sealing Material is sealed to the Cup. The machine then indexes to the Lid Application Station where the Lid is applied to the cup with mechanical pick and place arm (from magazine). Finally the finished product indexes to the Automatic Eject Station where it is removed and placed on a rotary collecting table or unloading straight conveyor.



All functions are fully automatic and equipped with highly flexible mechanics. This machine can be offered with One to Four pockets depending on the cups size and the speed requirements.

Mechanical indexing movement of the turntable controlled by Inverter for smooth rotation movement and speed adjustment (Optional with Servo Motor). Thomason is offering ideal solutions for all those filling applications where flexibility, easy to use, rapid changeover and automated cleaning/washing (CIP) operations are considered to be of high importance. The option of the CIP cleaning connection makes the cleaning process very easy and secures hygiene operation of the machine when change from one type of product to another. Easy and quick change over from one type of product to another and from one size of cup to another. Fully automatic operation with computerized control and colored HMI touch screen functions and parameters. Can store unlimited formulas for easy change over. Fault diagnostic. Ethernet connection for technical assistance on line from our technical department. (Optional) The machine outside frame and doors are made out of Stainless Steel 304 and anodized aluminium parts. All product contact parts are made out of Stainless Steel 316L. High level of operating performance and reliability. Laminar Flow (HEPA) filters are available as optional. For difficult high viscous products we offer compensator unit instead of product hopper. The NAFSIKA models are customized to the needs of their customers always ensuring construction quality and efficiency at the highest level.



Capping Solutions

There are many different technologies and capacities of capping machines available on the world market. Our company can offer all of them according to product characteristics, container, fill size, daily production needs, plant environment, regulatory issues and hardware cost versus performance.

Linear Capping Machines / Model **PEGASUS-D8-R**



Thomason Automatic Capping Machine, model PEGASUS/D8 with mechanical indexing movement of the star-wheel controlled by inverter for rotation speed adjustment and smooth operation and with one Capping Head suitable to handle all types of caps.

Such as, pressure, screw pre-threaded, oriented, machine or combined and connected with our Linear triggers, twist, plastic and metal. According to the Filling Machines. If it's connected to our Linear Fillers, the type of closures we can offer different type of capping automation is controlled from the PLC of the Filling heads such as Magnetic or Hysteresis clutch for Machine. If the machine will be supplied as stand-alone pre-threaded caps, plastic and metal with torque machine, is offered with PLC and colored HMI touch adjustment. Thread forming capping heads for ROPP screen for userfriendly operation and parameters adjustment. Special capping heads with Grippers or ment. Stainless Steel Auxiliary control panel at the front of Vacuum for Pick and Place System to cover all needs the machine base. Automatic cap shouter complete for difficult caps as well as trigger and Pump Caps with adjustable base and cap exit to feed automatically system. We can also offer Capping Heads with Servo the caps to the point where will be collected by the Motors for high precision electronic torque adjustment Robot Head and Placed on the bottle neck. Height adjusted from the touch screen of the machines. The adjustment by electric motor (Optional). PEGASUS/DB can be supplied as a stand-alone



The PEGASUS/D8 models are customized to the needs of their customers always ensuring construction quality and efficiency at the highest level.

The machine outside frame and doors are made out of Stainless Steel 304 and where is needed we can offer construction made out of Stainless Steel 316L. Easy and quick change over from one size of bottle and cap to another with quick release change parts. Fault diagnostic information on the touch screen. Safety guards in one Stainless Steel structure incorporated together with the machine base and with its access doors for maintenance and adjustments, in plexi-glass, controlled by safety switches for security purposes. All in accordance with safety regulations with the European Community safety regulations (CE).

Audio/Visual alarm (light indicator if the machine is in fault) Cap elevators with various sizes of feeding hoppers are available to ensure long cap feeding autonomy. (Optional) Ethernet connection for technical assistance on line from our technical department. (Optional) Servo Motor can be offered for the indexing rotation of the star-wheel. (Optional) PEGASUS/DB is for medium speed productions ranging from 1200 to 2600 BPH (Depends on bottles and caps shape). For unstable or irregular shape of bottles we are offering bottle pockets system with endless return conveyor with automatic bottle unloading.

Rotary Capping Machines / Model **PEGASUS**



Thomason Automatic Rotary Capping Machine, Model PEGASUS can be supplied with Four to Twelve Capping Heads according to the output requirements.

Magnetic/Hysteresis Capping Heads with Crimpers or Vacuum to collect the caps from the cap distribution disc and place them on the bottle neck and then Manual lubrication for capping turret (Optional Auto-close them by means of screw or press-on. Suitable for plastic screw and push-on caps, as well as for metal twist caps with manual torque adjustment. The Pick and Place Capping process ensures precision cap placement for difficult caps, on the bottle neck. Automatic cap Shouter to feed the caps on the cap distribution disc to be collected by the Capping Heads (Pick and Place). Motorized adjustment for the capping heads height and for the cap shouter, to accompany different bottle sizes in height. Continuous rotation of the capping turret with adjustable speed controlled by inverter.

Machine gradual increase/decrease speed automatically according to the bottles flow on the inlet conveyor. Adjustable clutch for the inlet/outlet star-wheels as well as for the infeed worm screw to stop the machine in case of bottle jammed to avoid breakage and product spillage. Worm-screw in-feed for smooth operation. (for difficult bottles, double wormscrew is apply) The PEGASUS can be supplied as a stand-alone machine or combined and connected with our filling machines. If is connected to our fillers, the automation is controlled from the PLC of the filling machine. If the machine will be supplied as stand-alone machine, is offered with PLC and colored HMI touch screen for user-friendly operation and parameters adjustment.



The PEGASUS models are customized to the needs of their customers always ensuring construction quality and efficiency at the highest level.

Stainless Steel Auxiliary control panel at the front of the machine base. The machine outside frame and doors are made out of Stainless Steel 304 and where is needed we can offer construction made out of Stainless Steel 316L. Easy and quick change over from one size of bottle and cap to another with quick release change parts. Fault diagnostic information on the touch screen. Safety guards in one stainless steel structure incorporated together with the machine base and with its access doors for maintenance and adjustments, in plexi-glass, controlled by Safety switches for security. All in accordance with safety regulations with the European Community safety regulations (CE). Audio/Visual alarm (light indicator if the machine is in fault). Cap elevators with various sizes of feeding hoppers are available to ensure long cap feeding autonomy. (Optional)

Ethernet connection for technical assistance on line from our technical department. (Optional) Inlet/outlet Conveyor with adjustable speed by electronic inverter working with combination of the rotation speed of the capping turret. Servo Motor for the Capping Heads rotation for high precision electronic torque adjustment from the touch screen. (Optional) PEGASUS models are high speed machines with speed reaching from 2500 to 16000 BPH, depending on the number of Capping Heads, bottles and caps shape. For unstable or irregular shape of bottles we are offering bottle pockets system with endless return conveyor with automatic bottle unloading. The same machine can be supplied with ROPP capping heads for metal Pilfer Proof caps, as model PEGASUS-PP and special closing system for Trigger and Pump caps as model PEGASUS-TR.

Labelling Solutions

Thomason Labelling Machines are conceived to meet all users needs, according to output capacities required or packaging varieties. Thanks to the high engineering flexibility, the machines outstanding characteristics are specifically conceived for high performances in all production processes.

Our life-long experience and ceaseless efforts towards cutting edge technologies let all our machine models guarantee the required production rates, utmost packaging accuracy and low operational costs. Both materials and building technology guarantee to Thomason Labelling Machines best performances in high workload conditions. Their reliability and user friendly technology make our labellers the number one choice for small and medium-size business.

The labelling requests of our customers and their satisfaction are the top priority for us and we meet these requirements with our personal commitment and our innovating Labelling Machines to meet all range of applications and capacities. Advanced production technologies and high quality materials make these machines able to meet tough work loads at low and high speed production rates.

Our Labelling solutions are:

- Self-Adhesive, Linear, Rotary and Stand Along Dispensers
- Wet Glue, Linear and Rotary
- Hot Melt
- Mixed label combinations

Linear Labelling Machines / Model **LEDA**



Thomason Linear Labelling Self-Adhesive Machine LEDA-AD, is suitable for the application of labels front and back on Flat - Oval - Square - Rectangular bottles and Partial or Wrap-Around label on Cylindrical containers.

LEDA-AD can be offered with up to Four Labels on the same container depending on the containers and labels to be applied. Each label dispenser has an electronic input device for the labeling parameters. The speed of the conveyor is synchronized with the speed of the label dispensers by electronic encoder. Heavy duty structure covered with Stainless Steel covers. Bottle Centring device by side belts for oval shaped bottles. Overbelt Conveyor, synchronized with inverter to hold the flat and oval bottles on the conveyor belt during labelling process. Photocell for label stop with automatic self-regulation for the reading of different colours of label. Wrap-Around side belt for cylindrical bottles. (Optional) Designed to be reliable and user-friendly they are versatile in every production. High precision machine with speed up to 5000 BPH depending on the label size and bottle shape. Self-Adhesive labelling stations based on adjustable slides with adjustments in all axis.

Rotary Labelling Machines / Model **NEFELI**



Thomason Rotary Labelling Self-Adhesive Machine NEFELI-AD, is a Multi-Labelling suitable for the application of labels on Cylindrical, Conical, Square based, Oval and Rectangular containers.

NEFELI-AD can be offered with up to Five labels on the same container depending on the machine model and labels to be applied. For special applications we can offer this model with mixed label combinations such as Self-Adhesive + Cold Glue, Self-Adhesive + Hot melt. Machine gradual increase/decrease speed automatically according to the bottle flow on the inlet conveyor. The container rotation is driven by a traditional mechanic system involving a toothed sector system and a programmed cam. A correct and accurate application of each label is possible thanks to the holding heads (upper bottle holding turret) and the containers bottom holding plates with the bottle bottom shape. Heavy duty structure covered with stainless steel covers. Change over parts for different bottle sizes is easy and fast without the use of tools. Designed to be reliable and userfriendly they are versatile in every production contest: from small to large business. Each machine is characterized by a specific design in order to meet the packaging customization. The NEFELI-AD model is developed and produced in small and compact versions for small capacities as well as for high performance and high speed machines from 1200 up to 20.000BPH.



Rinsing Solutions

Thomason Automatic Rotary Water or Air Rinsing Machine model KALIPSO suitable for Rinsing Plastic - PET - Glass - Metal bottles and jars of different shapes and sizes.

Linear Rinsing Machines / Model **KALIPSO**



Thomason Automatic Rotary Water or Air Rinsing Machine model KALIPSO suitable for Rinsing Plastic - PET - Glass - Metal bottles and jars of different shapes and sizes.

KALIPSO is available in different sizes according to the output requirements, starting from Six to Forty Rinsing Heads. The same machine can be used with Water Rinsing or Air Rinsing (Ionised Air Rinsing - Optional). The bottle in-feed in the machine star-wheels is done with Worm-Screw for smooth operation. Stainless Steel construction for the outer machine frame, water and bottle contact parts. Inlet/outlet conveyor with adjustable speed by electronic inverter.

This machine can be supplied as a stand-alone machine or combined and connected with our fillers or Rotary Filling/Capping Machines. Motorized height adjustment for different bottle sizes. Quick release change over parts to minimize size change over time. We have the ability to modify any of our standard machines and serve the customers special request and needs.

The background image shows a complex industrial machine, likely a powder filler, with various components like hoppers, pipes, and mechanical arms. A semi-transparent blue filter is applied over the entire image to make the text stand out.

Powder Fillers

Thomason Automatic Monoblock Powder Filling and Capping Machines model ATHINA, are suitable to fill powder and granular products in Plastic-Glass-Metal bottles and jars, Cylindrical, Rectangular Shapes and close them with several options of Capping Heads, according to the cap type.

Linear Powder Fillers / Model **ATHINA**



Thomason Automatic Monoblock Powder Filling and Capping Machines model ATHINA, are suitable to fill powder and granular products in Plastic-Glass-Metal bottles and jars, Cylindrical, Rectangular Shapes and close them with several options of Capping Heads, according to the cap type.

According to the filling product we can offer different type of filling systems such as, Auger - Volumetric and Net Weight. Variety of Capping Heads such as Robot type (Pick and Place) for difficult plastic screw and push-on caps, as well as for plastic and metal twist caps, or standard capping head where the bottle neck collects the cap direct from the cap rail, or ROPP capping head for metal Pilfer-Proof caps. The single head filling and capping ATHINA/1-1 works with Mechanical indexing movement of the star-wheel controlled by Inverter for rotation speed adjustment and smooth operation. Very flexible machine and is ideal for low to medium productions which can reach up to 2000 bottles/jars per hour according to the product and the filling volume. Is a compact machine with minimised space requirements. Many combinations of filling volumes starting from 20ml to 2000ml.

The Multi Filling Heads and Multi Capping Heads ATHINA/4-18/4-8 works with continues motion for high speed productions. This model starts with Four Filling Heads and Four Capping Heads and can be offered up to Eighteen Filling Heads with Eight Capping Heads, according to the outputs requirements.

We have the ability to modify any of our standard machines and serve the customers special request and needs. Both versions can be offered with Servo motors for the closing heads (Optional) when is needed for electronic torque adjustment for the caps closing.

Thomason is offering ideal solutions for all those filling applications where flexibility, ease of use, rapid change-over, are to be of high importance. Fully automatic operation with computerized control and colored HMI touch screen 6" or 10" for user-friendly operation to adjust the machine functions and parameters. Can store unlimited formulas for easy change over. Fault diagnostic information on the touch screen. Ethernet connection for technical assistance on line from our technical department. (Optional) The machine outside frame and doors are made out of Stainless Steel 304 and all product contact parts are made out of Stainless Steel 316L. Quick release change parts to minimize size change-over time. High level of operating performance and reliability. The ATHINA models are customized to the needs of their customers always ensuring construction quality and efficiency at the highest level.

Semi-Automatic Powder Fillers / Model **ATHINA**



Thomason Semi-automatic Filling Machine for Powders model ATHINA/1 S with One Auger Filling System with encoder for filling range 100 to 5000 grms.

For different filling range we offer extra product auger screws. Stainless Steel conical feeding hopper 30 litres capacity with agitator. Electronic control of the auger rotation. Electronic weight scale working in combination with the Auger System for accurate filling process. (Optional) The rotation of the Auger is adjusted by inverter. Foot pedal operation/or signal operated.

The machine outside frame is made out of Stainless Steel 304 and all product contact parts are made out of Stainless Steel 316L. Easy to adjust from one size of bottle/jars to another. Manual loading and unloading of the bottles/jars. Very flexible machine, ideal for low productions up to 900-1100 BPH depending on the operator, filling product and volume. Level control system for the product hopper.

Rotary Powder Fillers / Model **ATHINA**



ATHINA/4-18/4-8 with Rotary Continuous Motion for Smooth Operation.

ATHINA/4-18/4-8 with Rotary Continuous Motion for Machine gradual increase/decrease speed automatically according to the bottles flow on the inlet conveyor. Smooth Operation. This model starts with Four Filling Heads and Four Capping Heads and can be offered Centralized lubrication. Adjustable clutch for the up to Eighteen Filling Heads with Eight Capping Heads, according to the outputs requirements. Motorized inlet/outlet star-wheels as well as for the in-feed height adjustment for the Filling and Capping Turrets jammed to avoid breakage and product spillage. and for the cap shouter, to accompany different Worm-screw in-feed for smooth operation. (for difficult bottle sizes in height. Continuous rotation motion adjustable speed controlled by inverter)



Foil Sealing Solutions

Thomason Automatic Foil Cutting and Sealing Machine, model ARIA with indexing movement of the star-wheel, one Foil Cutting and Sealing Head for aluminum and plastic foils on bottles and jars, plastic or glass.

Cutting & Foil Sealing Machines / Model **ARIA**



Thomason Automatic Foil Cutting and Sealing Machine, model ARIA with indexing movement of the star-wheel, one Foil Cutting and Sealing Head for aluminum and plastic foils on bottles and jars, plastic or glass.

Mechanical indexing movement of the star-wheel controlled by inverter for rotation speed adjustment and smooth operation. ARIA is a very flexible machine and is ideal for low to medium production industries for Food Stuff, Cosmetics, Pharmaceuticals, Dairy. The ARIA can be supplied as a stand-alone machine or combined and connected with our filling machines. If is connected to our fillers, the automation is controlled from the PLC of the filling machine. If the machine will be supplied as stand-alone machine, is offered with PLC and colored HMI touch screen (6") for user-friendly operation and parameters adjustment. Fault diagnostic information on the touch screen. Stainless Steel Auxiliary control panel at the front of the machine base. The foil cutting and sealing process is done at the same time to avoid movement of the foil from the bottle/jar neck center. Adjustable sealing temperature by thermostat control. Adjustable sealing period according to foil and bottle material. Adjustable height of the foil cutting and sealing head to accompany different bottle sizes. Rewinder system with electric motor for the scrap foil. The machine outside frame and doors are made out of Stainless Steel 304 and where is needed we can offer construction made out of Stainless Steel 316L. Easy and quick change over from one size of bottle and foil to another with quick release change parts.

One the same base can be installed also a Single Head Capping Unit for any kind of closure with automatic cap shouter. This system is minimised space requirements. Safety guards in one Stainless Steel structure incorporated together with the machine base and with its access doors for maintenance and adjustments, in Plexi-Glass, controlled by Safety switches for security. All in accordance with the European Community safety regulations (CE). Audio/Visual alarm (light indicator if the machine is in fault) Ethernet connection for technical assistance on line from our technical department. (Optional) Servo motor for the indexing rotation of the star-wheel. (Optional) The ARIA model can be offered with single cutting head for outputs up to 2600 bottles/jars per hour and with twin cutting and sealing heads and twin star-wheel system with two inlet and outlet conveyors, for outputs up to 5000 bottles/jars per hour. The output depends on the bottle/jars shape and the filling product for spillage purposes during rotation of the star-wheel. The same model can be offered also with linear process with multi foil cutting and sealing heads for higher outputs when is needed. For unstable or irregular shape of bottles/jars we are offering bottle pockets system with endless return conveyor. The ARIA models are customized to the needs of their customers ensuring always construction quality and efficiency at the highest level.

Semi-Automatic Foil Cutting & Sealing Machines / Model **ARIA**



Thomason Semi-Automatic Foil, Aluminium or Plastic, Cutting and Sealing Machine model ARIA/1-S. Manual loading and unloading of the bottles/jars.

Foot pedal signal to start the automatic Foil Cutting and Sealing from a roll. Adjustable sealing temperature by thermostat control and adjustable sealing period. Adjustable height of the cutting and sealing unit, by a hand-wheel to accompany different bottle sizes. Easy to adjust from one size of bottle/jar to another.

Scrap rewind system. Electro-pneumatic operation. The machine frame and base is made out of Stainless Steel 304. Very flexible machine, ideal for low productions up to 1500 BPH depending on the operator. It can be connected next to any of the semi-automatic filling machines for easy operation.



Semi-Automatic Solutions

Thomason Semi-Automatic machines are our low cost series machines for a new company start up with low production demand. Designed to fill a wide variety of products into various containers sizes and shapes. Our semi-automatic filling and Capping machines are the ideal solution for Small Companies.

Semi-Automatic Gear Pump / Model **ARTEMIS**

Thomason Semi-Automatic Filling Machine with Two Gear Pumps and Two Filling Heads model ARTEMIS/2-GP, suitable to fill low to medium viscosity products. Such as Liquid Detergents, Cosmetics, Foodstuff, Dairy, Juices, Edible Oils, Olive Oils, Lube Oils, Pharmaceuticals, in any kind of bottles and jars. Manual loading and unloading of the bottles. Stainless Steel 316L Gear Pumps with motors and common electronic inverter for filling speed control. Micro-Logic PLC controller to adjust all the filling parameters and volumes.

This machine is available also with One Gear Pump and One Filling Head. Both models are available in Two versions. One from 10ml to 1000ml with output of 15 litres/min each Gear Pump and One from 100ml to 5000ml with output of 30 Litres/min each Gear Pump. The machine frame and base is made out of Stainless Steel 304. The product contact parts are made out of Stainless Steel 316L and Teflon. The start signal can be with Food Petal or Timer or Push button. Easy to adjust from one size of bottle to another. Conical Feeding Hopper for difficult products. (Optional)



Semi-Automatic Net Weight Fillers / Model **APOLLON**

Thomason semi-automatic Net Weight Filling Machine for Metal and Plastic containers from 2 to 25 Litrs, model APOLLON/25-2 with Two Filling heads and Two Electronic Weight scales.

Suitable to fill Low and Medium Viscosity products such as, Liquid Detergents, Dairy, Juices, Edible Oils, Olive Oils, Lube Oils. Manual Loading and unloading of the containers. Pneumatic operated.

Stainless Steel (304) for the machine base and Stainless Steel 316L for product contact parts. Easy to adjust from one size of bottle to another. Can be supplied with or without feeding hopper and also with One Filling Head for lower output requirements.



Semi-Automatic Volumetric Fillers / Model **ARTEMIS**

Thomason Semi-Automatic Volumetric Filling Machines model ARTEMIS/-VOL, with Two or One Filling Heads, suitable to fill Low and Medium Viscosity products. The ARTEMIS models can fill products such as, Liquid Detergents, Cosmetics, Foodstuff, Dairy, Juices, Edible Oils, Olive Oils, Lube Oils, Pharmaceuticals, in any kind of bottles and jars. Manual loading and unloading of the bottles. Foot pedal signal and automatic filling cycle. Pneumatic operated. The machine outside frame is made out of Stainless Steel 304 and all product contact parts are made out of Stainless Steel 316L. Adjustable Filling Volume by handwheel (common adjustment in case of Two Volumetric Cylinders).

ARTEMIS is available with several filling range such as 20ml to 300ml - 100ml to 1000ml - 100ml to 2000ml - 300ml to 3000ml and 400ml to 5000ml. Button-up filling process is available when is required and as well as product feeding hopper. (Optional) Very flexible machine, ideal for low productions up to 1000- 1200 BPH depending on the operator, the filling product and bottle size. Easy to adjust from one size of bottle to another.



Semi-Automatic Capping Machines / Model **DANAE**

DANAE/1-PP, with One Capping Head for Metal ROPP caps. Electro-pneumatic operation. Motorized drive of the capping head. Foot pedal signal and automatic capping cycle. The machine frame and base is made out of Stainless Steel 304.

Adjustable height of the Capping Head by a hand-wheel to accompany different sizes of bottles. Easy to adjust from one size of bottle to another. Very flexible machine, ideal for low productions up to 1500 BPH depending on the operator. It can be connected next to any of the semi-automatic filling machines for easy operation.





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