



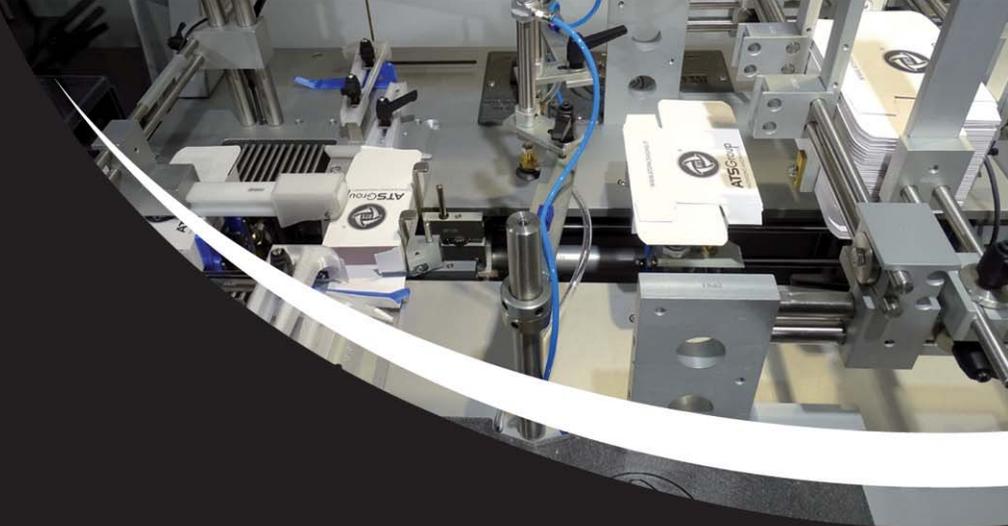
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PACKAGING MACHINERY

OCTAGON



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Filling & Capping

ATSDivision



Turbo Mixer

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End Line

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Revamping

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Special Machines

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Used Machinery

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Filling & Capping

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OCTAGON

Octagonal filling and capping monoblock

OCTAGON is an octagonal filling and capping monoblock, "unique" in its kind for its remarkable versatility and modularity.

The machine is designed and built to be full modular and flexible, special in an easy and fast format changeover.

The feeding of the dosing system is controlled by massive flow meter or magnetic flow meter and the volumetric filling of the product is controlled by a nozzle/shutter pneumatic system.

Possibility of mounting 3 capping turrets with brushless control of both the lifting stroke and the rotation of the screwing spindle. Quality controls guarantee a correct orientation and a correct closure of the cap with eventual rejection of the non-compliant product automatically without stopping the machine.

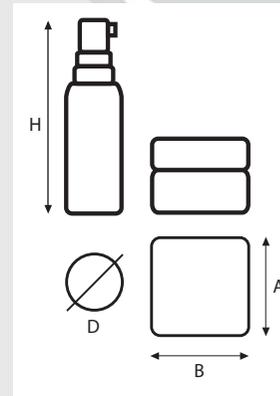
OCTAGON makes it possible to dose and close most of the existing bottles.





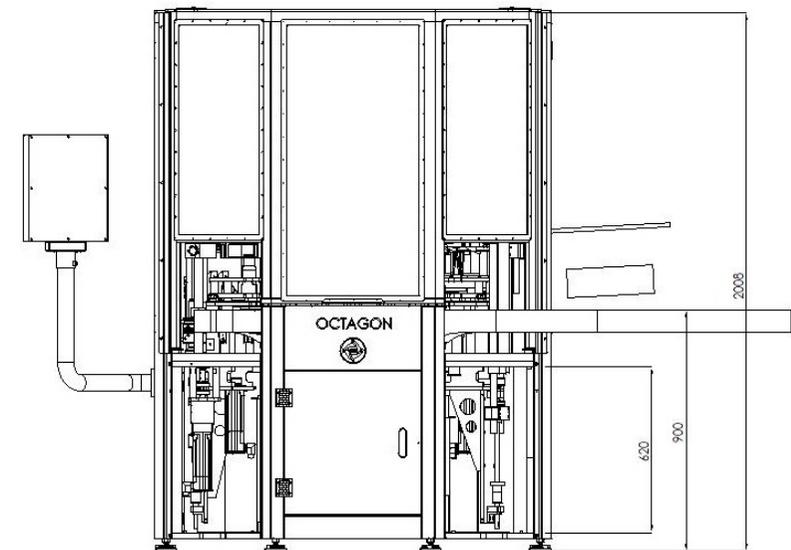
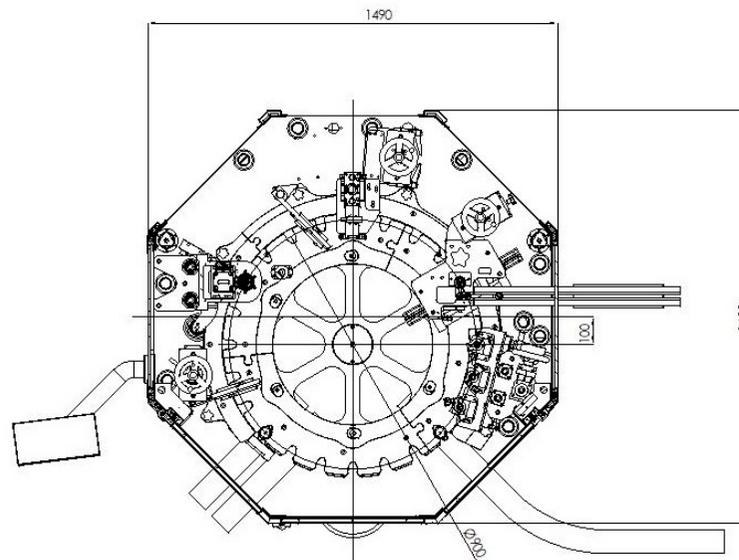
Technical data

Mechanical speed	60/min				
Power absorption	4.7 kW				
Pneumatic air	100-150 lt/min, 6 bar				
Weight	+/-1000 kg				
Size of the machinable bottles		A	B	∅	H
	Min	10	10	10	35
	Max	105	105	105	250



OCTAGON

Octagonal filling and capping monoblock



Filling & Capping
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OCTAGON

Octagonal filling and capping monoblock



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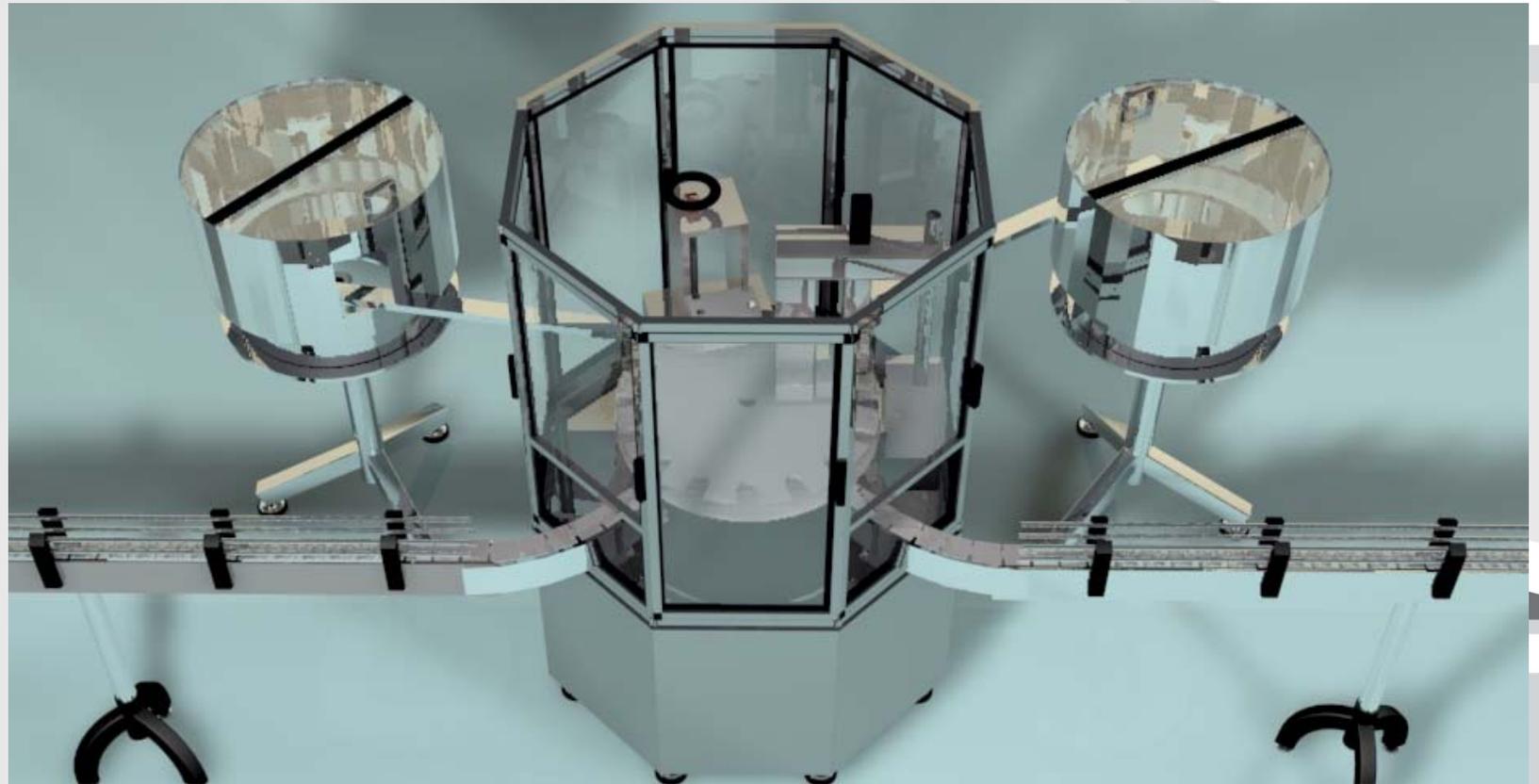
Filling & Capping

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OCTAGON

Octagonal filling and capping monoblock



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ATS FC-LP 4/6-1 250 ml - 10 lt

Linear filling and capping system

Complete line with linear filler with 4/6 dosing heads and with automatic single head pick & place capper for high production up to 1600 pcs/h.

Standard version with 4 dosing heads to dose from 250 ml to 10 lt.

This linear bottling line allows the treatment of different types of liquid products, even of high viscosity according to the type of pump used up to 20.000 cps in sizes ranging from 250 ml to 10 lt.

The reliable and innovative method for measuring the product with magnetic or mass meters allows an excellent

repeatability in the dosage and an unique ease use, allowing a free setting of the volume to be dosed with increments of even just 1 ml.

The cleaning phase can be carried out in about 10 minutes. The manufacturing quality of our machines guarantees long operation with reduced ordinary maintenance times.

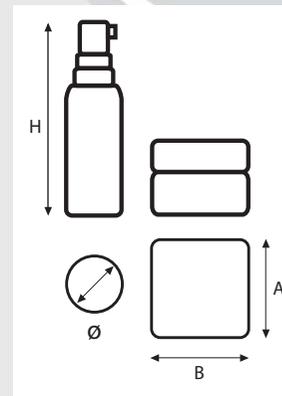
The modularity of this machine allows full configuration facing all customer needs.





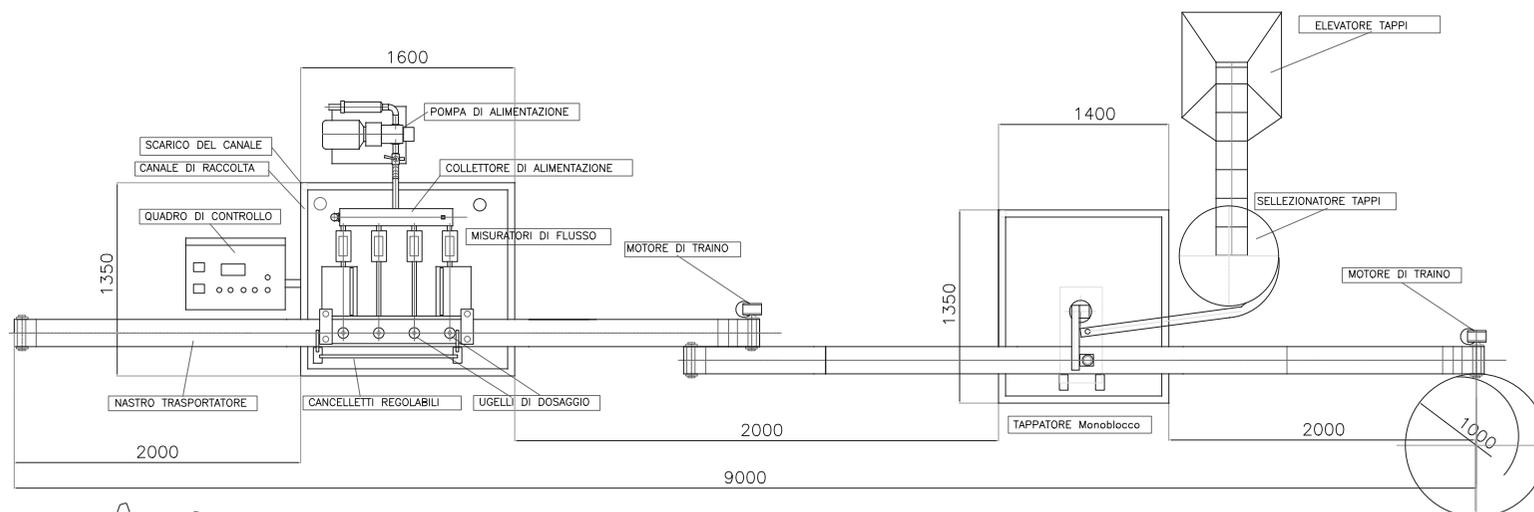
Technical data

Mechanical speed	60/min			
Power absorption	5 kW			
Pneumatic air	100-150 lt/min, 6 bar			
Weight	+/-1500 kg			
Size of the machinable bottles	A	B	Ø	H
	Min	20	20	35
	Max	250	250	350



ATS FC-LP 4/6-1 250 ml – 10 lt

Linear filling and capping system



MONOBLOCCO LINEARE 4/1 CON MISURATORI DI FLUSSO
MOD. "LN 4/1 MM"
PER FLACONI DA 200ML A 10 Litri
PRODUZIONE MASSIMA ORARIA 1600 P/h DA LITRO
PER PRODOTTI CON VISCOSITA' FINO A 30.000 C.P.



ATS FC-LP 2/4-1 10 ml - 1,5 lt

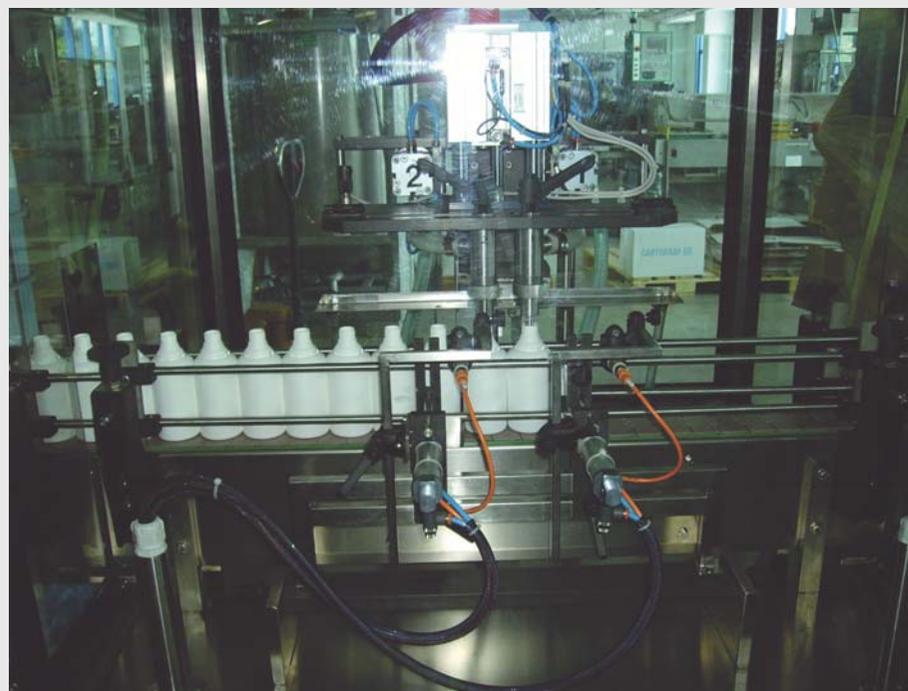
Linear filling and capping system

Linear filling and capping monoblock with 2-4 dosing heads, 1 capping head with hand cap filling in standard or Full Automatic version. From 10 ml to 1.5 lt. of dosage with 2 microsiemens magnetic meters or mass flow meters (repeatability 0.25%, accuracy 0.5%).

This linear type filler allows the treatment of different liquid products, even of high viscosity (depending on the type of pump used up to 20.000 cps) ranging from 100 ml to 1.5 lt.

The reliable and innovative method adopted for measuring the product to be bottled allows excellent repeatability in the dosage and a unique ease of use, allowing a free setting of the volume to be dosed with increments of even just 1ml.

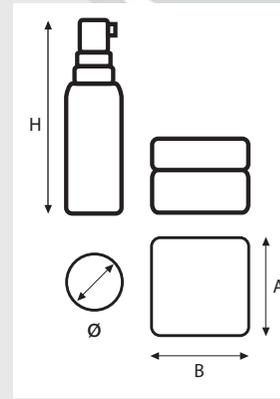
The cleaning (or sanitizing, even with Cleaning In Process "CIP method" if available) can be carried out in about 10 minutes.





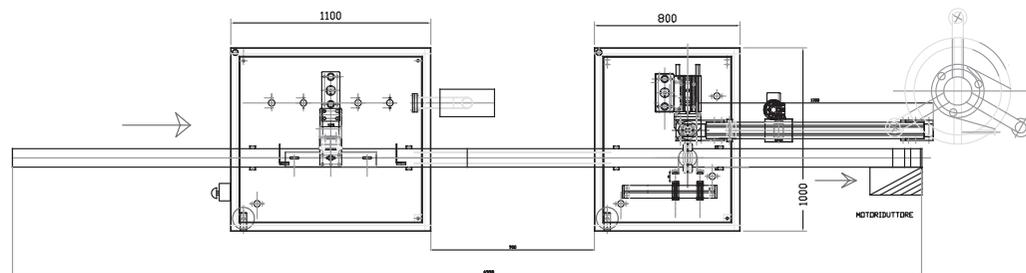
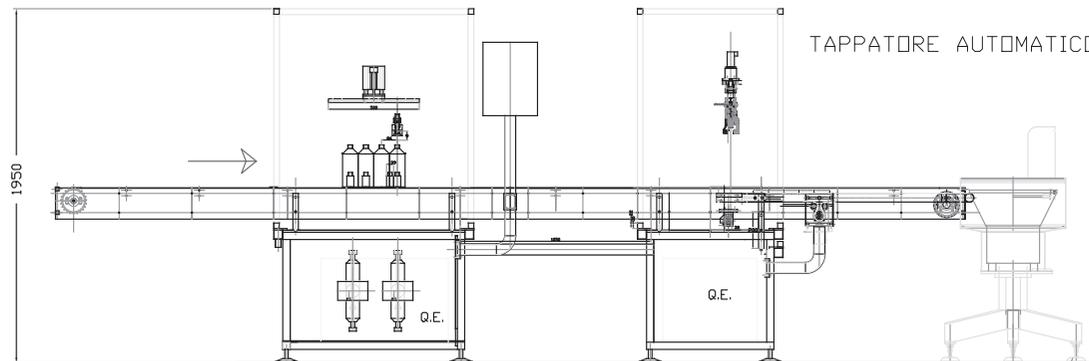
Technical data

Mechanical speed	60/min				
Power absorption	5 kW				
Pneumatic air	100-150 lt/min, 6 bar				
Weight	+/-1000 kg				
Size of the machinable bottles	A	B	Ø	H	
	Min	10	10	10	35
	Max	105	105	105	250



ATS FC-LP 2/4-1
10 ml - 1,5 lt

Linear filling and capping system



RIEMPITRICE 2/4 MASSICI □ MAGNETICI

TAPPATORE CARICO A MANDO





ATS FL-LP 1/2-1 500 ml - 25 lt

Linear filling and capping system

Filling and capping linear monoblock with 1 - 2 filling heads, 1 capping head with hand cap loading in standard version. From 500ml to 25 liters of fill with 2 microsiemens magnetic meters or mass flow meters (repeatability 0.25%, accuracy 0.5%).

This linear machine allows the treatment of different types of liquid products, even of high viscosity, (according to the type of pump used up to 20,000 cps and above) in sizes ranging from 500ml to 25 liters.

The reliable and innovative method adopted for measuring the product to be bottled allows an excellent repeatability in the filling, and a unique ease of use, allowing a free setting of the volume to be dosed, with increments of even just 1ml. The cleaning (or sanitizing, even with c.i.p. method if available) can be carried out on average in about 10 minutes.



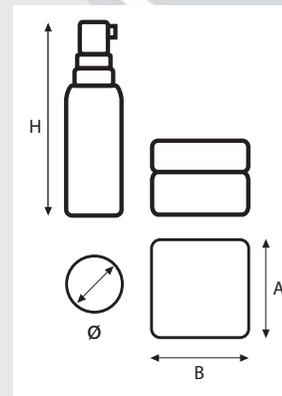
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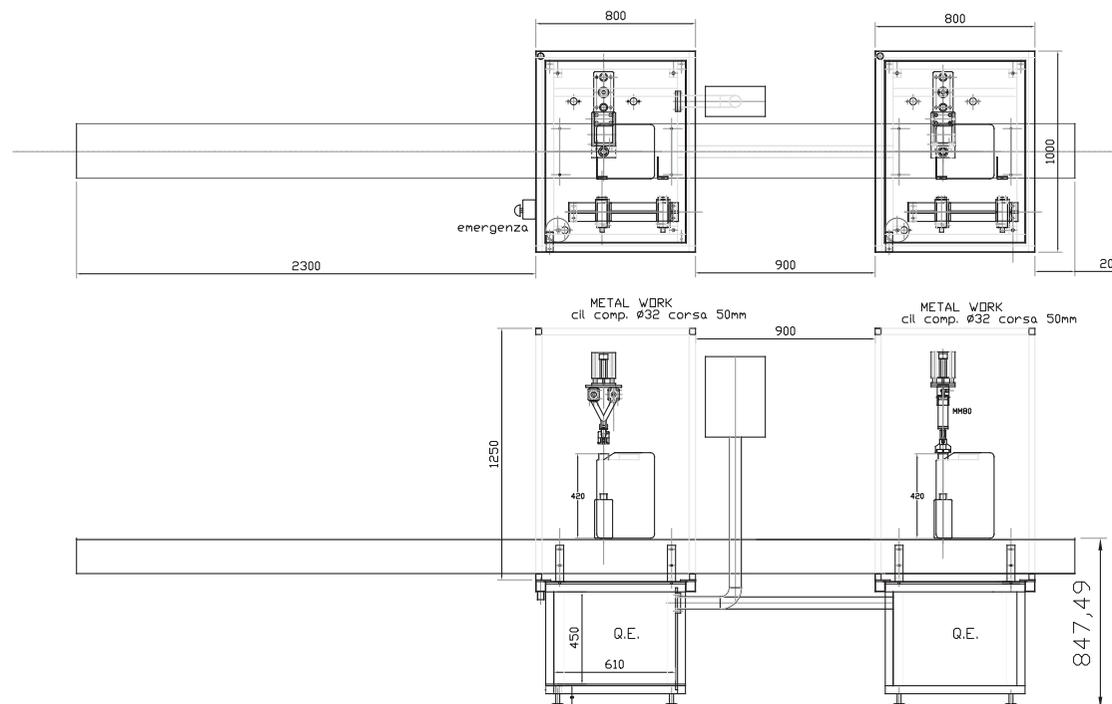
Technical data

Mechanical speed	60/min				
Power absorption	5 kW				
Pneumatic air	100-150 lt/min, 6 bar				
Weight	+/-1500 kg				
Size of the machinable bottles	A	B	Ø	H	
	Min	20	20	20	35
	Max	250	250	250	350



ATS FL-LP 1/2-1 500 ml - 25 lt

Linear filling and capping system



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ATS FL-LP CREAM 1/2-1 10 ml - 500 ml

Linear filling and capping system

Special filling and capping linear monoblock for creams with 1 - 2 dosing heads, 1 capping head with hand cap filling in standard version, available in full automatic version. From 10 ml to 500 ml of dosage with pneumatic or brushless motorized volumetric doser (repeatability 0.25%, precision 0.5%).

This linear type filler allows the treatment of different types of liquid products, even of high viscosity, adopted up to 150,000 cps and over in formats ranging from 10 ml to 500 ml. It is possible to use format supports so as not to

damage the most delicate bottles with a closed-loop tape system.

Automatic capper with brushless torque control for screw or pressure caps.

Possibility of dosing with piston stroke drive with electronic control which allows a free setting of the volume to be dosed, with increments of even only 0.5 ml. The cleaning (or sanitizing, even with c.i.p. method if available) can be carried out on average in about 10 minutes.



Filling & Capping

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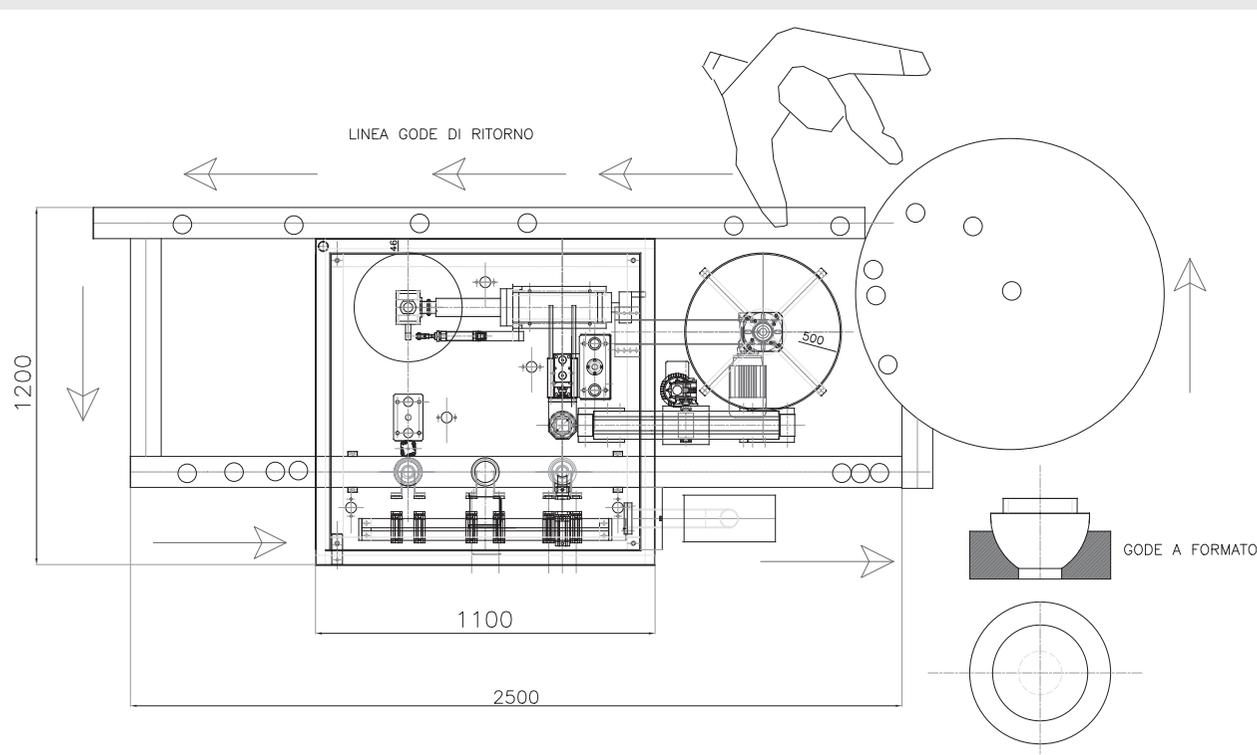
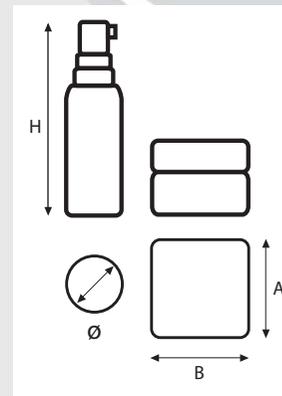


Technical data

Mechanical speed	60/min				
Power absorption	5 kW				
Pneumatic air	100-150 lt/min, 6 bar				
Weight	+/-1500 kg				
Size of the machinable bottles	A	B	Ø	H	
	Min	20	20	20	30
	Max	100	100	100	150

ATS FL-LP CREAM 1/2-1 10 ml - 500 ml

Linear filling and capping system



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BALOS

Linear Filling Machine

Linear filling machine model BALOS with 4-6-8 high production dosing heads (up to 2.700 pcs / h from 1 liter standard version) with dosage from 100 ml to 10 lt.

Filling is with 1 microsiemens magnetic meters or mass flow meters (repeatability 0.25%, accuracy 0.5%).

This linear filler allows the treatment of different liquid products, even of high viscosity (depending on the of pump used up to 20.000 cps) in sizes ranging from 100 ml to 10 lt.

The reliable and innovative method adopted for measuring the product to be bottled allows an excellent repeatability in filling and a unique ease of use allowing a free volume setting to be dosed in increments of only 1 ml.

The cleaning (or sanitizing, even with c.i.p. method if available) can be carried out in 10 minutes.

The high quality with which this machine is built guarantees a long period of operation with reduced times for ordinary maintenance. Modularity allows the filler to be customized or modified, even after some time, allowing to respond to any different customer needs.

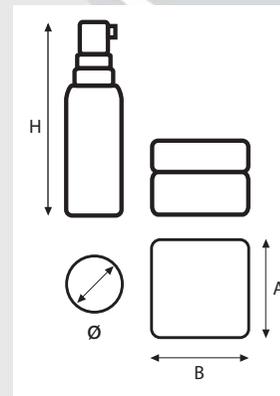
Fast adjustments and the absence of the "format change" are the bases for a high profitability of the machine, even for medium / high productions.





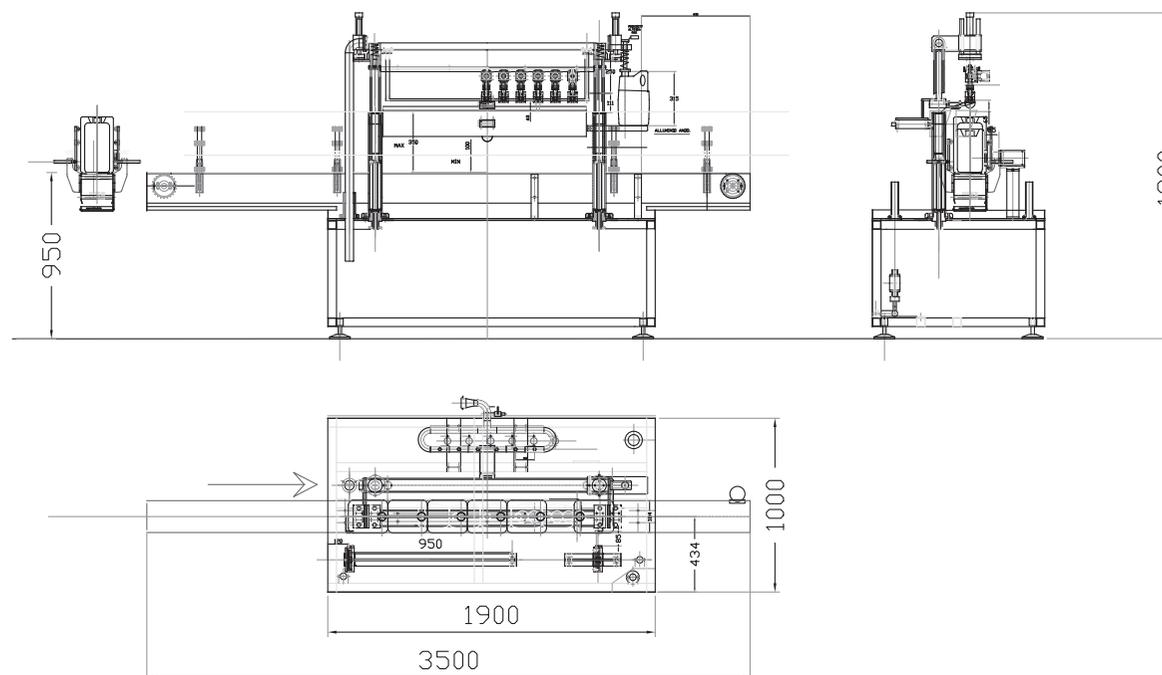
Technical data

Mechanical speed	60/min			
Power absorption	5 kW			
Pneumatic air	100-150 lt/min, 6 bar			
Weight	+/-1500 kg			
Size of the machinable bottles	A	B	Ø	H
	Min	20	20	35
	Max	250	250	350



BALOS

Linear Filling Machine





Mono-head filler DS-1C

Mono-head filler for liquids from 15 ml to 25 liters
mass or magnetic flowmeters

The proposed unit is a filler for a wide range of liquids of various density and nature suitable for filling bottles, tanks, kegs.

The structure is entirely made of stainless steel. It has an operational capacity in terms of volume and in terms of viscosity of the products to be treated.

Maximum flexibility to vary any time weight, speed and pressure of the liquid to be dosed makes possible to treat viscous products, fluid products and foamy products indifferently. The machine is equipped with a magnetic (with electrical conductivity of at least 3 microsiemens) or mass flow meter (counts the volume of the liquid passing through it).

The unit is built with an extremely linear product circuit which allows a full controlled dosing accumulation, residues or product deposit.

No disassembly of parts is required for a quick and deep washing, however possible without tools.

The unit is composed of a 700 mm x 600 mm stainless steel bench, with a +/- 600 mm worktop completed with a perimeter collection channel and a drainage pipe connection.

Under this bench are located the electric power panel and the mass meter above there is a steel column with a height adjustment screw device, the control panel and the shutter / nozzle group, the latter interchangeable according to production needs.

The column can be rotated to allow filling even of heavy drums outside the unit, and to avoid efforts by the operator.



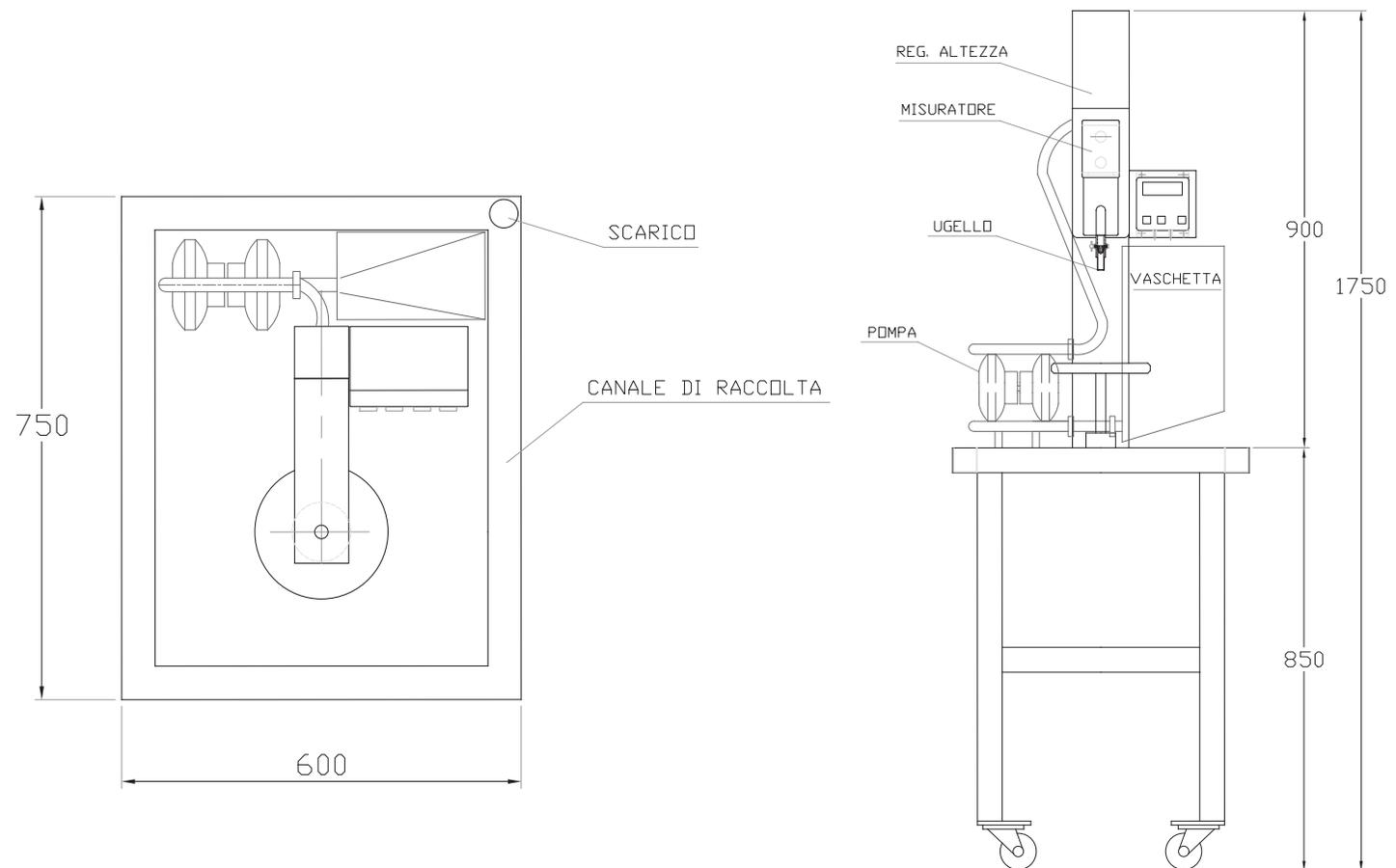


Technical data

Power absorption	1.5 kW
Pneumatic air	50 lt/min, 6 bar
Weight	+/-75 kg

Mono-head filler DS-1C

Mono-head filler for liquids
from 15 ml to 25 liters
mass or magnetic flowmeters





GP1098

Intermitted Capper

Intermitted capper model GP1098 for a production up to 50 pcs/min. This alternating type capper allows the automatic insertion and closing of dispensers, screw caps and pressure caps with an automatic production up to 40 pcs/min.

The capping head with dispenser orientation and the dispenser insertion system are the most innovative components of the GP1098 capper.

The dispenser insertion system is extremely reliable and simple with a double cone of low friction material and a centering cylinder the dispenser is inserted into the bottle,

then it is pre-screwed by a special group; the capping head with dispenser orientation, uses two silicone wheels to tighten the different types of caps - dispenser, torque control during the tightening phase is guaranteed by the brushless motor that controls the capping phase, the dispenser orientation system it is independent controlled by a motor with encoder that allows phase adjustment.

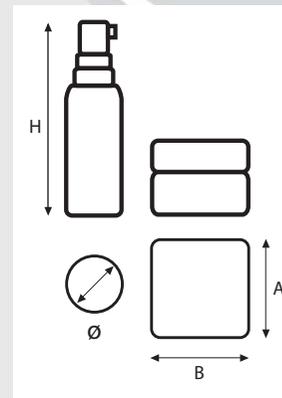
REMARK: all the capping machine functions are managed by a PLC which uses a special program that allows you to modify the parameters and save them.





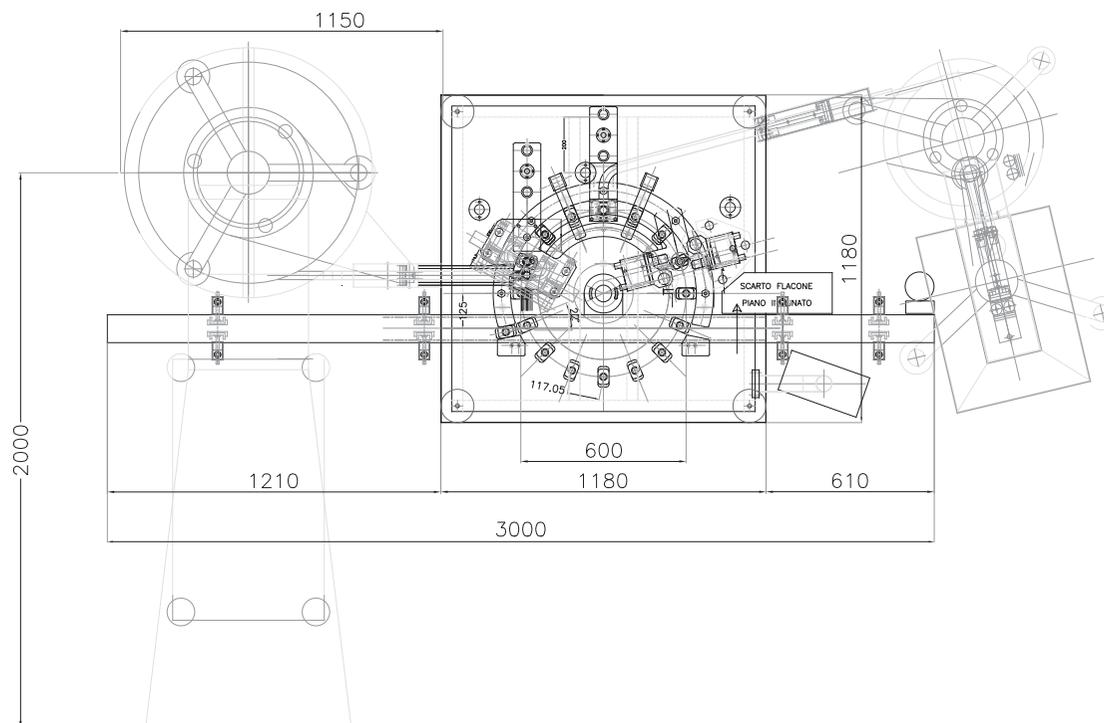
Technical data

Mechanical speed	60/min			
Power absorption	5 kW			
Pneumatic air	100-150 lt/min, 6 bar			
Weight	+/-1500 kg			
Size of the machinable bottles	A	B	Ø	H
	Min	20	20	35
	Max	250	250	350



GP1098

Intermitted Capper





EASY CAP 2.0

Intermitted Capper

Automatic single-head linear capper for a production up to 50 pcs/min.

This linear type capper allows the automatic insertion of dosing caps, screw caps and pressure caps with a maximum automatic production of 50 pcs/min.

The pre-capping head allows full automatic positioning on the bottle.

The system for stopping the bottles in phase is managed by the plant, normally used to place caps outside the packaging lines or to place a stopper before a capper.

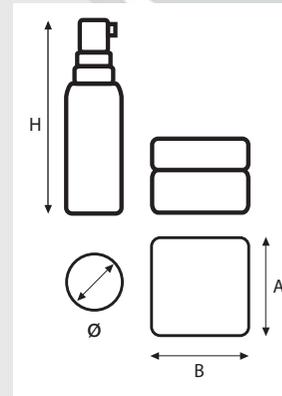
REMARK: all the capping machine functions are managed by a PLC which uses a special program that allows you to modify the parameters and save them.





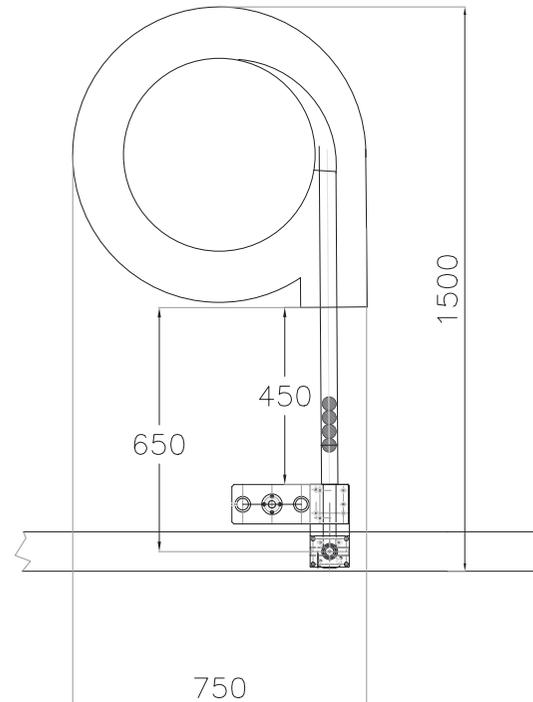
Technical data

Mechanical speed	50/min			
Power absorption	5 kW			
Pneumatic air	100-150 lt/min, 6 bar			
Weight	+/-1500 kg			
Size of the machinable bottles	A	B	Ø	H
	Min	20	20	35
	Max	100	100	250



EASY CAP 2.0

Intermitted Capper



Filling & Capping

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TP1 LINEAR BRUSHLESS

Automatic or Manual Brushless Single Head Linear Capper

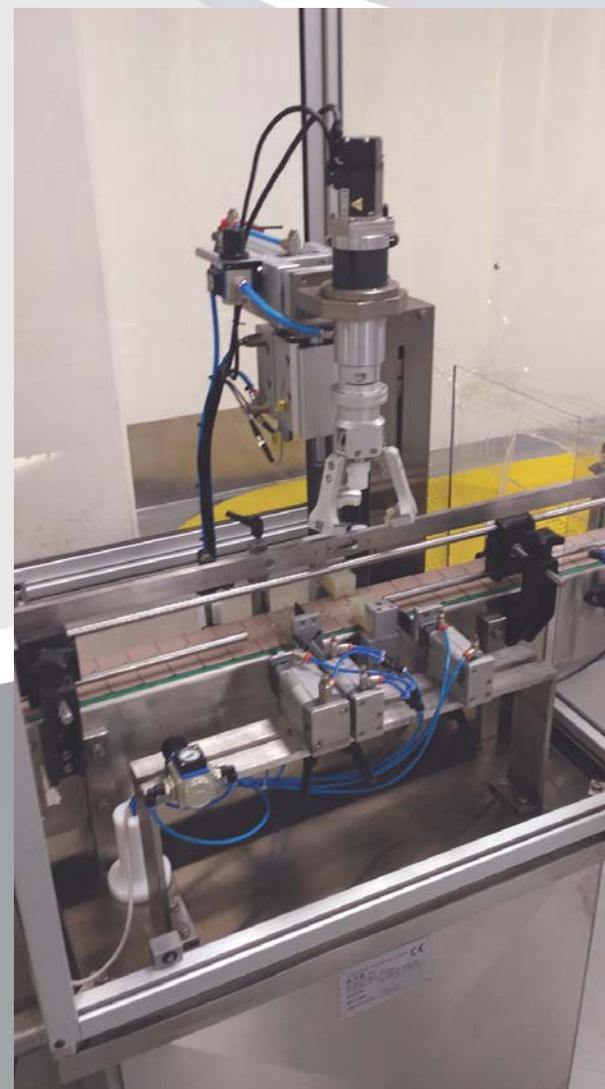
TP1 Linear Brushless Capper for a production up to 50 pcs/min.

This linear type capper allows the automatic insertion and closing of dispensers, screw caps and pressure caps with a maximum automatic production of 50 pcs/min.

The three-finger capping head with interchangeable inserts and quick release for format change allows to control the closure with a very wide range of use.

The TP1 Linear Brushless allows to check the correct closure of the cap with a predetermined operating torque with a system for any rejection due to incorrect closure.

REMARK: all the capping machine functions are managed by a PLC which uses a special program that allows you to modify the parameters and save them.



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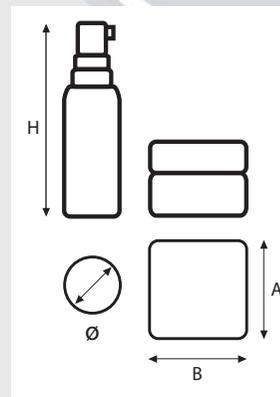
Filling & Capping

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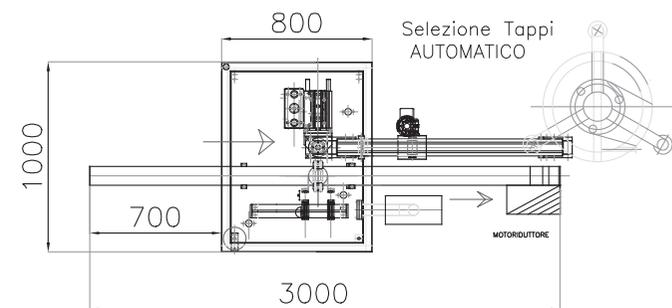
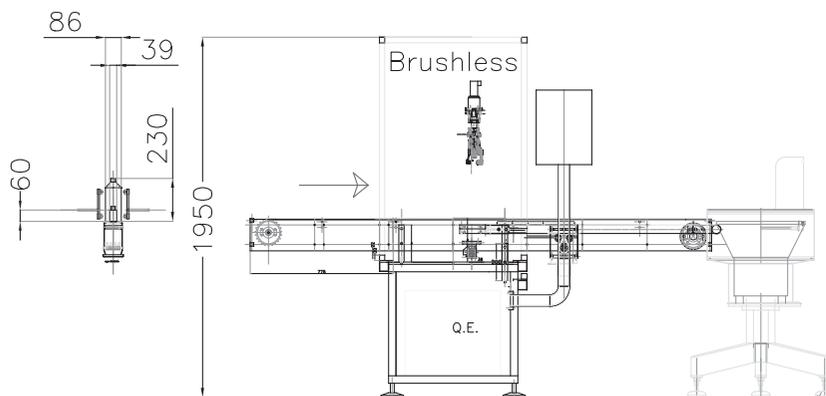
Technical data

Mechanical speed	50/min			
Power absorption	5 kW			
Pneumatic air	100-150 lt/min, 6 bar			
Weight	+/-1500 kg			
Size of the machinable bottles	A	B	Ø	H
	Min	20	20	35
	Max	100	100	250



TP1 LINEAR BRUSHLESS

Automatic or Manual
Brushless Single
Head Linear Capper



TAPPATORE Aut / Semi Aut



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Filling & Capping
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AV2_GAP® SCREWDRIVER

Bench screwdriver

Automatic bench screwdriver model AV2_GAP® able to screw with great resolution caps of various kinds and shapes with diameters from $\varnothing 17$ mm to $\varnothing 50$ mm.

The structure, made entirely of stainless steel, is designed to make format change as fast as possible.



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Technical data

Power supply 220V 50Hz

Power absorption 1 kW

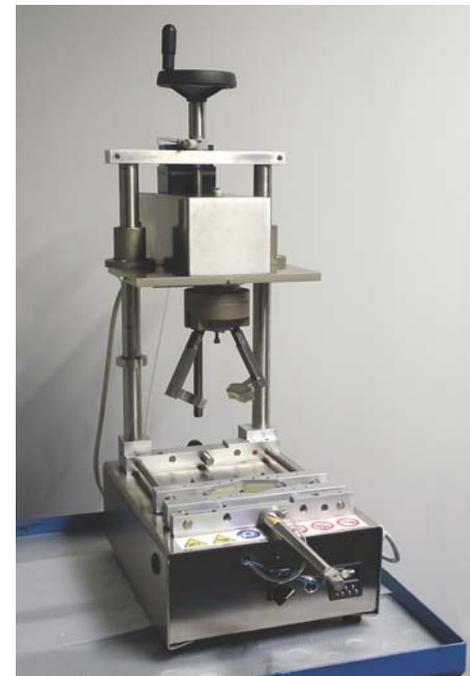
Pneumatic pressure 6 bar

Weight +/-1500 kg

Size of machinable caps	Ø	
	Min	17 mm
	Max	50 mm

AV2_GAP® SCREWDRIVER

Bench screwdriver



Filling & Capping
ATSDivision



EASY SCREWING 2021 CAPS & DISPENCER

Automatic Screwdriver

Frame and structures in stainless steel and aluminum.
Structure with base on the ground and predisposition
for fixing on a conveyor belt.

- Manual bottle cap loading
- Brushless motorized 2-jaw screwing head with torque control
- Bottle stop gates in correct screwing position
- Bottle anti-rotation group with interchangeable silicone insert for possible and future format change
- Bottle presence photocells to start screwing
- Electric panel integrated into the structure
- Siemens PLC with programmable times



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Filling & Capping

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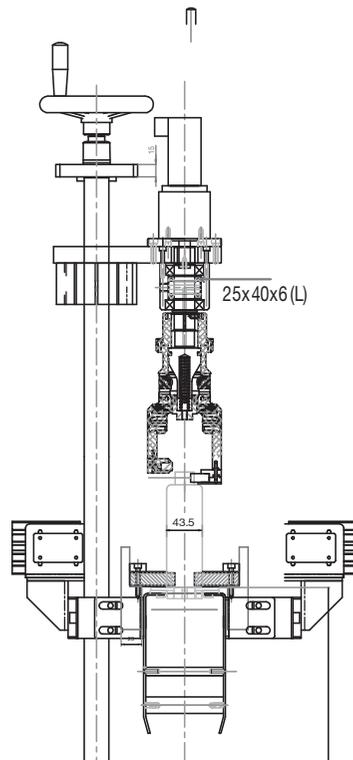
Technical data

Power supply 220V 50Hz

Power absorption 1 kW

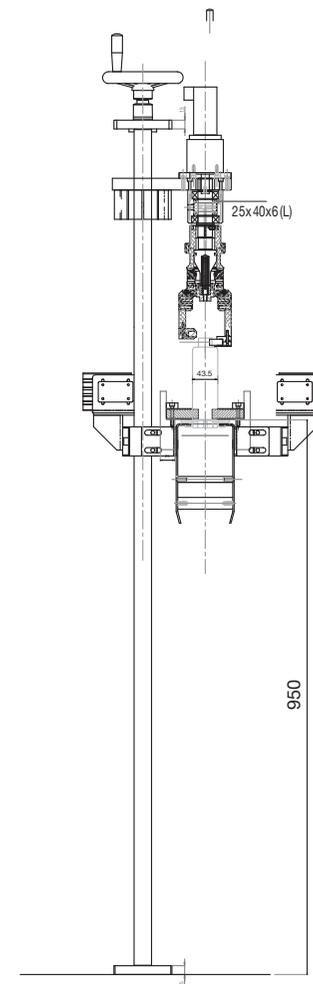
Pneumatic pressure 6 bar

Size of machinable caps	Ø	
	Min	15 mm
Max	70 mm	



EASY SCREWING 2021 CAPS & DISPENCER

Automatic Screwdriver





Filling & Capping

ATSDivision



Turbo Mixer

ATSDivision



End Line

ATSDivision



Revamping

ATSDivision



Special Machines

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Used Machinery

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Robotic

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Customer Service

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End Line
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End Line
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Carton Former MGX

Carton Former

This electro-pneumatic machine with PLC control logic is equipped with a piece counter and a stop with a minimum load of boxes. It is suitable for the partial formation and automatic coding of suitcases of various sizes, and is used in the pharmaceutical, cosmetic and food sectors.

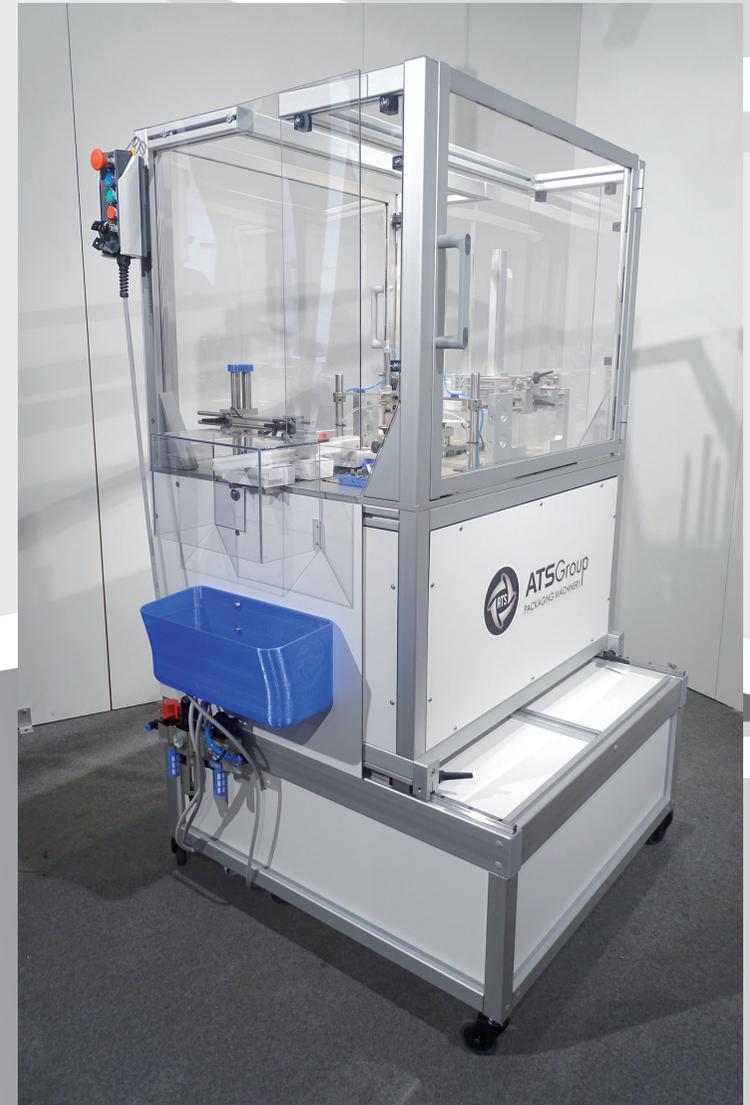
The need to package small quantities of products with quick and easy format changes, together with the simplicity of construction, enhance their use in small and medium-sized companies.

The machine can automatically form and code any type of suitcase and with blanks of any weight on both closing edges.

The suitcase is always closed from the back side.

The coding can take place either on both edges or on the chosen part.

The machine can work both on boxes with even (air) and alternating edges.



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End Line
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Technical data

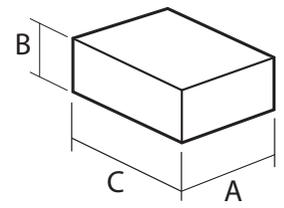
Mechanical speed 1440/hour

Power absorbtion 1.2 kW

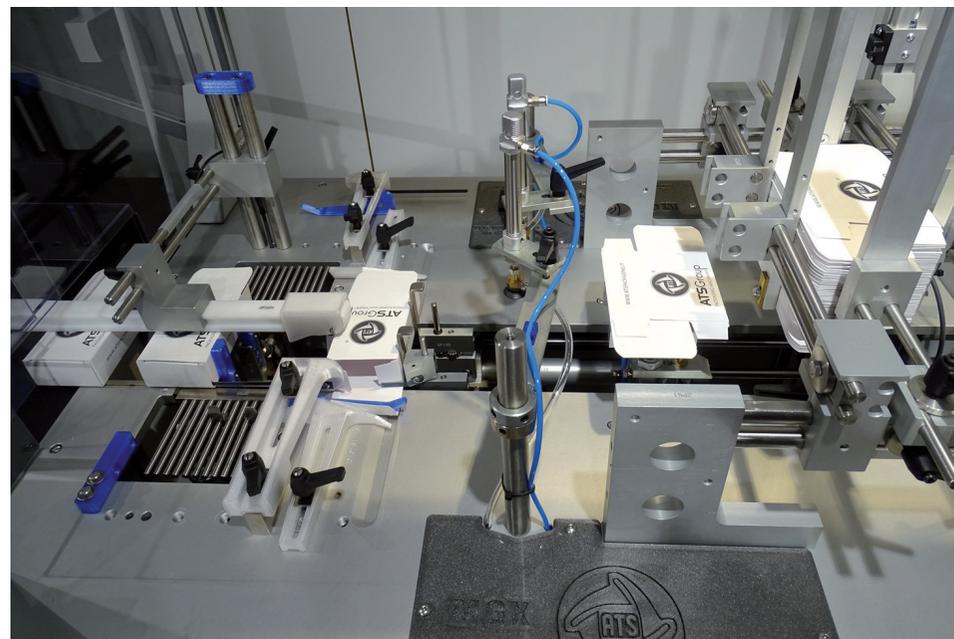
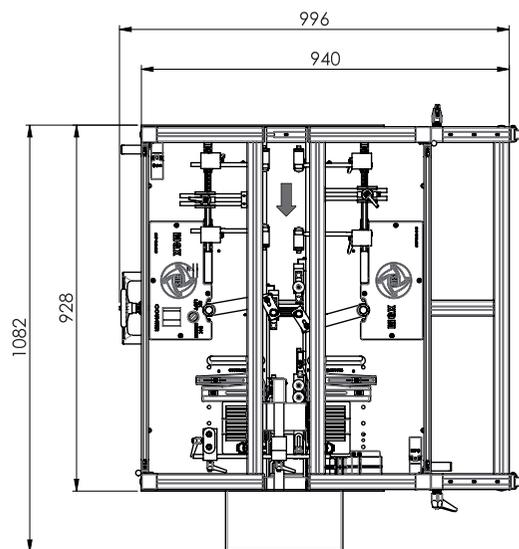
Pneumatic air 5 lt/min, 5 bar

Weight +/-150 kg

Size range	A	B	C	A+B
	Min	17	20	60
Max	120	80	250	200



H output cartons = 1013 mm
H max machine = 1703 mm



Carton Former MGX

Carton Former

End Line
ATSDivision



ATS AV

Intermittent motion vertical cartoner

Intermittent motion vertical cartoner model "AV" with the function of taking the carton from the machine's carton magazine, forming it with the possibility of marking it with lot and date, closing the lower side of the carton, inserting

the product into the carton manually or automatically (optional), insert a pre-folded leaflet (optional) and close the case.



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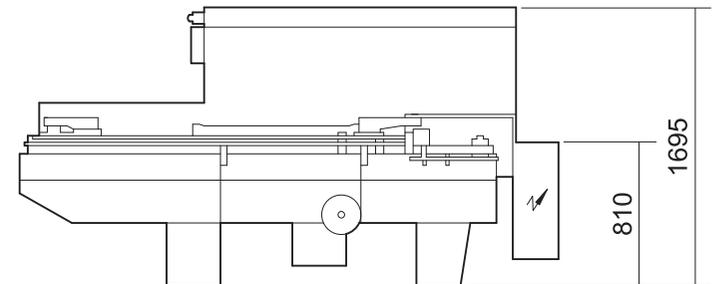
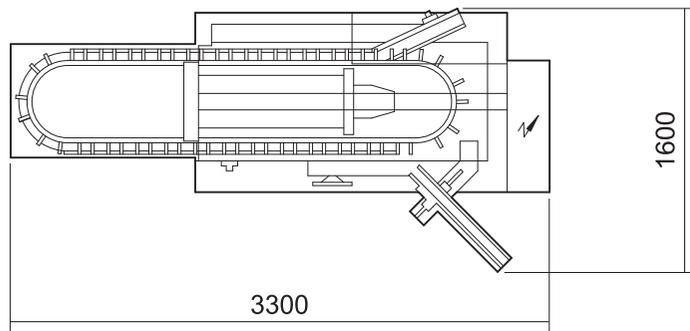
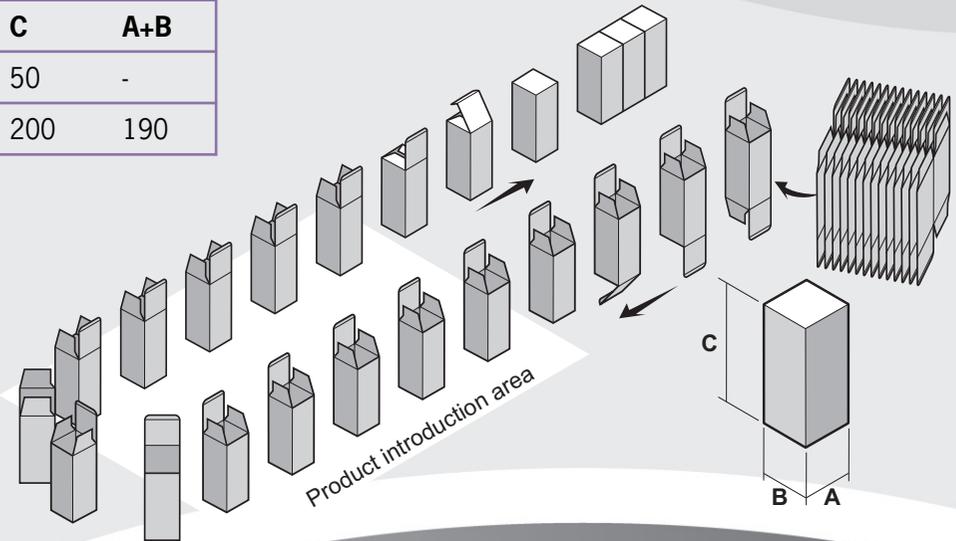
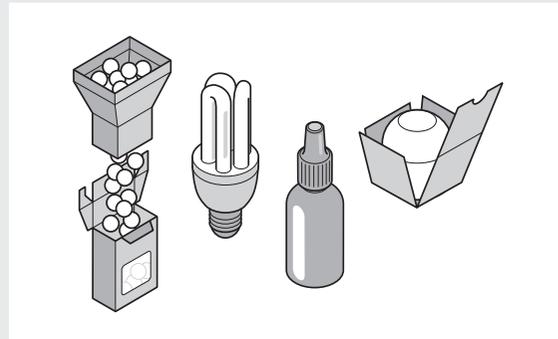
End Line
ATSDivision



Technical data

Mechanical speed	Strokes/min 15÷70			
Motors	1 kW			
Power absorption	1.2 kW (Hot-melt +3.9)			
Air pressure	16,9 lt/min, 5÷6 bar			
Gross weight	+/-1650 kg			
Net weight	+/-1200 kg			

	A	B	C	A+B
Size range				
Min	20	15	50	-
Max	115	75	200	190



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PACKAGING MACHINERY

ATS AV

Intermittent motion vertical cartoner

End Line
ATSDivision



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PACKAGING MACHINERY

ATS PMM

Intermittent motion horizontal cartoner

Intermittent motion horizontal cartoner model "PMM" with the function of taking the carton from the machine's carton magazine, forming it with the possibility of marking it with lot and date, closing the lower side of the carton, inserting the

product automatically from the machine's drawer chain loaded manually or automatically (optional), insert a pre-folded sheet (optional) and close the case.



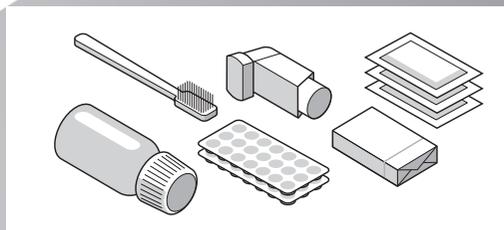
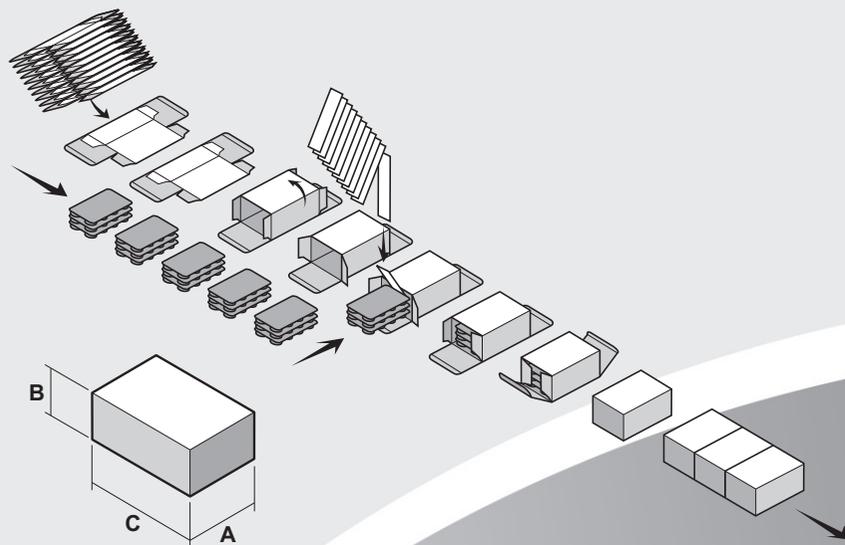
End Line
ATSDivision



Technical data

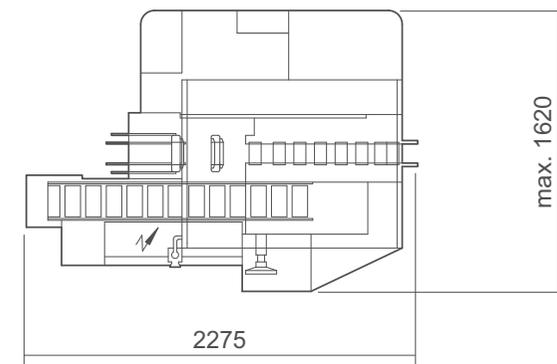
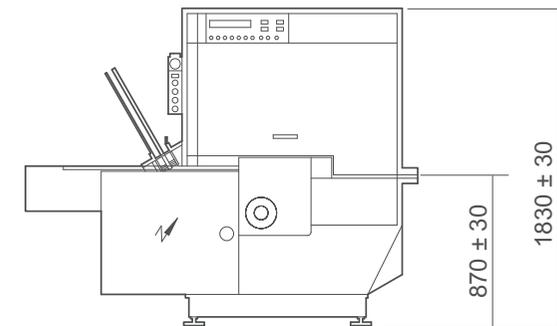
Mechanical speed	Strokes/min 25÷140
Motors	0,92 kW
Power absorption	1.55 kW (Hot-melt +3.9)
Air pressure	16,9 lt/min, 5÷6 bar
Gross weight	+/-1400 kg
Net weight	+/-1050 kg

	A	B	C	A+B
Size range				
Min	15	12	50	-
Max	90	70	200	140



ATS PMM

Intermittent motion
horizontal cartoner



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End Line
ATSDivision



ATS AP

Overwrapper machine with plate or belt sealing

- Overwrapper machine with plate or belt sealing model "AP", with the following characteristics:
- Automatic overwrapper cantilever style mod. "ap", suitable to wrap single or multiple regular-shaped products with heat-sealable material
- Mechanical memory (registered trademark) device for quick size change-over
- One set of change parts
- Independently driven conveyor with maximum load control and upstream machine stoppage
- Product separating and lifting device
- Counter-lifter to ensure perfect wrap of product during lifting phase
- Film unwinding device with intermittent motion by means of mechanical grippers
- Film cutting device by means of self-sharpening blades guillotine type
- Device for crossways sealing of wrapping film, fixed type placed on the product support deck
- Device to carry out the side folds by mechanical movements
- nr.3 Thermoregulators to control the temperature on crossways and side sealing
- Outfeed sealing by mechanical movements
- End of reel or film breakage control with machine stoppage
- Correct product positioning control prior to lifting
- Metacrylic (plexiglas) safety guards with microswitches
- Three-phase self-braking motor drive with continuous speed variation by means of expanding pulleys
- Torque limiter against mechanical overload
- Reel centering device in case of film irregularly wound
- Fast reel replacement
- Electrical power supply voltage and frequency complying with customer requirements (to be stated in order specification). (standard power supply: 3 x 400 volt, 50 HZ. + E + N)



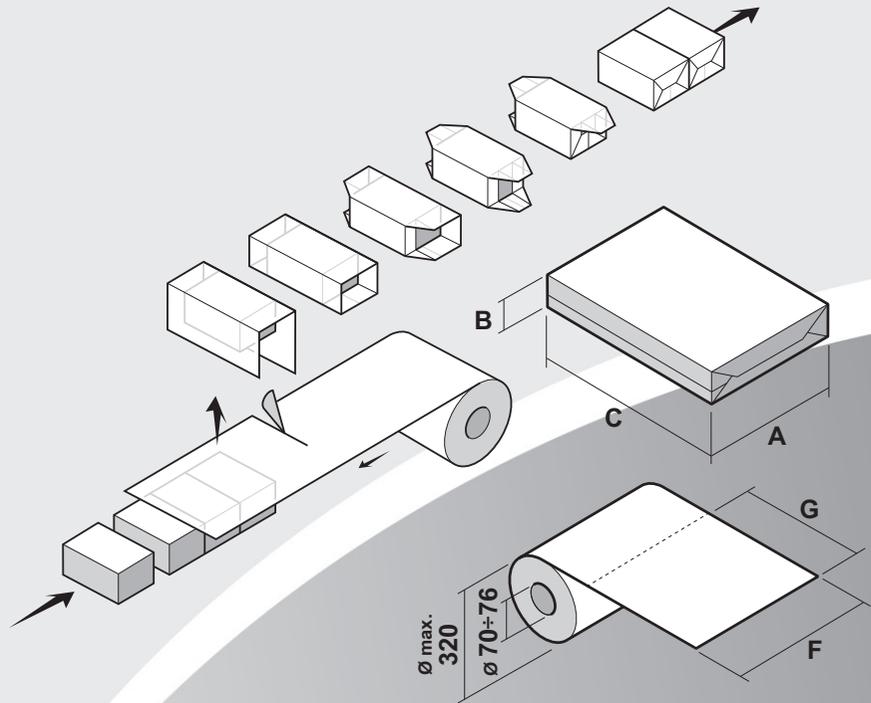
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End Line
ATSDivision



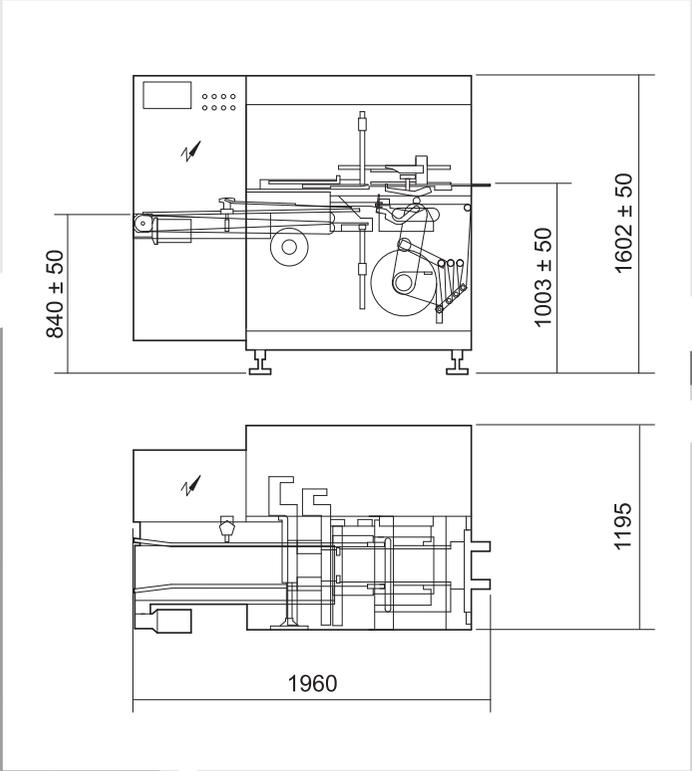
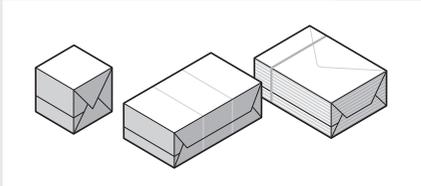
ATSGroup
PACKAGING MACHINERY

Technical data						
Mechanical speed	Strokes/min 28÷70					
Motors	0,92 kW					
Power absorption	3.33 kW					
Air pressure	300 lt/min, 5÷6 bar					
Gross weight	+/-1350 kg					
Net weight	+/-1150 kg					
Size range		A	B	C	F	G
	Min	35	15	60	100	150
	Max	150	80	300	400	450



ATS AP

Overwrapper machine
with plate or belt sealing



End Line
ATSDivision



ATS GT500 case packer

Automatic case packer

“ATS GT-AT” automatic case packer with Epson Robot Scara for handling the product gripping head with 360 ° rotation, maximum operating range 600 mm, vertical axis travel 300 mm interfaced with Siemens PLC to manage all application functions).



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End Line
ATSDivision

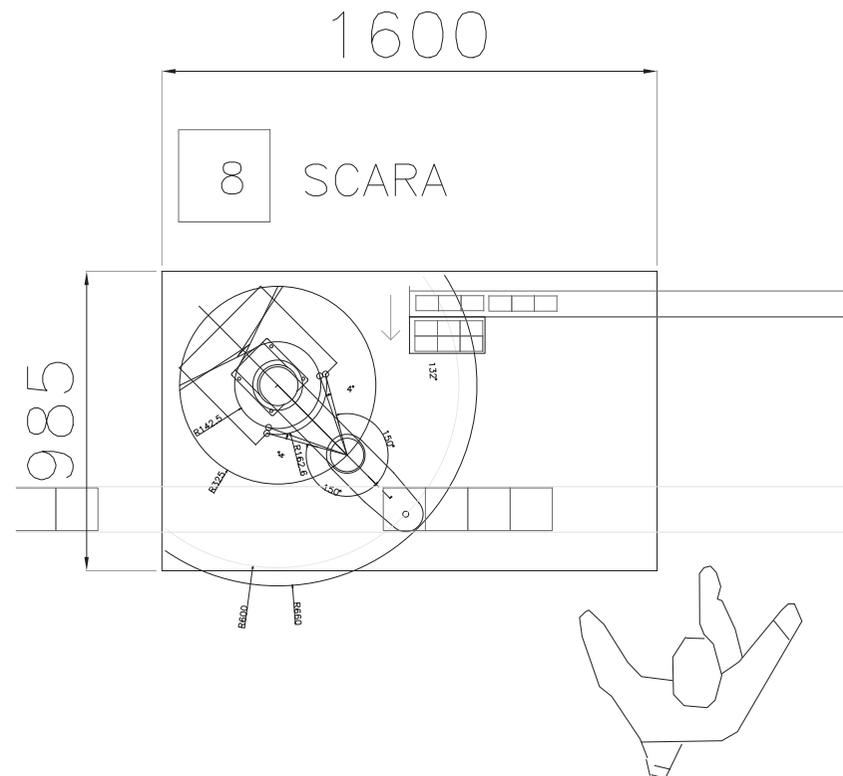


Dati tecnici

Mechanical speed	500 cartons/hour
Power absorption	5 kW
Pneumatic air	100-150 lt/min, 6 bar
Weight	+/-1000 kg
Size range	adaptable to any type

ATS GT500 case packer

Automatic case packer



ATSGroup
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ATS IP-RBM

Automatic Robotic Case Packer and Palletizer Monoblock

Easy to use – overall dimensions reduced; core of the system is the anthropomorphous type robot arm (4 or 6 axis), which carries out the main machine operations.

The robot arm work is assisted by several "work stations":

- Carton extraction, formation and transfer to the filling station
- Containers pick up from the collection table, and feeding into the carton box
- Carton upper/lower flaps sealing (self adhesive tape or hot-melt glue)
- Finished boxes coding (self adhesive label, print & apply, ink-jet, etc.)
- Carton boxes palletization (pallet placed on the floor or on motorized chain/roller conveyer)



End Line
ATSDivision

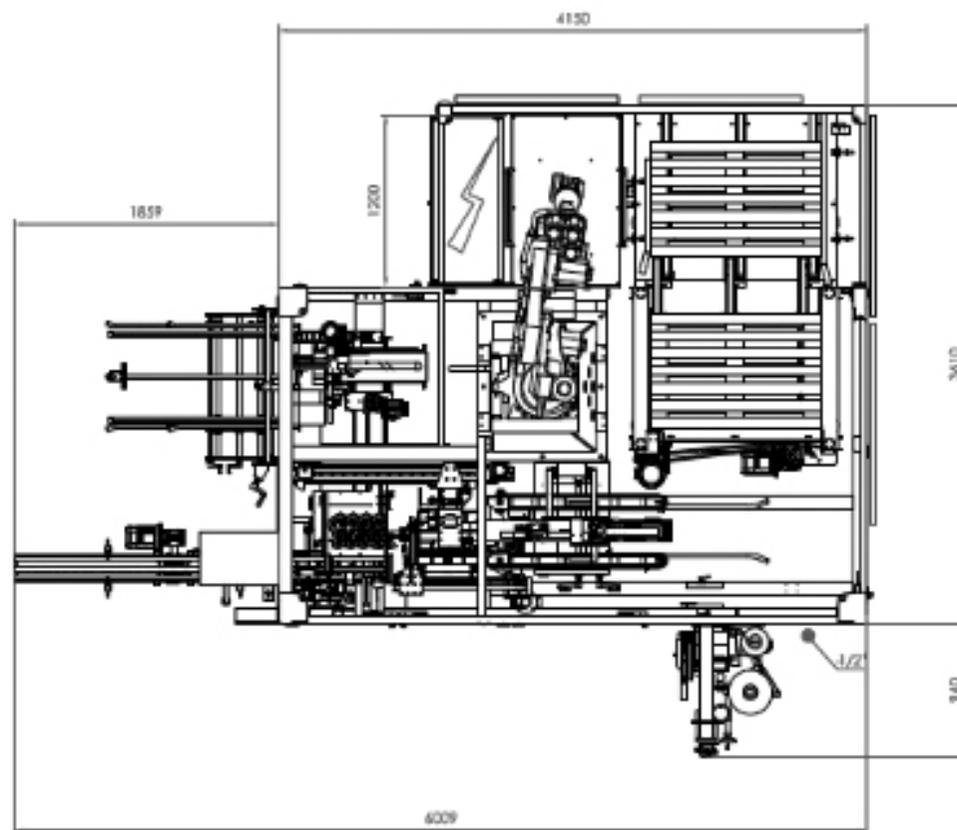


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Technical data	
Mechanical speed	60 pcs/min
Power absorption	16 kW
Pneumatic air	100-150 lt/min, 6 bar
Size range	adaptable to any type

ATS IP-RBM

Automatic Robotic
Case Packer and
Palletizer Monoblock



End Line
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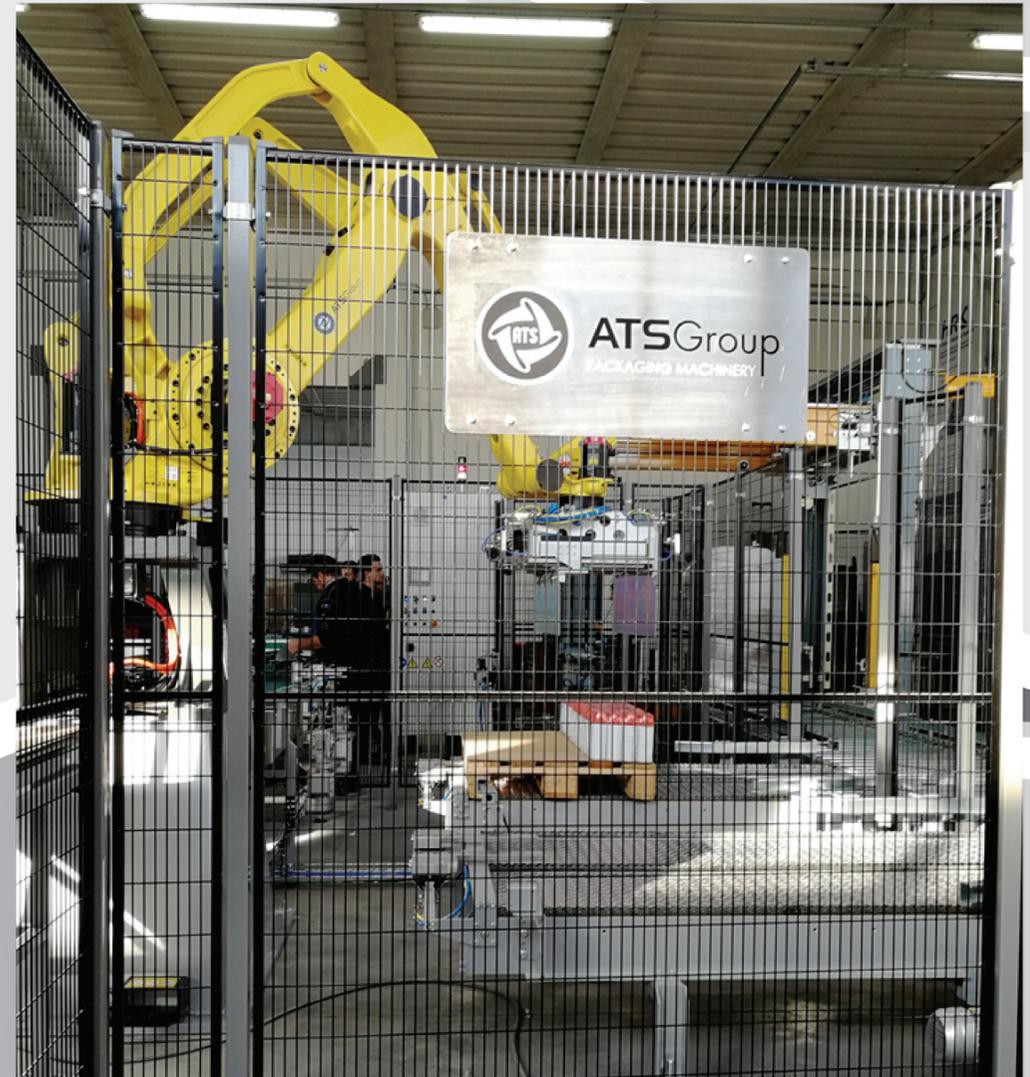
IRAP600H robotic isle

Palletizer

IRAP 600H is a high-performance robotic isle work area for palletizing products at a maximum speed of 600 cycles / hour.

The robot arm support is made of powder coated Fe 360 steel sheet, fixed to the floor with perimeter protection in metal mesh and motorized pallet transports (rollers or chains).

IRAP 600H is equipped with an empty pallet picking system from a pile and storage on the palletizing station, manual loading pad store located inside the perimeter protection, several models available based on product type / shape treated per product pre-formation zone, robot arm anthropomorphic type with 4 axes, several models available based on product type / shape treated with a terminal element and main electrical cabinet complete with light column to signal machine / alarm status, PLC and touch-screen unit.



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End Line
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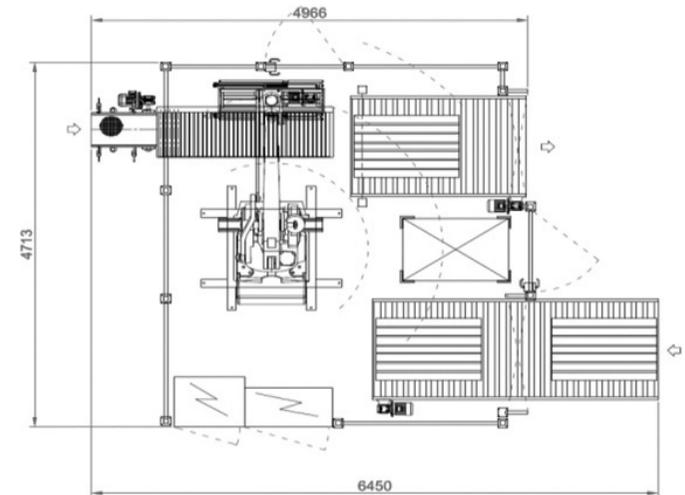
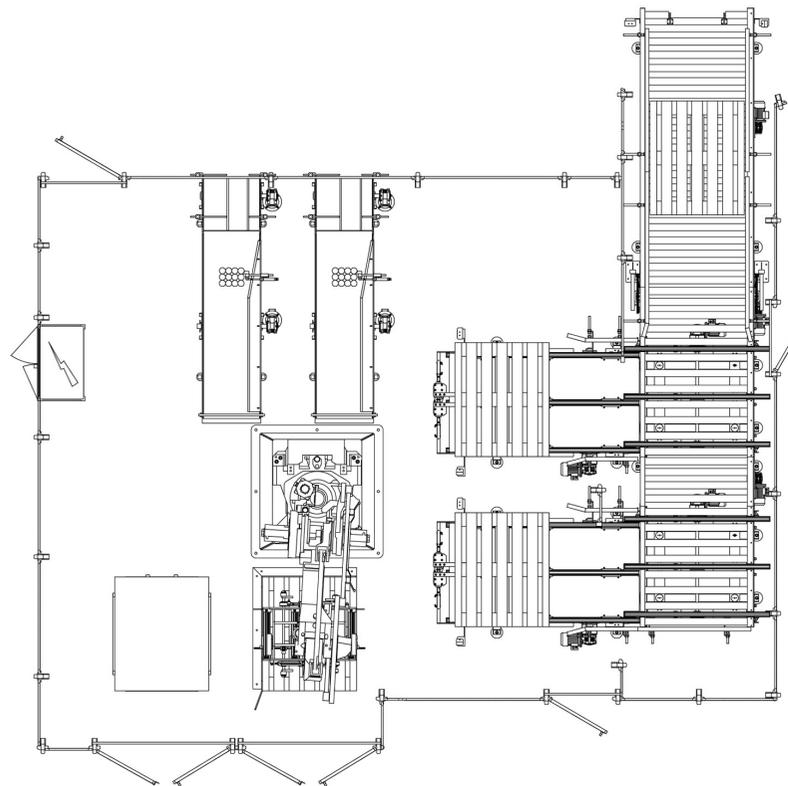


Technical data

Mechanical speed	600/hour
Power absorption	16 kW
Pneumatic air	100-150 lt/min, 6 bar
Size range	adaptable to any type

IRAP600H robotic island

Palletizer



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End Line
ATSDivision



ATS RDP550

Depalletizer Robot

- Robot support pedestal made in Fe 360 steel plate, bolted to the floor
- Metallic net perimeter safety guard
- Motorized pallet conveyors (rollers or chain type)
- Pallet film removal platform (full pallet loading point)
- Column type tray/layer pad removing unit
- Tray/layer pad magazine
- Automatic empty pallet magazine
- Containers pick up by rows
- 6 axis anthropomorphic type robot arm
- Picking head: several models available according to the type/shape of product handled
- Main control cabinet complete with top luminous beacon for machine status/alarm visualization, plc and touchscreen unit



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End Line
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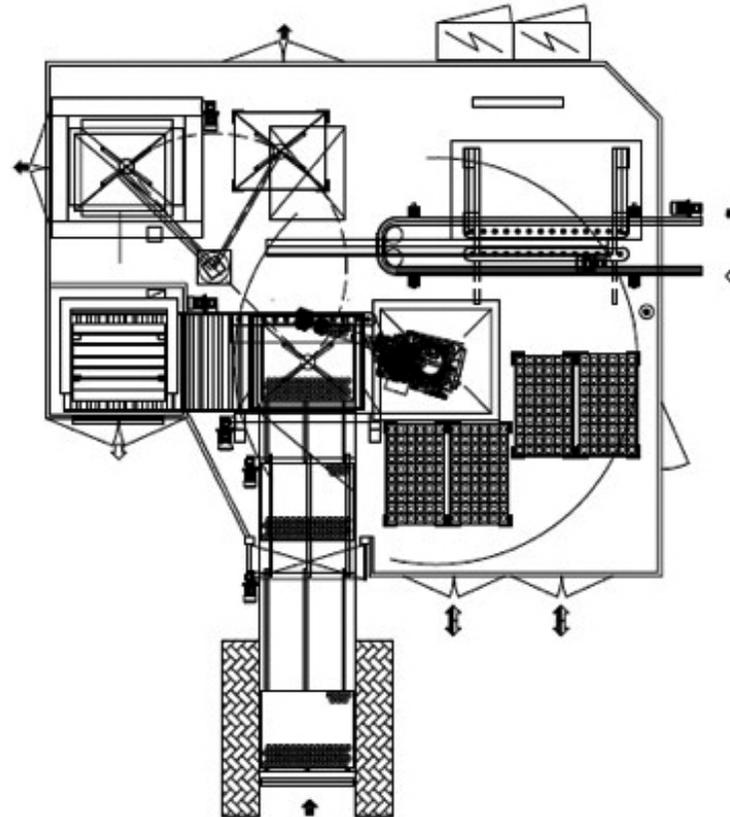


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Technical data	
Mechanical speed	550 cycles/min
Power absorption	16 kW
Pneumatic air	100-150 lt/min, 6 bar
Size range	adaptable to most existing bottles

ATS RDP550

Depalletizer Robot





Filling & Capping

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Turbo Mixer

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TS-F THERMO WELDER MACHINE

Aluminum foils

TS-F is a machine of last generation that welds through an induction head an aluminium foil on the mouth of a glass or plastic container.

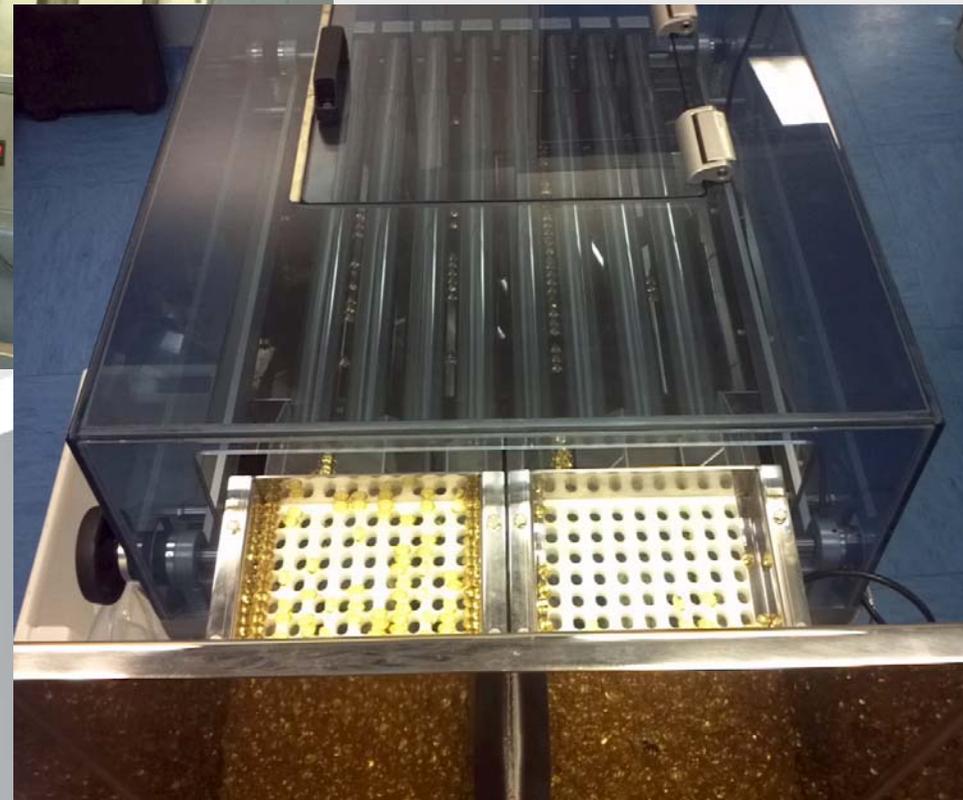
The machine is equipped with a cadencer that leads the products keeping on the correct distance from each other

under a sealing head that by means of induction welds the foil on the mouth of the container and checked by a quality control system which guarantee the correct process and discarding non-conforming products automatically from production lines without stop line.



Soft gel grading machine Wall-E

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Filling & Capping mascara line

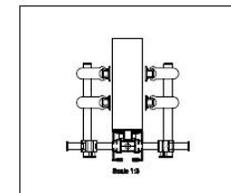
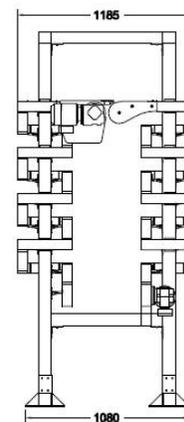
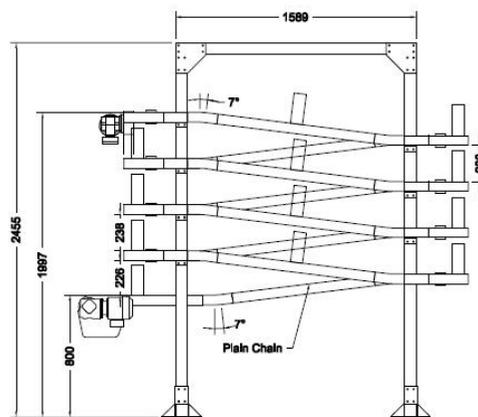
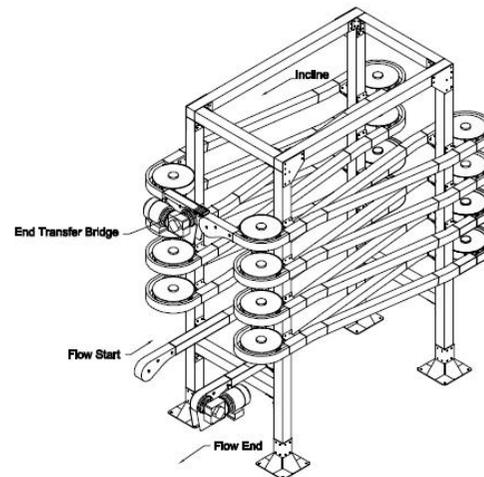
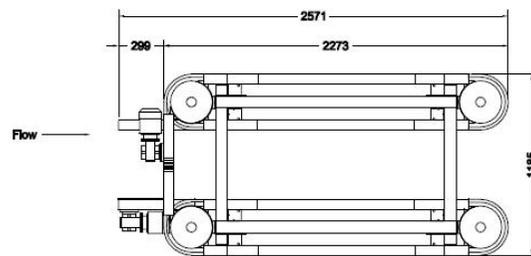
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Special conveyors for vertical storage



Special Machines
ATSDivision



Continuous 90° elliptical bottle rotation system

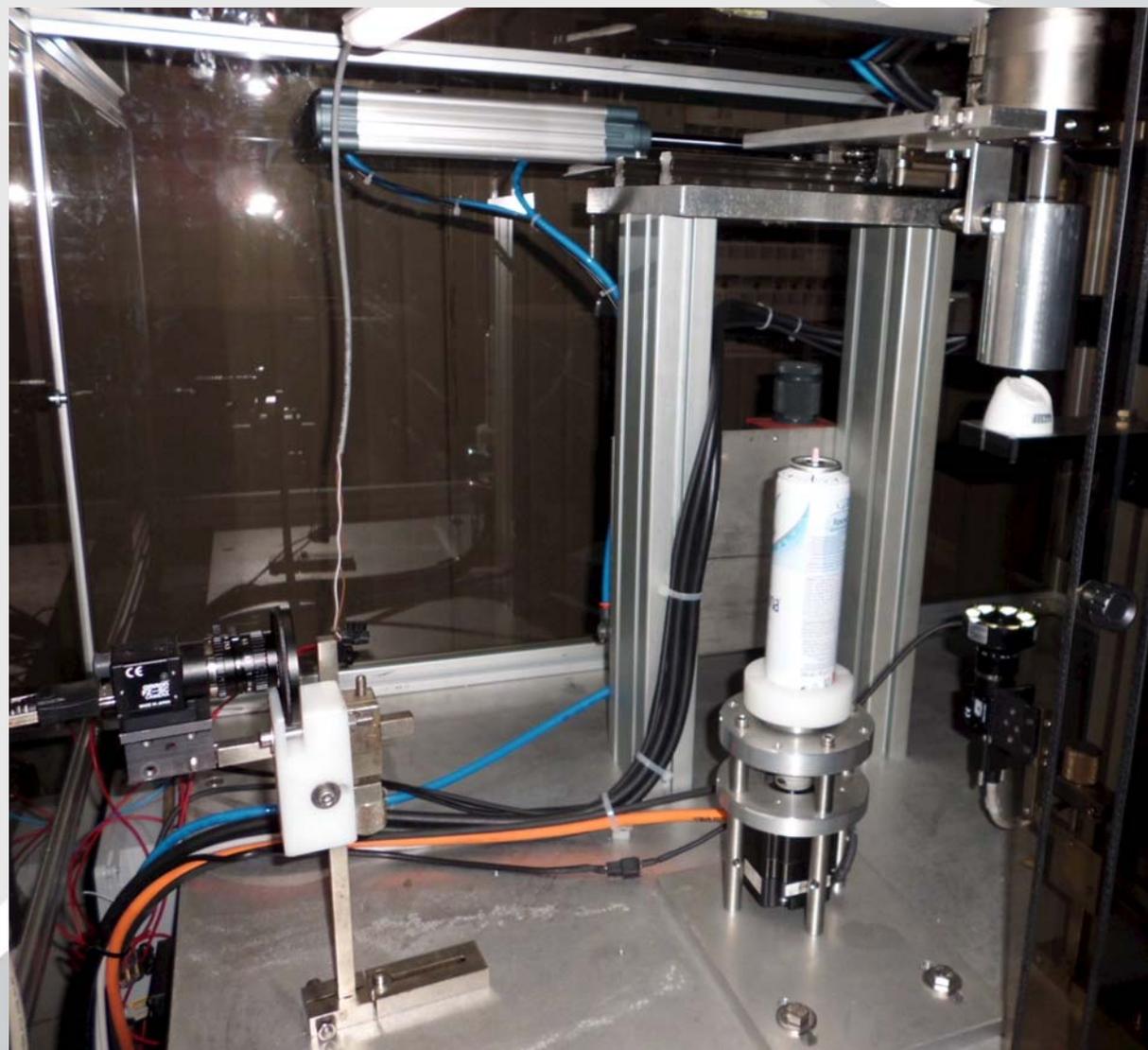


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Special Machines
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Cap and orientation system with double recognition camera



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Special system for loading oval tubes

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Carton sheeter with inkjet variable data marking system



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Collaborative Robot research and development



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Scara Robot research and development

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Cold Emulsion

Process patent

The **new ATS process patent** is called **COLD EMULSION** with integrated micronization.

In more than twenty years of experience ATS Group has conceived and developed countless innovative solutions in the field of packaging technology.

Cold Emulsion is added to the list of ATS patents, revolutionizing the preparation and packaging of cosmetic products by **eliminating the heating phase of raw materials** thanks to an integrated process of mixing and micronization at high speed and quality, moreover the process allows the micronization of pigments loaded directly without the prior passage through the cylinder refiner.

Turbo Mixer
ATSDivision



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PACKAGING MACHINERY



Loredana Guglielmetti
Firmato da: uibm-
brevetti
Roma, 21 maggio

MISE_A00_PIT_REGISTRO UFFICIALE_U_0154200_21-05-2021

 *Ministero dello Sviluppo Economico*
Direzione generale per la tutela della proprietà industriale
Ufficio Italiano Brevetti e Marchi

ATTESTATO DI BREVETTO PER INVENZIONE INDUSTRIALE

Il presente brevetto viene concesso per l'invenzione oggetto della domanda:

N. 102019000010236

TITOLARE/I: • ATS S.r.l. 100.0%
Mati Silvia

DOMICILIO: Thinx S.r.l.
P.le Luigi Cadorna 10
20123 Milano

INVENTORE/I: • Franzoni Dario

TITOLO: PROCESSO DI PREPARAZIONE E CONFEZIONAMENTO DI UN PRODOTTO COSMETICO
E IMPIANTO IMPLEMENTANTE LO STESSO

CLASSIFICA: B01F

DATA DEPOSITO: 27/06/2019

Roma, 21/05/2021

Il Dirigente della Divisione VII
Loredana Guglielmetti

Documento informatico, redatto e firmato digitalmente ai sensi degli artt. 20 e 21 del D. Lgs. 82/2005 e s.m.i.

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Turbo Mixer
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Turbo Mixer
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TURBO MIXER 4.0

Innovative emulsifier pump

Turbo-emulsifiers of the Turbo Mixer 4.0 series allow to realize liquid and semi-solid formulations, even with high viscosity, with a higher efficiency compared to the traditional machines used in the process industry.

Turbo Mixer 4.0 has reduced dimensions with great productive, is fast in the production cycle thanks to the new pump able to guarantee the recycling of whole residual of the product inside the hopper even when cold.

The emulsifier pump is able to mix and transfer products with a maximum viscosity of 300.000 CpS (continuous viscosity meter).

Turbo Mixer 4.0 has an internal system to heat the hopper, designed to cool the loading hopper with controlled temperatures. Turbo Mixer 4.0 has the possibility to work under vacuum with a special internal system.

Turbo Mixer 4.0 is equipped with an automatic washing system of all the internal production parts automatically with the possibility of assembly and disassembly for deep rapid cleaning.

Turbo Mixer 4.0 is able to discharge or transfer the product through the internal emulsifier pump without the aid of another pump outside the system.

Turbo Mixer 4.0 is equipped with the new AAO system for the programming of the ordinary and extraordinary maintenance so the operator can carry out the scheduled maintenance programmed according to a specific schedule keeping the plant in perfect conditions.

The machine management is entrusted to a PLC and a 7" color touch screen complete with recipes that can be configured to suit your needs, communication with Ethernet port for diagnosis and alarm management, batch data recording.

Turbo Mixer 4.0 is built according to GMP and CE specifications.



Turbo Mixer
ATSDivision



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PACKAGING MACHINERY

TURBO MIXER 4.0

Innovative emulsifying pump

Model	Length	Depth	Closed height	Open Height	Power kW	Power supply
Turbo Mixer 4.0 30L	1200 mm	700 mm	1200 mm	1800 mm	3,5	230 – 400 V
Turbo Mixer 4.0 150L	1600 mm	800 mm	1600 mm	2000 mm	7,5	400 V
Turbo Mixer 4.0 300L	1500 mm	1100 mm	2250 mm	3200 mm	15,00	400 V
Turbo Mixer 4.0 600L	1500 mm	1100 mm	2600 mm	3200 mm	15,00	400 V
Turbo Mixer 4.0 1200L	2000 mm	3000 mm	3300 mm	4100 mm	30,00	400 V
Turbo Mixer 4.0 2500L	2000 mm	3000 mm	3600 mm	4100 mm	30,00	400 V



Turbo Mixer
ATSDivision



IMAV4

High speed mixing plant

IMAV4 is a high speed mixing plant for various types of products of different viscosity and different characteristics. The system is controlled with load cells and uses an emulsifier pump to mix the raw materials at high speed. The whole working cycle is automated and controlled by a high precision load cells. The product loading phases are automatic or manual with indication of the content to be loaded through the operator panel.

Each processing phase is programmable according to recipe with specific functions of analysis and control of the process.

The plant is composed of a mixing tank with a capacity of 2500 liters and a storage tank of mixed product of 2500 liters, complete with mixing pump and relaunch pump in the packaging line.



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Technical data

Productivity (mixed product) 10.000 lt/hour mixed product

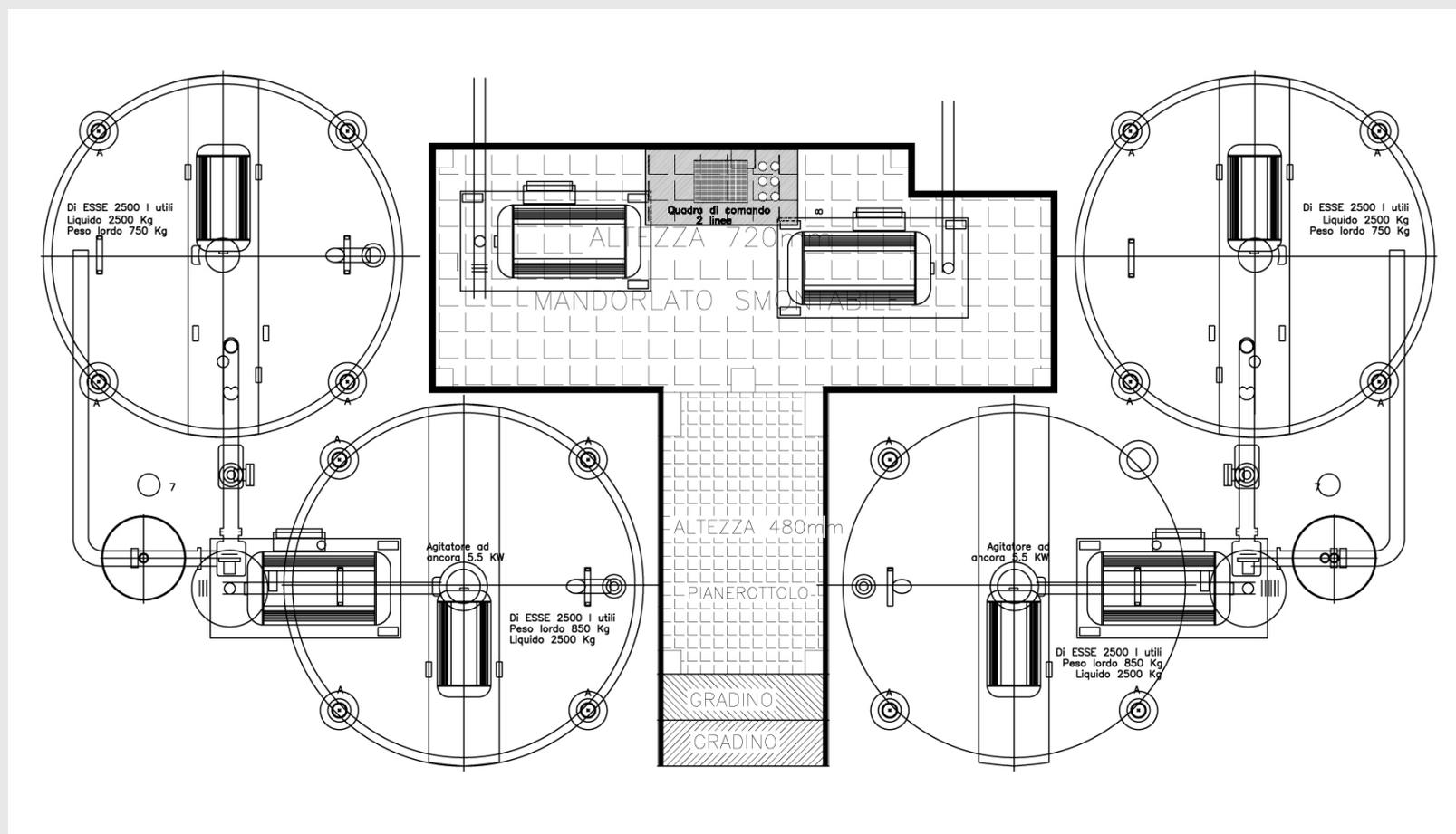
Power absorption 75 kW

Pneumatic air ÷50 lt/min, 6 bar

Weight +/-5000 kg

IMAV4

High speed mixing plant





Filling & Capping

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Turbo Mixer

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End Line

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Revamping

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Revamping
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FILLING & CAPPING MONOBLOCK

Full revamping

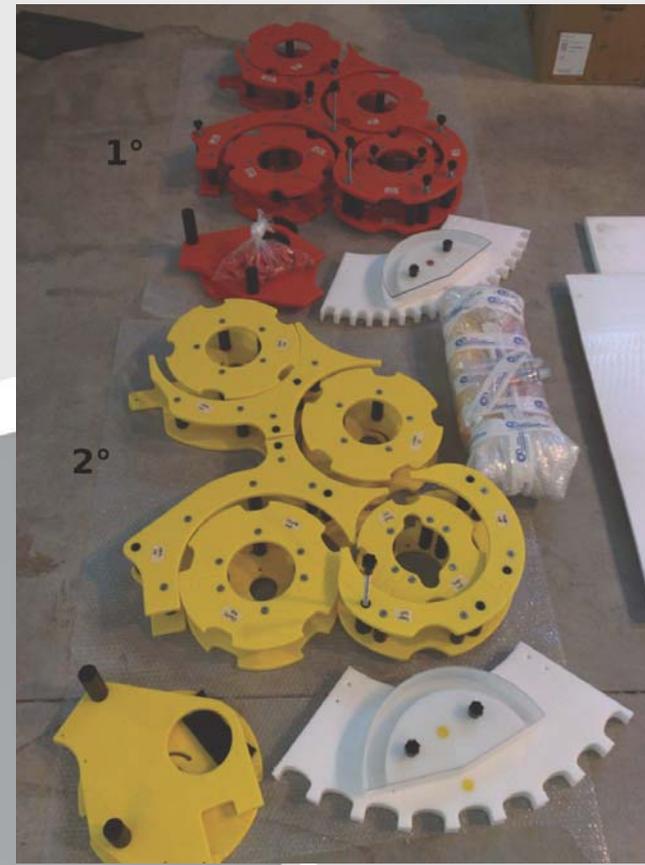
ATS Group, at the customer's request, carries out revamping complete with machines also built by third parties.

Complete revamping of all the mechanics of the machine, complete revamping of the electrical panel and development of new software based on customer needs.

BEFORE



AFTER



ATSGroup
PACKAGING MACHINERY

Revamping
ATSDivision



SHRINK-WRAPPING MACHINE

Full revamping

ATS Group, at the customer's request, carries out revamping complete with machines also built by third parties.

Complete revamping of all the mechanics of the machine, complete revamping of the electrical panel and development of new software based on customer needs.

BEFORE



AFTER



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ROTATIVE MONOBLOCK

18 Filling heads 6 Capping heads – Full Revamping

ATS Group, at the customer's request, carries out revamping complete with machines also built by third parties.

Complete revamping of all the mechanics of the machine, complete revamping of the electrical panel and development of new software based on customer needs.

BEFORE



AFTER



ATSGroup
PACKAGING MACHINERY



ROTATIVE MONOBLOCK 36 HEADS

Full Revamping

ATS Group, at the customer's request, carries out revamping complete with machines also built by third parties.

Complete revamping of all the mechanics of the machine, complete revamping of the electrical panel and development of new software based on customer needs. In this case the customer needed a machine capable of reaching a high speed.

The product to be packaged is a cosmetic product of a well-known french manufacturer. We have revamped a rotary machine with flow meters

dosing, changing the format and making the necessary changes to achieve certain performances, plus we have provided new builder bottle and cap unscrambles and a labeling machine.

The machine, after F.A.T. (final acceptance test) and S.A.T. (site acceptance test) at the customer's site, runs at maximum performance.

We thank our technicians for the professional execution and the great passion demonstrated during this huge revamping project.

BEFORE



AFTER



Revamping
ATSDivision



ROTATIVE MONOBLOCK 270 pcs/min

Full Revamping

ATS Group, at the request of the customer, realizes complete revamping of machines also built by third parties. Complete reconstruction of the machine's mechanics, complete reconstruction of the electrical panel and development of new software based on customer needs. In this case the customer needed a machine capable of reaching a high speed.

The product to be packaged is a pharmaceutical product with bottle, under cap and cap.

We have revamped a machine for filling, undercapping and

capping by changing the format and making the necessary changes to achieve certain performances, plus we have supplied new bottles unscramblers, undercaps unscramblers and caps unscramblers and a labeling machine. The machine, after the F.A.T. and the S.A.T. tests runs at 270 pieces per minute.

We thank our technicians for the professional execution and the great passion demonstrated during this huge revamping project.

BEFORE



AFTER



ATSGroup
PACKAGING MACHINERY

Revamping
ATSDivision



ATEX II G CLASS MONOBLOCK

Filling & Capping - Full Revamping

ATS Group, at the request of the customer, realizes complete revamping of machines also built by third parties.

Complete reconstruction of the machine's mechanics, complete reconstruction of the electrical panel and development of new software based on customer needs. In this particular case the request was to have a fully compliant machine to work in ATEX II G class (explosive environment).

We have removed the electrical panel as per regulation 2 meters from the dosing point and 1 meter from the ground and made all necessary precautions to work in ATEX II G class, completely revamped the machine and designed and built new safety protections to be able to certify the machine according to CE.

BEFORE



AFTER



ATSGroup
PACKAGING MACHINERY



Customer Service

"Customer Service" is the branch of our company that follows our customers step by step, from design to after-sales service, through a study of 360° solutions aimed at improving the production performance of lines supplied to the customer both by ATS and by third parties.

DESIGN

Our technicians work closely with the customer to design the solutions needed by the customer in the best way and in the shortest time possible while also offering constant technological advice.

AFTER-SALES

Our after-sales service is very advanced due to the remote assistance modules present on each machine we manufacture.

All the machines we manufacture can be controlled on real time by our software any operating and the cause of it.

360° CUSTOMER SERVICE

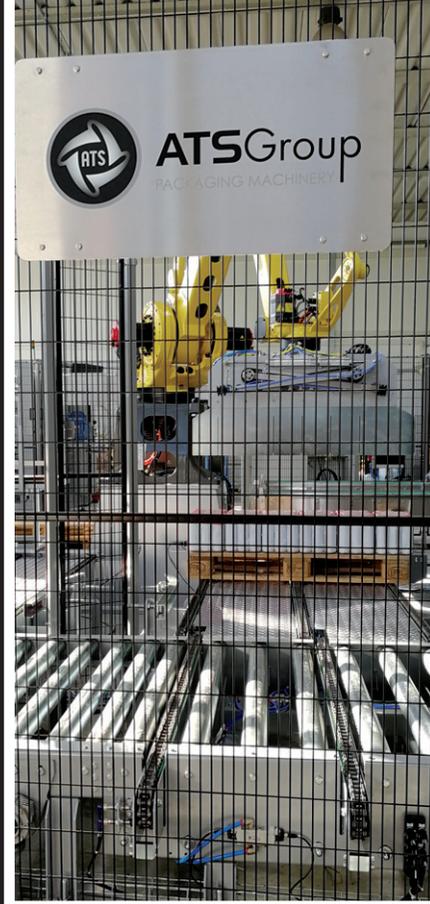
Whatever the customer needs, ATS also provides assistance on third party machinery in order to improve the performance of the customer's productivity.





ATSGroup
PACKAGING MACHINERY

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ATSGroup
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