



 **BORELLI** group
innovative bottling solutions



Innovative **bottling** solutions



You can have everything

Why choosing between price and quality?

The new range of BORELLI group is the evidence that you can have both. While designing it we kept in mind a difficult yet stimulating target. In fact, it was not easy improving a product already reliable, a product leader of the market since it had been chosen with satisfaction by thousands of customers all over the world and not only for the excellent value for price.

In the guideline of our company, we aimed at improving it without weighing too much on the costs. Objectively, it was not simple, but today we are proud of the results attained and we are pleased to present the product of our work.

Many technical and stylistic improvements have been introduced in the new range and affirming that we are at the absolute top in the segment of the bottling machines for small to medium production is not a mere slogan.

As always, quality is included in the price.



A bit of our story

Officially BORELLI group Srl was established in 1994, reviving the experience and the technical heritage of a preceding entrepreneurial business. In fact the Borelli family has been operating in this sector since 1969. Already in the 70s the firm imposed itself as one of the most important manufacturers in the world in the segment of closing systems for glass bottles, for medium production rates, mainly for the oenological branch; in the 80s the production was diversified with the fillers and the first filling-closing monoblocks.

BORELLI group today

BORELLI group is a modern industrial company always aware of the needs of a market in continuous and very rapid evolution.



We offer targeted solutions for the rinsing, filling, and closure and glass and plastic bottles for wine, oil, distillates, liqueurs, natural water and non-carbonated liquids in general, up to production rates of 16,000 bph.

We have the conviction that we can offer the best value for price on the market.

We have always committed ourselves to study new solutions in our projects and production processes to increase the quality of our products without affecting the costs and consequently the sale prices of remarkably. Following this guideline we could impose our range of equipments on the international market and now we can boast a production of over 250 machines per year and a constantly growing number of machines in operation.

The company



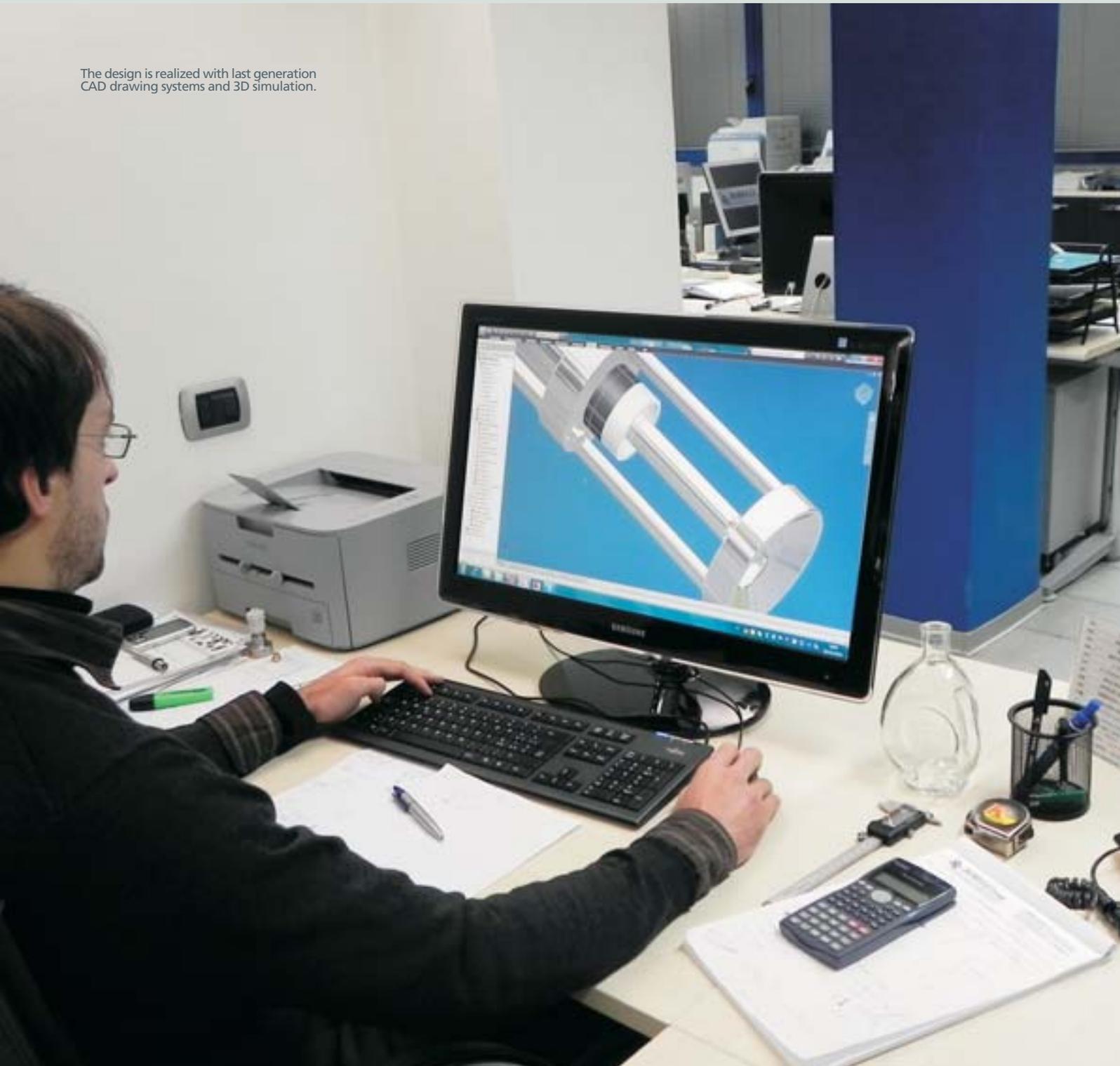
In line with your expectations

BORELLI group is a modern company, managed by a highly specialized team, able to exchange information in real time with the customers and collaborators all over the world using all communication channels nowadays at disposal. Customer care of the in has always been an absolute and primary target of our work.

With 40 years' work in this sector we can offer not only the quality product but an efficient after sale service for the maintenance and the supply of spare parts.

With the support of our organization a BORELLI group machine is a safe investment guaranteed in the time.

The design is realized with last generation CAD drawing systems and 3D simulation.



Is it possible to offer a quality product at a competitive price?

Our reply is "Yes, it is possible!". It is an ambitious target yet attainable thanks to the optimization and rational use of all human resources and the best technologies available now together with a discerning purchase policy. For this reason we use the best technologies in every cycle of the production process: design, manufacturing of the parts, assembly, and management.

The company



Management and production

Thanks to a modern shop of CNC machines over 90% of the mechanical components for the construction of our machines are produced in our works. An advanced and careful approach in the policy of the purchase of raw material further contributes to a correct management of the production costs.

Shop of the CNC machines



Assembly shop

Flexibility without limits

The modular and flexible design of our machines allows us a further reduction in the costs so maximizing productivity. The result of this process is a range of high quality equipments offered at a surprisingly competitive price.

What do you need?

For any need you may have, we have an equipment to offer.

Our range of products is extremely wide and includes automatic and semiautomatic machines for every type of rinsing, filling and corking of glass or PET bottles for non-carbonated liquids, with throughputs ranging from 500 to 16,000 bph.

Just ask and you will be offered the best solution.

Free-standing

The machines called free-standing perform only one function of the bottling cycle.

Our range includes free-standing rinsing machines (sterilizers or air rinsing units), fillers and corks for any production need up to 16,000 bph.

Tecna

Tecna xp

rm line

alexa

futura

futura mh



TECNA line... and TECNA xp

A modern bottling plant cannot leave out an efficient rinsing/sterilizing system for the bottles. TECNA is the response of BORELLI group to this important need.

TECNA line is a complete range of rinsing/air rinsing/sterilizing machines with high levels of technological contents characterized by extreme flexibility and very easy maintenance and use.

The throughputs of the versions available range from 1,000 to 16,000 bph.

The TECNA line rinsing machines are available both in free-standing version or built in the monoblocks of the EURO system series.

The rinsing TECNA xp rinsing machines, even if maintaining all technological contents of the TECNA series, are characterized by an excellent value for price. For this reason they are the optimal solution for small and medium producers who do not want to renounce using a machine with high technological content even in case of small annual production.

standing version or built in the CIAO+ xp and EURO system xp monoblocks.



Double treatment rinsing turret
with stainless steel piping



TECNA line T30
rinsing machine with single treatment
9,000 bottles/hour

TECNA line

TECNA xp

Versions available	9 / 12 / 16 / 20 / 24 / 30 / 40 grippers	6 / 9 / 12 grippers
Types of nozzle	Fixed in the standard version. Mobile to order.	Fixed.
Number of treatments	Single in the standard version. Double to order.	Single in the standard version. Double to order (only with 9 or 12 grippers).
Rinsing options	Sterile water to be drained in the standard version. Sterilizing solutions also with the recycling kit (option). Ozone (ozonizer as option). Injection of nitrogen or other inert gas. Wine rinsing also with recycling kit (option).	
Main accessories available	Recycling kit with pump and filters. Completely manufactured of stainless steel 316 when in sterilizer versions. Covering hood. Fume exhauster. Last drop blowing kit.	

Free-standing fillers

RM line

RM line is our line of automatic fillers. Innovation and technology for machines with a value for price at the top of the market. All BORELLI group fillers are available in free-standing version or built in the monoblocks of the COMPACT system, EURO system, CIAO+ and CIAO+ xp series.



RM line 24
24-valve gravity filler
5,000 litres/hour

The new open-type lifting system
with automatic adjustment
through pneumatic motor



RM line 16
16-valve gravity filler
3,000 litres/hour

RM line

Versions available 6 / 8 / 10 / 12 / 16 / 20 / 24 / 28 / 32 / 36 / 40 valves

Type of filling available Gravity.
Light depression.
High vacuum.
Low pressure.

Type of cylinder Air recuperation pneumatic type, 150 mm stroke.
The machines feature the height adjustment of the tank at the format change.

Production Up to 10,000 litres/hour

Max. speed rate 16,000 bph¹

Type of bottle Glass, PET

Shape of the bottle Cylindrical, square or shaped

1. Depending on the number of valves and the filling system.

Free-standing corkers

ALEXA, FUTURA and FUTURA mh

The three lines of automatic corkers produced by BORELLI group, who has always been a leader in the construction of closing systems for small to medium productions.

Flexibility, innovation, and technology for machines characterized by a value for money at the top of the market.

All BORELLI group corkers are available in free-standing version or built in the monoblocks of the CIAO+, CIAO+ xp, COMPACT system and EURO system series.

For the mh version, rotary multi-head machines, we cooperate with AROL Spa, world leader in the construction of closing systems.



FUTURA mh (AROL technology)

Configuration Multihead (3 / 4 / 6 / 8 / 12 heads)

Versions available Natural corks.
Aluminium screw cap.
Other caps with pick off application.
T-corks with "Pick & Place" system.
Crown corks.
Pressure corks.
Threaded caps with "Pick & Place".

Speed rate Up to 16,000 bph

FUTURA V2.0
corker for aluminium screw caps
3,000 bottles/hour



ALEXA V2.0
corker for aluminium caps
2,000 bottles/hour



FUTURA V2.0
corker for aluminium caps
3,000 bottles/hour

ALEXA

Configuration	Single-head
Versions available	Natural cork for wine. Aluminium screw caps. Other caps with pick off application.
Speed rate	Up to 2,000 bph
Type of bottle	Only glass

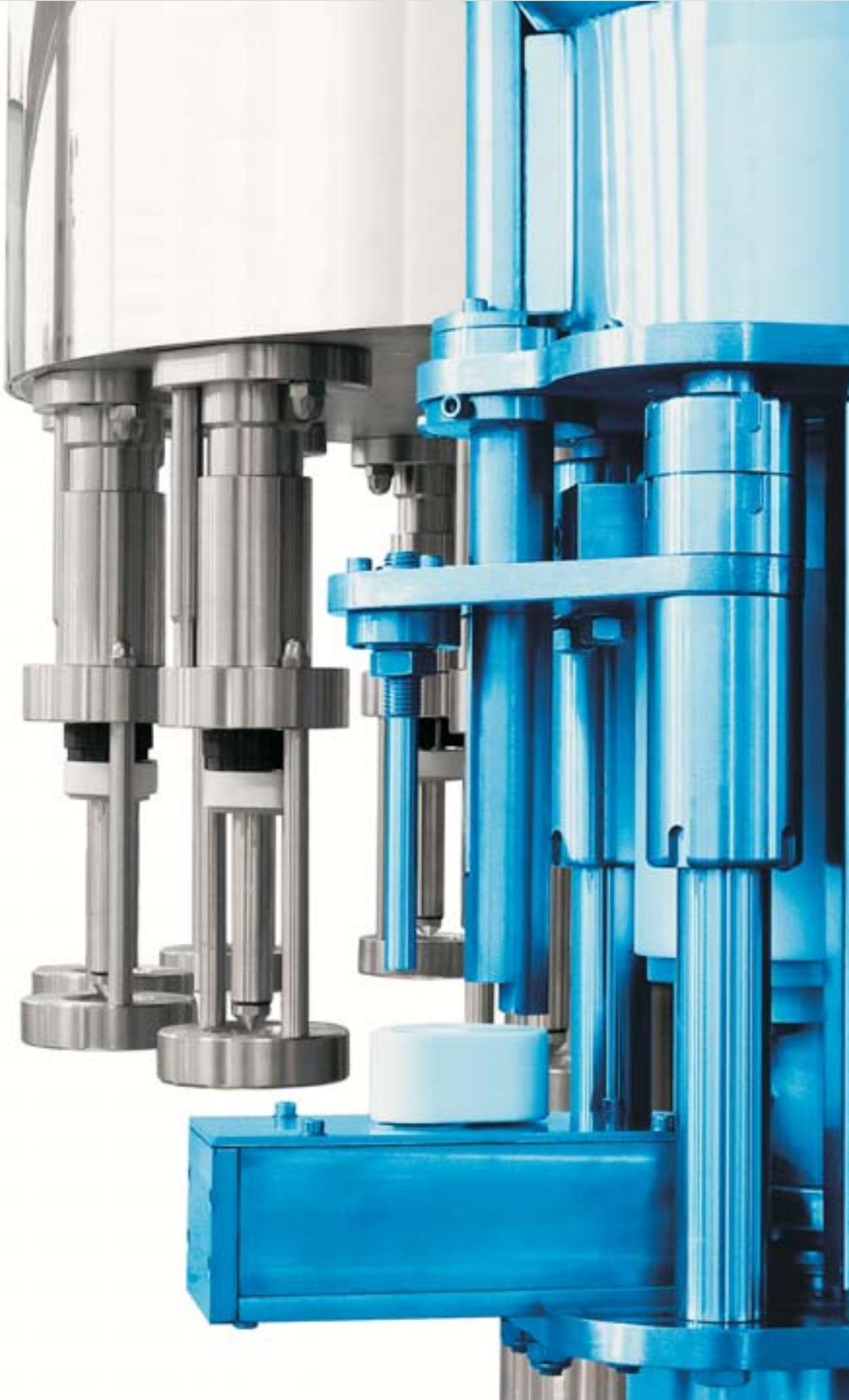
FUTURA

Configuration	Single-head
Versions available	Natural cork for wine. Aluminium screw caps. Other caps with pick off application. T-corks with conventional system. T-corks with "Pick & Place" system. Crown corks. Pressure closures. Threaded caps with "Pick & Place".
Speed rate	Up to 3,000 bph
Type of bottle	Glass, PET

Filling Corking Monoblocks

Three lines of machines and a virtually infinite number of configurations for the filling and corking fitted on the same chassis.
Compact, flexible, sturdy, and versatile machines manufactured to meet the needs of every customer.





The differences



CIAO+

CIAO+, COMPACT system, and COMPACT system mh are three different lines of filling-corking monoblocks designed to meet any bottling need of non-carbonated liquids in the most effective way.

CIAO+ is the result of our commitment in designing equipment for wine estates. Functional and simple machines designed exclusively for wine productions up to 1,500 bph, with the best value for price of the market.

Whereas COMPACT system and COMPACT system mh are the lines of universal monoblocks for all sectors of the beverage with the only exception of carbonated liquids. Depending on the models, the equipments of COMPACT and COMPACT mh lines can be implemented with as many as four different filling systems meeting all bottling requirements of non-carbonated liquids.

A virtually infinite range of machines as to types of liquids, bottles and closures up to the speed rate of 16,000 bph.

Filler (Number of valves)	6 / 8 / 10
Max. production ¹ (Litres/hour)	500 / 1.400
Filling system	Gravity. Light depression.
Type of liquids	Wine
Bottle inlet	Without screw
Filler tank lifting	Manual, on central threaded screw.
Configuration of corker	Single head
Type of closure	Natural cork. Aluminium screw caps. Crown cork.
Max. speed rate ² (bph)	1.600
Type of bottle	Only glass
Shape of the bottle	Only cylindrical

1. Depending on the number of valves and the filling system.
2. Depending on the type of corking turret.


COMPACT system

COMPACT system mh

Filler (Number of valves)	6 / 8 / 10 / 12 / 16 / 20	16 / 20 / 24 / 28 / 32 / 36 / 40
Max. production ¹ (Litres/hour)	500 / 4,000	3.000 / 9,000
Filling system	Gravity. Light depression. High vacuum. Light pressure.	Gravity. Light depression. High vacuum. Light pressure.
Type of liquids	Any non-carbonated liquid	Any non-carbonated liquid
Bottle inlet	Inlet screws	Inlet screws, transfer screws.
Filler tank lifting	Manual, on open column framework. (from the 10-valve version up)	Automatic, with pneumatic motor on open column framework.
Configuration of corker	Single-head	Multihead (3 / 4 / 6 / 8 / 12 heads)
Type of closure	Natural cork. Aluminium screw caps. Crown cork. T-corks with conventional system. T-corks with "Pick & Place" system. Pressure closures. Threaded caps with "Pick & Place". Other caps with pick off application.	Natural cork. Aluminium screw caps. Crown cork. T-corks with conventional system. T-corks with "Pick & Place" system. Pressure closures. Threaded caps with "Pick & Place". Other caps with pick off application.
Max. speed rate ² (bph)	3,000	16,000
Type of bottle	Glass, PET	Glass, PET
Shape of the bottle	Cylindrical, square or shaped	Cylindrical, square or shaped

1. Depending on the number of valves and the filling system.

2. Depending on the type of corking turret.



Just filling and corking

Did you ever asked yourself what you really need to bottle your wine?

Did you it or not, we have the answer; filling and corking your bottles in an effective, safe, and simple way. We have the ideal solution for this: a CIAO+ monoblock since at BORELLI group we have always been convinced that true innovation is simplifying complex operations and there is not a more functional solution than a machine of the CIAO range, always the best answer to the bottling needs of the small wine estates. Filling and corking, in a simple way.

And if you think also of the rinsing the bottles you can choose CIAO+ xp, the CIAO+ solution with rinsing unit. CIAO+, just innovation and technology.



- ⊕ Rapid
- ⊕ Precise
- ⊕ Efficient
- ⊕ Noiseless
- ⊕ Safe

CIAO+ 10/1
10-valve gravity filler
corker for natural corks for wine
1,300 bottles/hour

CIAO+

Filler (Number of valves)	6 / 8 / 10	Configuration of corker	Single head
Max. production ¹ (Litres/hour)	500 / 1,400	Type of closure	Natural cork. Aluminium screw caps. Crown cork.
Filling system	Gravity. Light depression.	Max. speed rate ² (bph)	1,600
Type of liquids	Wine	Type of bottle	Only glass
Filler tank lifting	Manual, on central threaded screw.	Shape of the bottle	Only cylindrical

1. Depending on the number of valves and the filling system.

2. Depending on the type of corking turret.

CIAO+: not only a new monoblock

A complete range that can become a multi-system.

CIAO+ is not simply a new filling-corking monoblock, but a complete range of machines studied expressly for small productions of wine that has become the absolute reference point in its market segment.

The CIAO monoblock was a really true constructive philosophy: the result of our commitment in designing equipments able to meet the bottling requirements of small wine producers who till that moment could not afford a technology too demanding from the economical point of view, if considering the low production volumes.

A single machine had to combine the suitable technology for the bottling of high quality wines, simple use, little maintenance, and, above all, an affordable price.

Our efforts were greatly rewarded with over 1,000 CIAO and CIAO xp monoblocks sold from 1995 to 2009.



CIAO 2000
produced from 1995 to 2009
over 1,000 machines sold throughout the world

Spurred by the success of that operation we did not limit ourselves to propose the model with the new corker but we decided to extend the CIAO range to follow the new trends of the market.

Therefore, CIAO+ is available in the versions:

- natural straight corks;
- aluminium caps, particularly interesting the one for the 30 x 60 caps;
- crown corks;
- multi-system machine with both corking turrets assembled in the same monoblock.

The same configurations are available in the xp versions with rinsing machine.

CIAO+ is equipped with all aesthetic and technical improvements of the BORELLI group 2010 range and in particular the new EVO2 valves.

Needless to say that the simplicity of use and the prices will be those which have always made of CIAO the best solution for the bottling needs of small to medium wine producers.



CIAO+ 8/1
8-valve gravity filler
corker for aluminium screw caps
1,000 bottles/hour

CIAO+

Filler (Number of valves)	6 / 8 / 10	Configuration of corker	Single head
Max. production ¹ (Litres/hour)	500 / 1,400	Type of closure	Natural cork. Aluminium screw caps. Crown cork.
Filling system	Gravity. Light depression.	Max. speed rate ² (bph)	1,600
Type of liquids	Wine	Type of bottle	Only glass
Filler tank lifting	Manual, on central threaded screw.	Shape of the bottle	Only cylindrical

1. Depending on the number of valves and the filling system.
2. Depending on the type of corking turret.

COMPACT system

COMPACT system is the line of automatic filling/corking monoblocks for throughputs up to 3,000 bph manufactured by BORELLI group.

The COMPACT system was designed from the very beginning to obtain the higher flexibility of the project that allows a vast range of configurations with one or more corking systems on the same chassis without weighing on the costs of the project remarkably.

In this way it is possible to manufacture the machine depending on the user's requirements.

COMPACT system
detail of the 10-valve low depression filler
for oil, in PET bottles





COMPACT system 16/1
 16-valve gravity filler
 corker for natural corks for wine
 2,800 bottles/hour

COMPACT system

Filler (Number of valves)	6 / 8 / 10 / 12 / 16 / 20	Configuration of corker	Single-head
Max. production ¹ (Litres/hour)	500 / 4,000	Type of closure	Natural cork. Aluminium screw caps. Crown cork. T-corks with conventional system. T-corks with "Pick & Place" system. Pressure closures. Threaded caps with "Pick & Place". Other caps with pick off application.
Filling system	Gravity. Light depression. High vacuum. Light pressure.	Max. speed rate ² (bph)	3,000
Type of liquids	Any non-carbonated liquid	Type of bottle	Glass, PET
Bottle inlet	Inlet screws	Shape of the bottle	Cylindrical, square or shaped
Filler tank lifting	Manual, on open column framework. (from the 10-valve version up)		

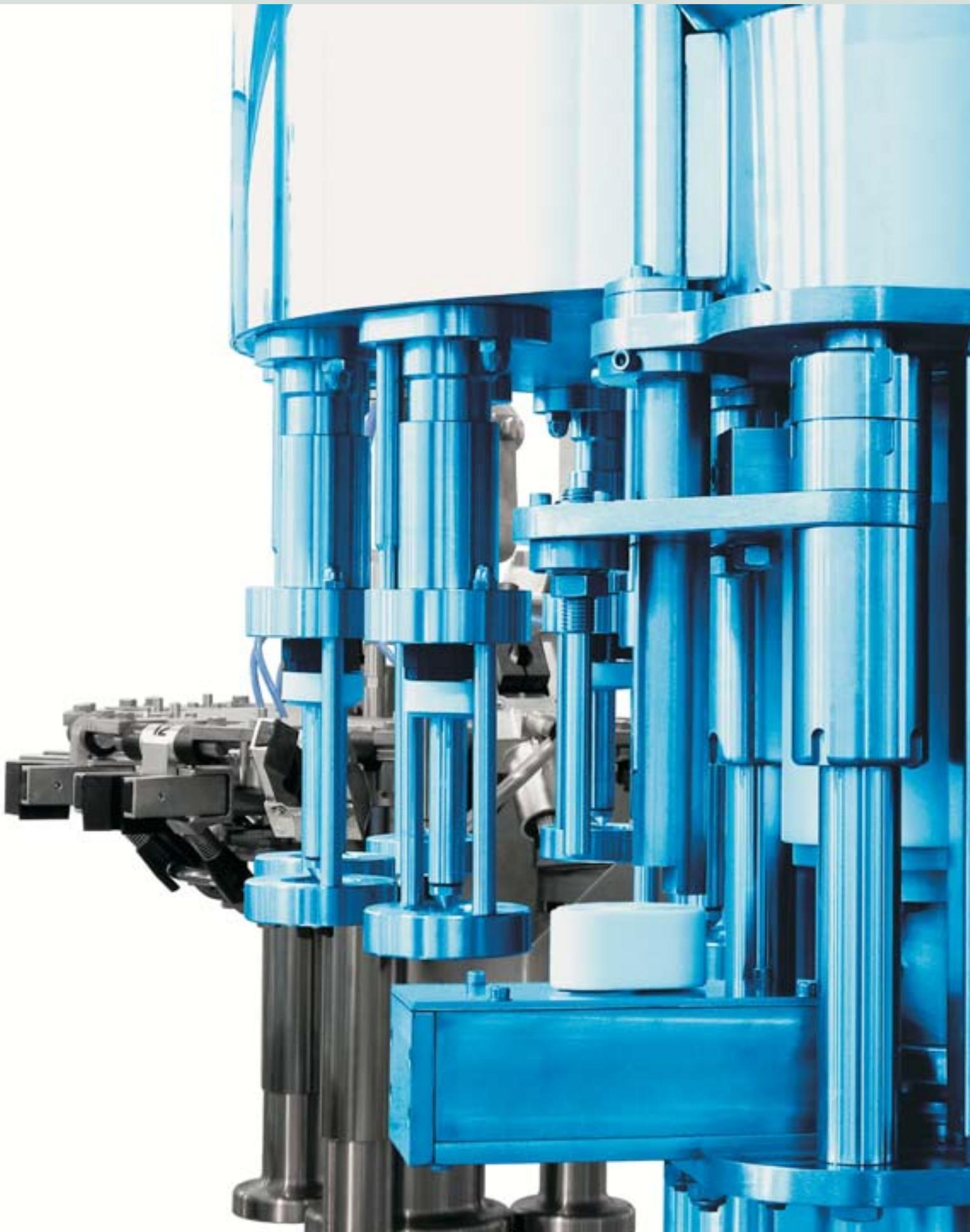
1. Depending on the number of valves and the filling system.

2. Depending on the type of corking turret.

Rinsing Filling Corking Monoblocks

Multifunction monoblocks for three essential stages of the bottling cycle: the rinsing of the bottle, the filling and the corking with one or more types of closures. Also for this type of monoblock we can offer a virtually infinite number of configurations and every single machine is manufactured according to the specific requirements of the customer. A machine manufactured ad hoc, at the price of a standard one.





The differences



CIAO+ xp

EURO system xp

Rinsing machine (Number of grippers)	6 / 9 model xp	6 / 9 / 12 model xp
Filler (Number of valves)	6 / 8 / 10	6 / 8 / 10 / 12 / 16 / 20
Max. production¹ (Litres/hour)	500 / 1,400	500 / 4,000
Filling system	Gravity. Light depression.	Gravity. Light depression. High vacuum. Light pressure.
Type of liquids	Wine	Any non-carbonated liquid
Bottle inlet	Without screw	Inlet screws
Filler tank lifting	Manual, on central threaded screw.	Manual, on open column framework. (from the 10 valves version up) → pag. 44
Configuration of corker	Single head	Single-head
Type of closure	Natural cork. Aluminium screw caps. Crown cork.	Natural cork. Aluminium screw caps. Crown cork. T-corks with conventional system. T-corks with "Pick & Place" system. Pressure closures. Threaded caps with "Pick & Place". Other caps with pick off application.
Max. speed rate² (bph)	1,800	2,200
Type of bottle	Only glass	Glass, PET
Shape of the bottle	Only cylindrical	Cylindrical, square or shaped

1. Depending on the number of valves and the filling system.

2. Depending on the type of corking turret.



EURO system



EURO system mh

Rinsing machine (Number of grippers)	9 / 12 / 16 model TECNA	16 / 20 / 24 / 30 / 36 / 40 model TECNA
Filler (Number of valves)	12 / 16 / 20 / 24	16 / 20 / 24 / 28 / 32 / 36 / 40
Max. production¹ (Litres/hour)	500 / 4,500	3,000 / 9,000
Filling system	Gravity. Light depression. High vacuum. Light pressure.	Gravity. Light depression. High vacuum. Light pressure.
Type of liquids	Any non-carbonated liquid	Any non-carbonated liquid
Bottle inlet	Inlet screws	Inlet screws, transfer screws.
Filler tank lifting	Manual, on open column framework.  pag. 44	Automatic, with pneumatic motor on open column framework.  pag. 14
Configuration of corker	Single-head	Multihead (3 / 4 / 6 / 8 / 12 heads)
Type of closure	Natural cork. Aluminium screw caps. Crown cork. T-corks with conventional system. T-corks with "Pick & Place" system. Pressure closures. Threaded caps with "Pick & Place". Other caps with pick off application.	Natural cork. Aluminium screw caps. Crown cork. T-corks with conventional system. T-corks with "Pick & Place" system. Pressure closures. Threaded caps with "Pick & Place". Other caps with pick off application.
Max. speed rate² (bph)	3,000	16,000
Type of bottle	Glass, PET	Glass, PET
Shape of the bottle	Cylindrical, square or shaped	Cylindrical, square or shaped

1. Depending on the number of valves and the filling system.

2. Depending on the type of corking turret.

Rinsing/filling/corking monoblocks

CIAO+ xp 9/10/1
 9-gripper double-treatment rinsing unit
 10-valve gravity filler
 corker for natural corks for wine
 1,800 bottles/hour



CIAO+ xp

Rinser (Number of grippers)	6 / 9 model xp	Configuration of corker	Single head
Filler (Number of valves)	6 / 8 / 10	Type of closure	Natural cork. Aluminium screw caps. Crown cork.
Max. production¹ (Litres/hour)	500 / 1,400	Max. speed rate² (bph)	1,800
Filling system	Gravity. Light depression.	Type of bottle	Only glass
Type of liquids	Wine	Shape of the bottle	Only cylindrical
Filler tank lifting	Manual, on central threaded screw.		

1. Depending on the number of valves and the filling system.

2. Depending on the type of corking turret.

EURO system 12/16/1
 12-gripper single-treatment rinsing unit
 16-valve gravity filler
 corker for natural corks for wine
 2,800 bottles/hour



EURO system

Rinser (Number of grippers)	9 / 12 / 16 model TECNA
Filler (Number of valves)	12 / 16 / 20 / 24
Max. production¹ (Litres/hour)	500 / 4,500
Filling system	Gravity. Light depression. High vacuum. Light pressure.
Type of liquids	Any non-carbonated liquid
Bottle inlet	Inlet screws
Filler tank lifting	Manual, on open column framework.

Configuration of corker	Single-head
Type of closure	Natural cork. Aluminium screw caps. Crown cork. T-corks with conventional system. T-corks with "Pick & Place" system. Pressure closures. Threaded caps with "Pick & Place". Other caps with pick off application.
Max. speed rate² (bph)	3,000
Type of bottle	Glass, PET
Shape of the bottle	Cylindrical, square or shaped

1. Depending on the number of valves and the filling system.
 2. Depending on the type of corking turret.

Rinsing/filling/corking monoblocks

EURO system mh

Rinser (Number of grippers)	16 / 20 / 24 / 30 / 36 / 40 model TECNA
Filler (Number of valves)	16 / 20 / 24 / 28 / 32 / 36 / 40
Max. production¹ (Litres/hour)	3,000 / 9,000
Filling system	Gravity. Light depression. High vacuum. Light pressure.
Type of liquids	Any non-carbonated liquid
Bottle inlet	Inlet and transfer screws
Filler tank lifting	Automatic, with pneumatic motor on open column framework.
Configuration of corker	Multihead (3 / 4 / 6 / 8 / 12 heads)
Type of closure	Natural cork. Aluminium screw caps. Crown cork. T-corks with conventional system. T-corks with "Pick & Place" system. Pressure closures. Threaded caps with "Pick & Place". Other caps with pick off application.
Max. speed rate² (bph)	16,000
Type of bottle	Glass, PET
Shape of the bottle	Cylindrical, square or shaped

EURO system mh 24/24/4
24-gripper single treatment rinsing unit
24-valve gravity filler
4-head corker
for aluminium screw caps and T-corks
6,000 bottles/hour



1. Depending on the number of valves and the filling system.
2. Depending on the type of corking turret.

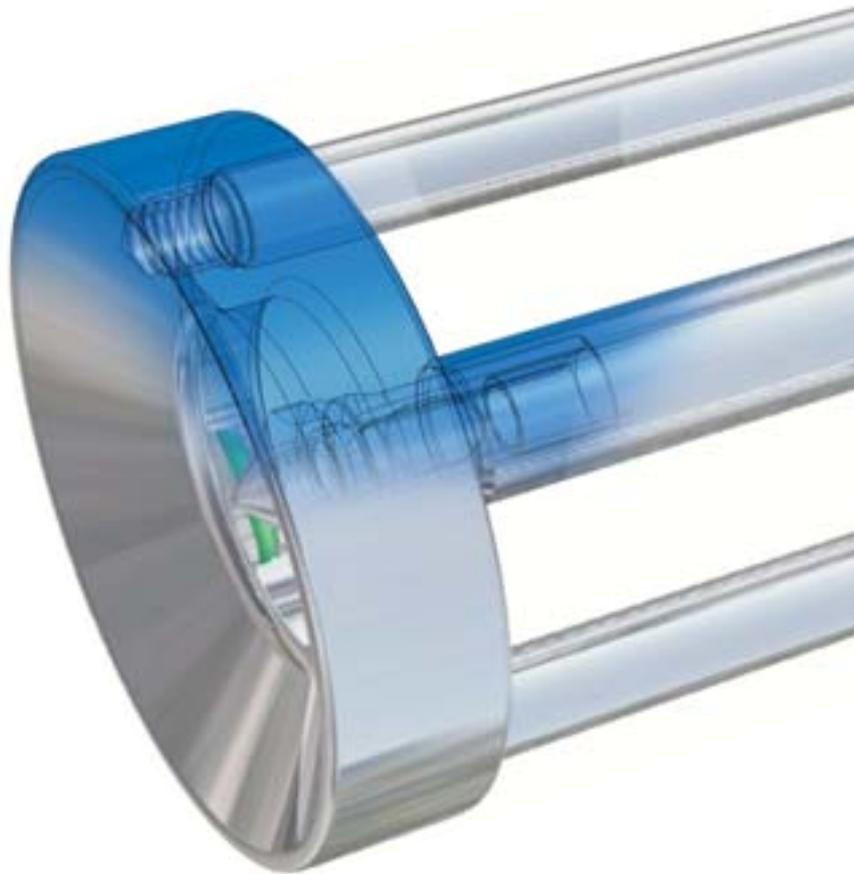


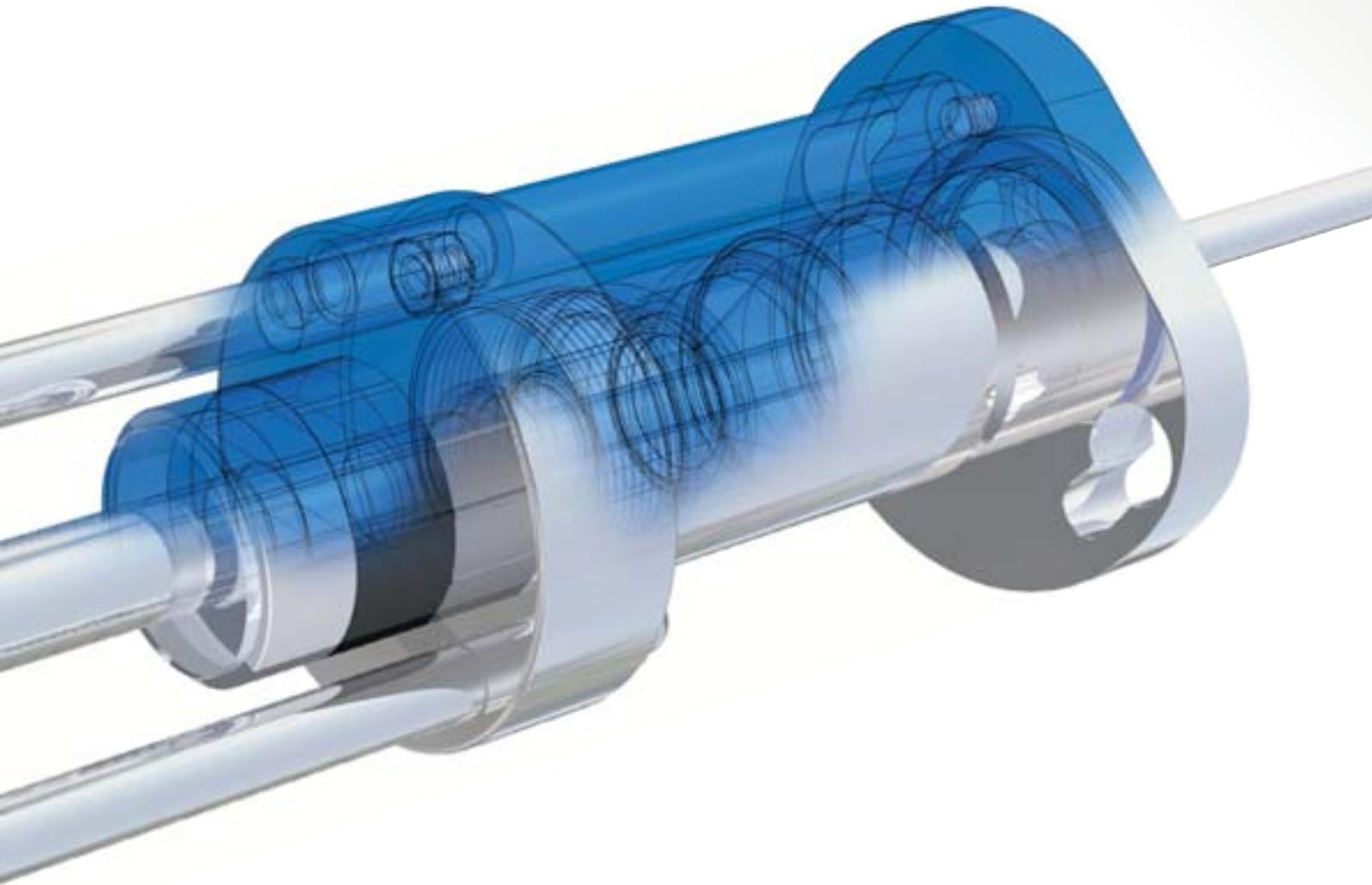
Technology

To produce the best technology we use the best technology.

The constant efforts to improve our projects, the optimization of the use of the best technologies for the design, the mechanical processing, and the management, the evolution of the organization of the company lead to the production of effective, functional, reliable, and sturdy bottling technologies. Simplicity is our slogan.

We are aimed at simplifying the work of our customers and we work constantly to obtain this result.





A study for the realization
of the EVO2 filling valve

All TECNA's quality

The TECNA gripper

The technological content in the rinsing machine is mainly concentrated in the bottle gripper.

Our gripper is a concentrate of technology as to the quality of materials, the accurate processing, and the technical solutions implemented.



The gripper is obtained from stainless steel die-casting that are processed through CNC machines. The rubber pads are designed and worked on the profile of your bottles to guarantee a safe grip without damaging them. The substitution of the pads is simple, very rapid, and tool-free. The maintenance is reduced to the minimum and extremely easy.



No bottle, no spray.

The standard rinsing machine is equipped with valves allowing the jet of water on at the presence of the bottle.

In this way any waste and inconvenience due to free jets of water on the machine.





Double treatment, nitrogen injection in the rinsing stage

The configuration with double treatment, particularly interesting in the preparation of the bottle for the following filling stage, is available to order.

With this option it is possible to perform two treatments of the bottles: a first rinsing and dripping stage followed by an effective nitrogen injection into the bottle. In fact, neatly better results than with other injection systems currently available on the market can be obtained exploiting the rinsing machine to introduce nitrogen.

All xp's practicalness

The xp version is characterized by the extreme simplicity of maintenance and use, even maintaining all the extraordinary features of the TECNA range. The gripper of stainless steel die-casting with twist overturn, the rubber pads worked on every single profile of bottle neck to obtain a safe grip without damaging the bottle, the electrical lifting facilitating the format change are only a part of the extraordinary characteristics of this rinsing machine. Also for the rinsing we succeeded in guaranteeing important technical contents without weighing on the costs.

9-gripper TECNA xp rinsing machine, single treatment.
Stainless steel piping to order.





EVO2 filling valve

Practically perfect

When in 2010 we introduced the EVO valve, we were convinced from the very beginning that our project was a break with the past: a new concept of filling valve with a brand new internal profile.

The results of that work soon became evident in the fillers and monoblocks of BORELLI group that conquered ever more customers and new markets. Till today we have manufactured over 1,200 machines equipped with EVO valves.

However we of BORELLI group do not content and our research still continues day after day. The remarkable number of machines produced every year allows us getting the proper feedback for the constant improvement of the product.

We are not accustomed to underrating problems: a problem is a problem, even if it occurs only once, and deserves our attention to be solved. In this way, we can guarantee constant updating of the product thanks to the continuous interaction with our customers. Following this guideline the EVO valve could be improved in the years.

Today, with eight years' experience on over 1,200 machines equipped with the EVO valves, we propose the second series, EVO2, rich in new technological contents.

No thread in contact with the liquid.

For as good sanitization of the machine as possible from the technical point of view we succeeded in eliminating any thread in contact with the liquid. There is only a small welding made with TIG technology and perfectly polished. The wide passage surfaces and the extreme accuracy of the finish allow easy sanitization of the valve: difficult to imagine something better.

Adaptable to any filling system.

Gravity, low depression, high vacuum, or light pressure: the EVO2 valve performs its work perfectly adapting itself to all filling systems with perfect levels in the bottle without the aid of external levelling devices.

High standards of performance.

The new internal profile, which is the result of a challenging and long work of design, enables attaining a high productivity of the filling valve. With this innovating valve the filling speed can reach throughputs of 1,600 litres/hour¹ with fillers equipped with 10 valves having an external section of 15 mm (standard valve for glass bottles). This performance can be obtained also through the gravity system, slower but more suitable for the bottling of wines and distillates, since it does not expose the liquid to flows of contaminated air and does not cause any dispersion of alcohol and flavours, inevitable side-effect of the depression system.

Self-levelling.

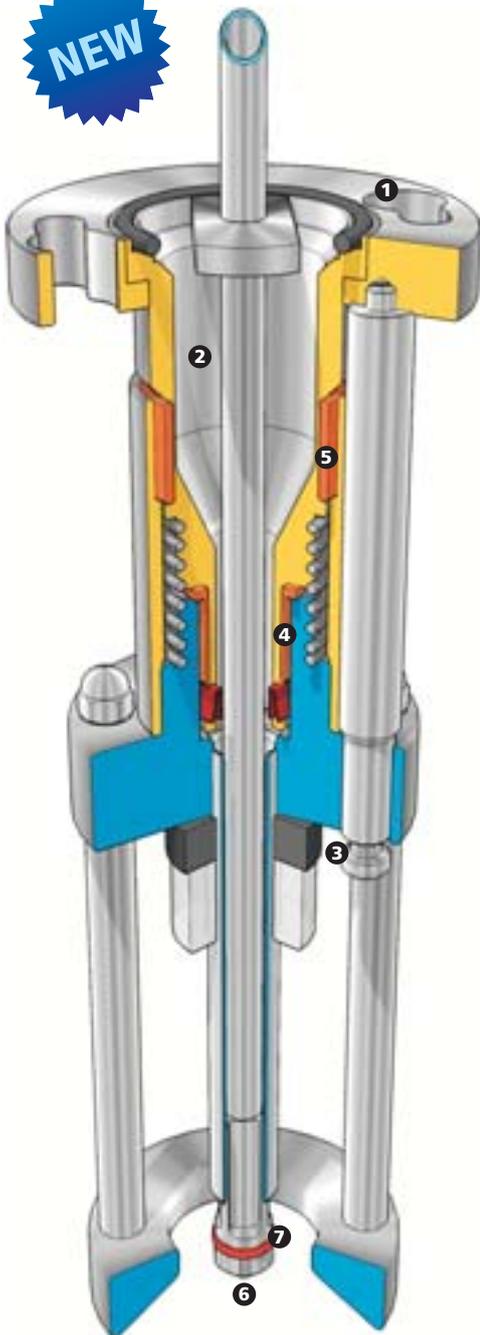
The air return hole is located under the slider and therefore the valve is completely closed if there is no bottle. Besides the undisputable advantage of preventing any oxidizations of the filling liquid, this device guarantees perfect levels without using external levelling systems.



1. Tests visible at: www.borelligroup.com

The tests have been performed with water at ambient temperature and European Bordeaux bottles. The data are only indicative and can vary depending on the liquid used, the bottle and other external factors.

NEW



EVO2, a new concept of filling valve with an internal profile guaranteeing excellent performances and allowing easy cleaning.

1 New rapid connection of the valve to the tank with bayonet system.

Particularly useful in the cases when frequent substitutions of the valves are required to adapt the machine to special bottle formats such as miniature bottles. Besides, this solution facilitates the cleaning, the maintenance, and the sanitization of the valve.

2 New valve body with inside-out structure.

This solution allows the complete discharge of the liquid during the washing.

3 Opening system for sterilization and drying.

For pre- and post-bottling washing the valve is equipped with a forced opening system by means of a clip to fit to the rod. This very simple device enables an effective use of the steam during sterilization and is very useful in the stage after the bottling to maintain the valve open for perfect drying.

The system can be extended with the washing kit² consisting of auxiliary piping, stainless steel washing balls mounted inside the tank, special containers for the internal and external washing of the valve and liquid collection tray permanently located inside the chassis. The whole system is designed for possible application of a CIP³.

4 New profile of the valve body.

The new design of the profile enabled us to insert a technopolymer bush between the body of the valve and the slider. With this device we gave an ultimate solution to the problem of possible grips, typical of the sliding of stainless steel on stainless steel. Besides, the particular position of this bush prevents any contact with the filling liquid even in case of breakage of the internal gasket.

5 External guide on self-lubricating bush.

We also introduced a guide outside the body working on a self-lubricating bush. This device, apparently unnecessary, allowed us maintaining greater mechanical tolerance in the internal guide, the one between the body of the valve and the slider, with the advantage of higher resistance to wear and better mechanics of the whole valve.

6 New profile of the point.

The refashioned technical drawing maximizes the passage of the liquid while the de-aeration tube enlarged to 8 mm ensures optimal performances even with particularly foaming wines or liquids.

7 New gasket on the point of the valve.

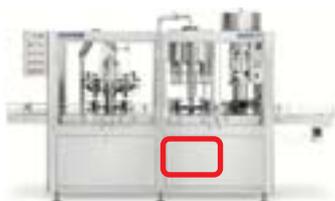
The new gasket improves the descent of the liquid on the wall of the bottle and consequently the evacuation of the air outwards, so remarkably increasing the performance of the valve. Besides, it has a better profile and more solidity to guarantee long life even under critical working conditions, like with the use of steam or acids for the sterilization or in the case of hot bottling.

2. Available to order.

3. Not supplied by BORELLI group.



Pneumatic lifting cylinders with air recycling



The added value of BORELLI group fillers

The pneumatic cylinders with air recycling were introduced on Borelli group fillers and monoblocks already in 2005. We have always asserted that the mechanical system in the lifting cylinder of the filler is not the most reliable solution from the technical point of view. For this reason pneumatic cylinders are mainly used on isobaric fillers and high performance fillers.

Since we were strongly convinced of this, in 2005 we started equipping our fillers, from the small semi-automatic rotary machine to the medium capacity equipments, with pneumatic cylinders abandoning the technology of the mechanical spring cylinder definitively.

The detail shows the advantages of this solution:

Longer stroke and constant thrust. Fewer adjustments, more efficiency.

The pneumatic technology allows manufacturing, with the same overall dimensions, cylinders with much longer stroke if compared to the conventional mechanical cylinders. Normally a mechanical cylinder has a just sufficiently long stroke to lift the bottle till the opening point of the valve. This technical limit requires adjusting the height of the tank at any minimal variation of the height of the bottle.

The stroke of our cylinders is 150 mm, with constant pressure and therefore requires less frequent adjustments of the height of the tank.

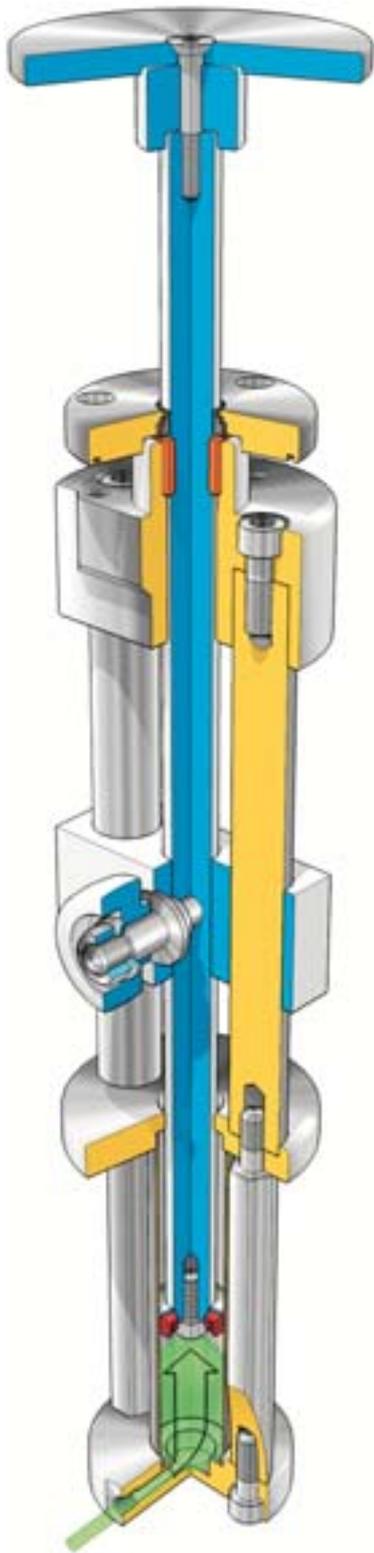
Referring to a level of 70 mm flush to the mouth it is possible to maintain the height of the tank unchanged for bottles with variations in height of 0-40 mm. This is undoubtedly an advantage for all as to time-sparing and becomes indispensable for those who use returnable bottles and therefore have to work with glass containers with different heights.

No wear.

Another remarkable advantage is the elimination of wear. As it is well-known springs degrade with work losing their original thrust.

This means that frequent maintenance is needed to maintain the machine in full efficiency. The pneumatic cylinder does not wear and in the time it develops the same thrust regardless the number of hours worked. The maintenance consists only in substituting the gaskets and only in the rare case of breakage. Moreover, said substitution is rapid and simple and does not require the intervention of specialized technicians.

Our pneumatic cylinder is fully manufactured of stainless steel and slides on self-lubricating plastic material guides, therefore is not subject to oxidize. It can work even dry without any problems; however it is recommended to perform light lubrication.



The blue section corresponds to the sliding part of the pneumatic cylinder.



Constant thrust on whole stroke.

In the pneumatic cylinder the thrust is constant on the whole stroke while in the spring cylinder the thrust decreases progressively while the piston and the spring extend. This system results in the maximum mechanical effort during the descent and the minimum thrust at the end of the stroke, exactly when it would be more important: during the opening of the valve.

The pneumatic cylinder maintains a constant thrust on the whole stroke and this leads to optimal pressure on the valve while working and slight resistance during the mechanical descent on the cam. In a few words: the working capacity improves and the wear and the breakage in the time are reduced.

Power during the thrust, before the filling.



Power, during the descent, after the filling.



Easily adaptable thrust.

A further advantage is the possibility of varying the pressure of the cylinder simply regulating the inlet pressure of air in the circuit. In this way the thrust is easily adaptable to the type of valve fitted on the machine and the type of bottle processed. To vary the thrust of a mechanical spring cylinder the only way is substituting the spring, an unviable operation.



The new open-design lifting system

The system includes the use of stainless steel columns in variable number depending on the size of the machine¹. The reducer and the mechanisms of the system are located immediately under the tank. This solution allows leaving the cylinder holding carousel free from any hindrance, so facilitating the washing and cleaning of the machine, with the complete absence of contaminations due to mechanical parts subject to oxidize. The new system is available also in electrical version to order².

1. Not available on the 6 and 8-valve version of the CIAO line.
2. Starting from the 16-valve version.



FUTURA V2.0 tradition and technology

FUTURA V2.0 is the conventional capper for aluminum screw caps with speed rates up to 3,000 bph and represents the final evolution of this type of machines. We think it will be hard to introduce further improvements. The framework supporting the turret is an extremely sturdy central column of stainless steel hosting the manual, or optionally electrical, lifting system. Its exceptional sturdiness is visible at first sight.

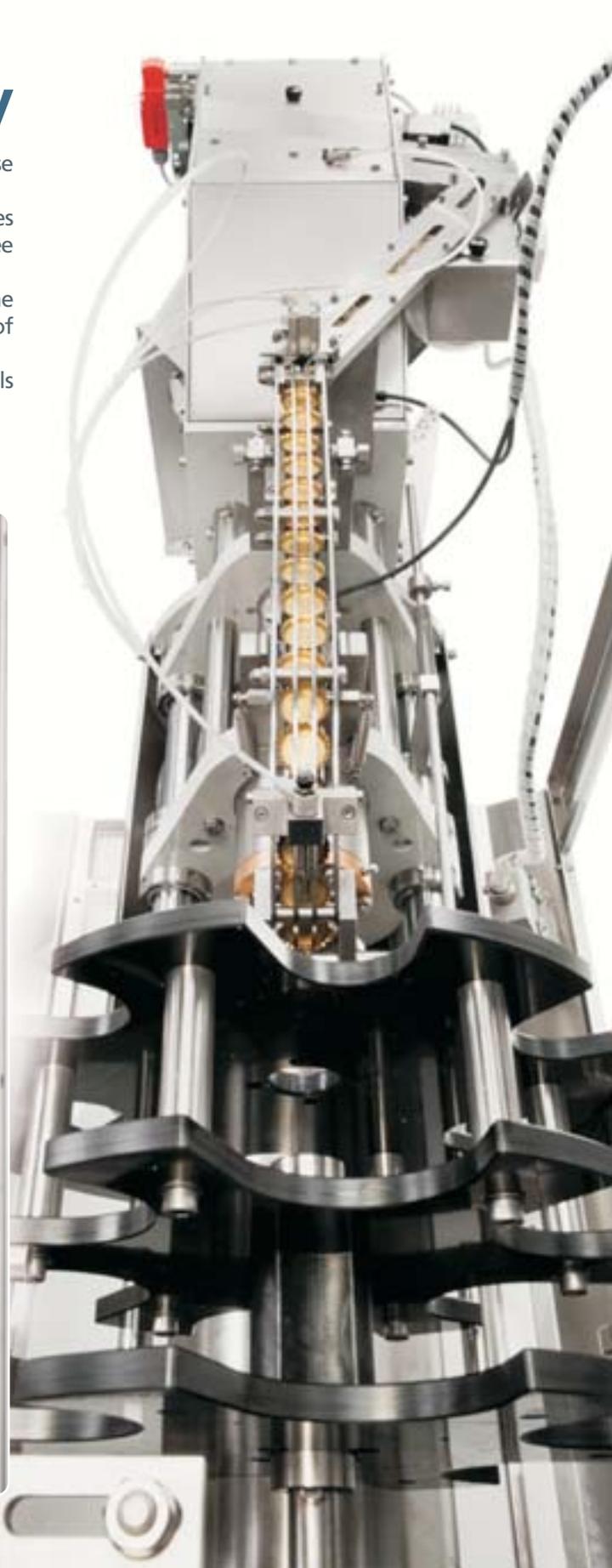
- 1** The caps chute, completely assembled with laser-cut stainless steel profiles, shows precision and sturdiness unknown till today.
- 2** The photocell on the chute controls both the start of the feeder and the machine stop in case of lack of caps automatically.
- 3** The 4-roller closing head is manufactured completely of stainless steel and is equipped with the "NO CAP, NO ROLL" device preventing the spinning in case of bottles accidentally arriving without the caps so protecting the glass container and the integrity.

FUTURA FC, functional and sturdy

If you need to close the bottles with crown corks, you can choose the FUTURA FC turret, whose main feature is sturdiness. In fact, it is well known that the closure of crown corks requires sturdy machines to obtain a good closure of the cork and guarantee a long life to the machine.

The framework is manufactured completely of stainless steel; the corks are fed through a mechanical hopper and a chute made of laser-cut stainless steel profiles.

The closing head is finished with extreme accuracy in all details to guarantee a perfect closure of the cork.





FUTURA PP “Pick & Place”

The PP version with “Pick & Place” distribution system is suitable for all caps not applicable through pick off. Its most important application is the closure of the bottles with threaded plastic caps.

The picture shows the “Pick & Place” system for T-corks on glass bottles.

ALEXA S2.0, quality without compromises

The new ALEXA S2.0 for straight corks is a project born from the experience, now of 40 years, BORELLI group acquired in the construction of corkers for natural straight corks and today, of course, also silicone and plastic material corks.

We wanted to implement a machine for low production rates with all the technology normally used for the corking turret of medium throughputs. Everything is made following the guideline of BORELLI group always caring to offer high quality products at extremely competitive prices.

- 1 Construction of stainless steel, stainless steel head, bronze chariots and jaws of hardened and ground N690 steel.
- 2 Simple adjustment of the closure of the jaws on eccentric pivot.
- 3 Big capacity hopper with new-design cork selection disc.
- 4 Cork plunger mounted on self-lubricating bushes and rods of chrome-plated steel ground for absolute absence of clearance even due to wear.
- 5 **KUV1, the innovative BORELLI group kit for under vacuum closure.**

Option. Today the evacuation of the air from the bottle neck in the corking with straight wine corks is an essential requirement for all producers.

We propose a solution with highest levels of technology, surprising as to efficiency, duration, noiselessness, and simplicity.

The KUV1 kit does not use any vacuum pumps, yet compressed air exploiting the principles of Venturi tube.

With this system we can guarantee constant levels of vacuum because it is not influenced by the performance of the vacuum pump. Besides, the kit does not require any maintenance, absolutely necessary for the vacuum pumps commonly used, and is not subject to any wear.

Constancy of the performances in time, cleanness, hygiene.

KUV1 will surprise you.



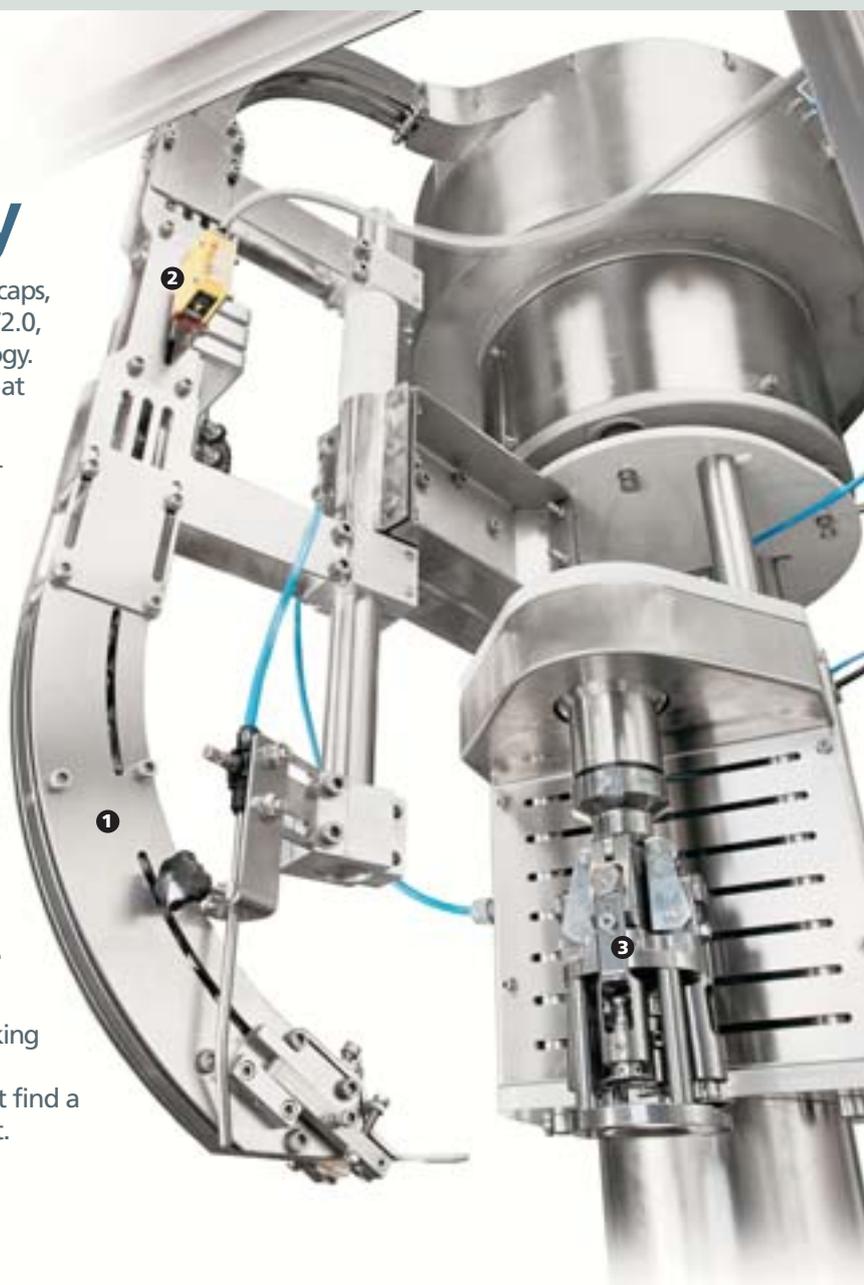
ALEXA V2.0, simple technology

If you need to close your bottles with aluminium screw caps, today you can choose also the new capper ALEXA V2.0, an extraordinary combination of simplicity and technology. The high level of its technological features is evident at first sight:

- 1 The caps chute, completely assembled with laser-cut stainless steel profiles, shows precision and sturdiness unknown till today.
- 2 The photocell on the chute controls both the start of the feeder and the machine stop in case of lack of caps automatically.
- 3 The 4-roller closing head is manufactured completely of stainless steel and is equipped with the "NO CAP, NO ROLL" device preventing the spinning in case of bottles accidentally arriving without the caps so protecting the glass container and the integrity of the rollers.
- 4 The innovative working principle, with the lift of the bottle towards the head through a simple pneumatic cylinder, eliminates any maintenance and wear.

Its simplicity is self-explanatory: just look at it when working and you will understand.

If you need to cap bottles up to 2,000 bph, you cannot find a more economical and practical solution on the market.



STELVIN® caps

Among the alternative closures for wine put on the market in the recent years, the STELVIN® caps have conquered an important share.

We at BORELLI group believed in the potential of this closure since the very first moment and therefore we developed specific solutions for this caps, with special attention to the size 30x60, very popular all over the world.

Besides being equipped with all technical solutions found with the experience acquired in the closure of these caps, also the turret ALEXA V2.0 has the simplicity characterizing all BORELLI group solutions.

As always, the result is even better than the expectations of the most demanding customers: an economical and simple, yet extraordinarily functional and sturdy machine.

Closing technology



FUTURA mh

For throughputs ranging from 3,000 and 16,000 bph we cooperate with AROL Spa, world leader in the construction of closing systems.

The FUTURA mh corksers are available as free-standing machines or assembled in the COMPACT system mh and EURO system mh monoblocks.

Our range of products is extremely wide and can supply closure systems of all types for glass and PET bottles for the beverage industry.

Perfection is a matter of time...

Browse through our web site at
www.borelligroup.com



www.borelligroup.com

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