



Tecnologia dell'imballaggio

PRODUCT CATALOGUE



P.O.Box 8276 Havelock North 4175 New Zealand

GPO Box 4836 Sydney NSW 2001 Australia

E: info@viniquip.co.nz W: www.viniquip.com

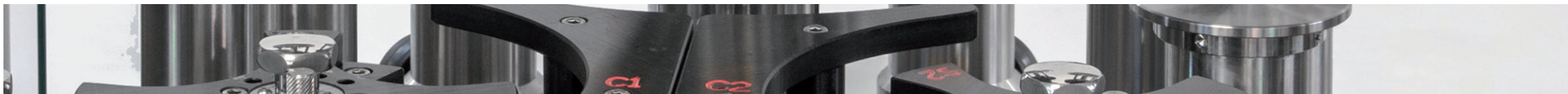
P: Freephone (New Zealand) 0800 284647

P: Freephone (Australia) 1800 209370



FIMER equipment is distinguished by the reliability and accuracy put into every build. Quality is guaranteed by the use of cutting-edge solutions which, at the same time, make it possible to achieve functional and reliable systems.

Our professional expertise is backed by extensive knowledge and experience as regards applicable standards, which translates into top-quality design, manufacture and maintenance, with the application of Quality Systems in accordance with current regulations. The result is a company that operates with integrity and professionalism, where product and service reliability is paramount.





monoblock



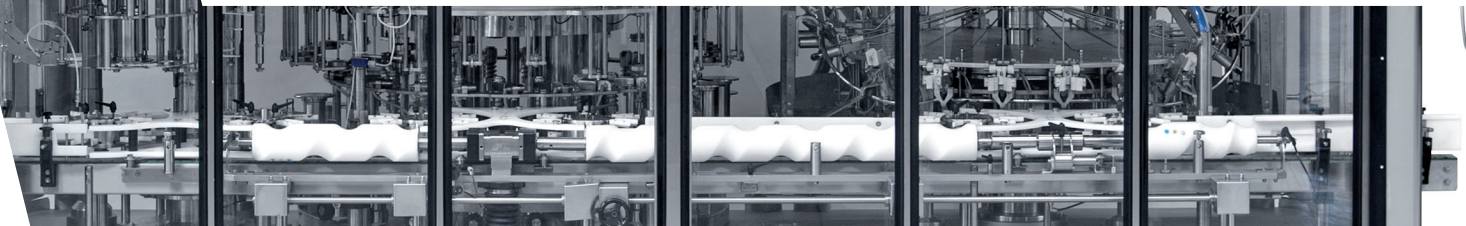
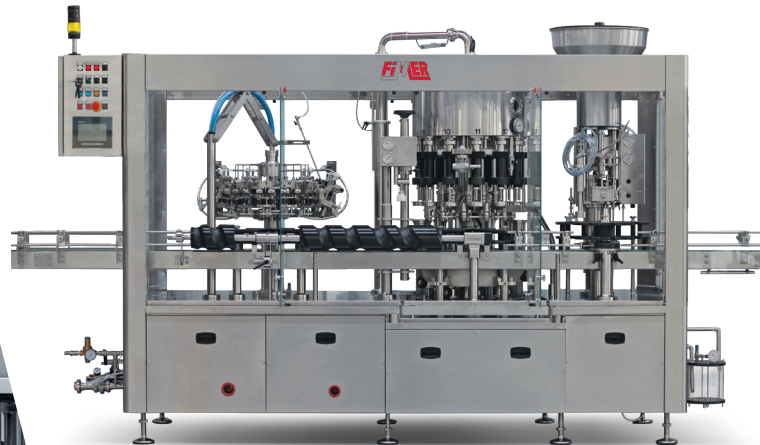
The etymology of the word monoblock immediately conveys a clear idea of what it means; a set of machines forming part of the same block. In the case of the machines made by FIMER, the term "monoblock" identifies a machine integrating the functions of rinsing, bottle filling, corking and capping of various closures.

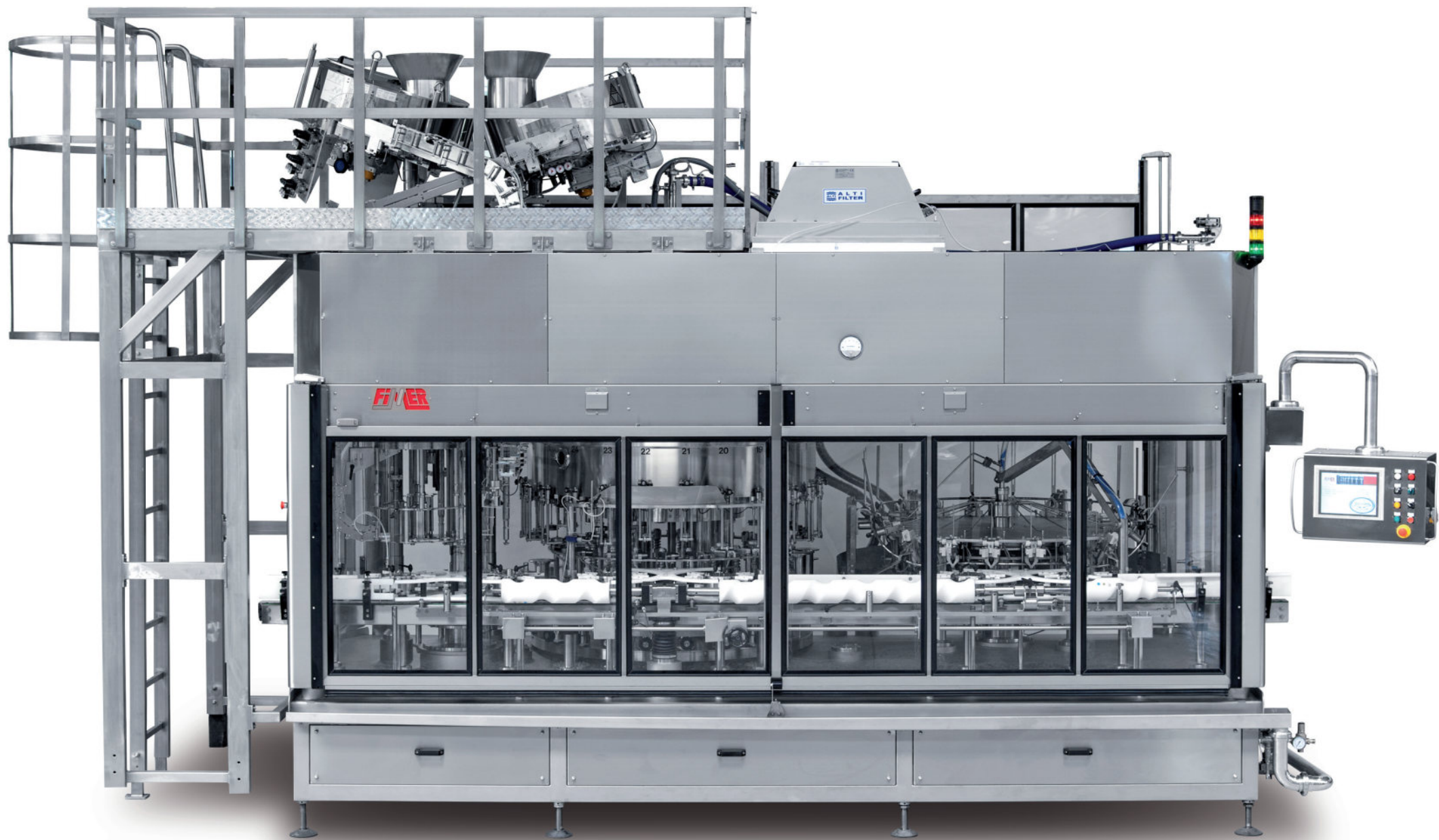
The advantages of a monoblock system, compared to separate machines linked to each other by conveyor belts, are:

- reduction of occupied space (smaller footprint),
- personnel
- energy consumption optimization,
- perfect synchronization between the various machines functions and
- absolute efficiency.



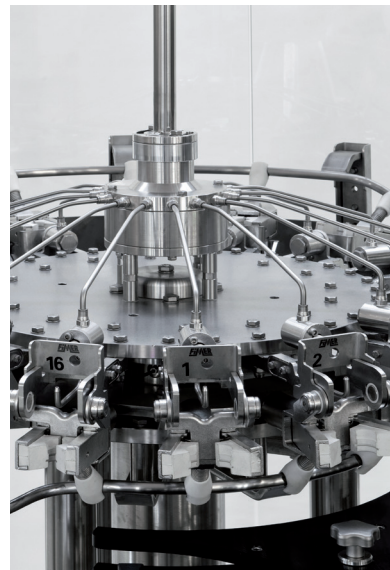
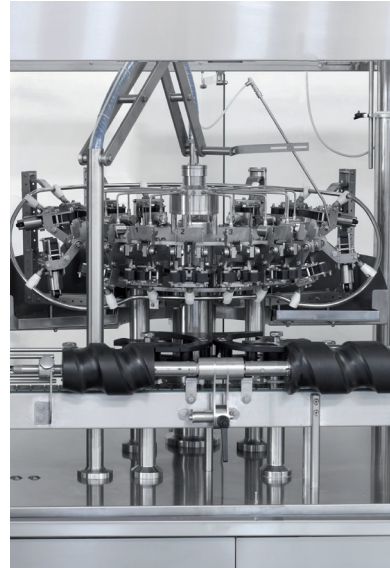
FIMER is a flexible company attentive to the needs of the market, and makes its monoblock units with the direct collaboration of its customers, catering to all their individual needs.







rinsing machine



The rinsing machine is designed to clean the inside of new bottles. Its function is to remove any foreign objects or dust accidentally introduced inside the bottles.

FIMER rinsing machines are technically advanced units. Bottle inversion is by means of a variable profile cam. Each spraying station is equipped with a bottle presence control system and in case of no bottle, the jet is interrupted.

All the ducts which convey the rinsing product to the various spraying stations are made of stainless steel. A standard fitting of all the rinsing machines is the air blower which eliminates any residual drops on the bottle neck during inversion.

The grippers, which are made of stainless steel, feature rubber grip pads which can be easily changed in case of differently shaped bottle necks.

FIMER rinsing machines can feature single or double treatment, fixed nozzle or movable nozzle and can be fitted with various accessories such as a rinsing product recirculation plant, manual or automatic dummy bottles for machine sterilization and covers for the extraction of any noxious fumes which could be harmful for operators and others.







filling machine



Of the entire bottling line, the most important unit is the filling machine. The filling unit is the only component that has direct contact with the finished product and therefore must be conceived, designed and built so it provides utmost reliability in terms of product guarantee. It must maintain product characteristics during the actual filling operation while being easily washable and sterilizable when in contact with products particularly sensitive to contamination.

FIMER, since its inception, has been designing and manufacturing its own filling machines, adapting them to the characteristics of the product and of the container to be treated.



FIMER filling machines include gravity or light vacuum and isobaric machines - both traditional and electro-pneumatic versions, volumetric machines, high vacuum or light pressure machines, electronic machines with magnetic or inductive flow meters.

FIMER's strong design team is able to conceive special application machines; such as equipment to fill natural honey, and cosmetics.





isobaric filling machines



Isobaric units are able to work with all products containing CO₂ in higher or lower quantities.

Isobaric machines can also be used for products containing no CO₂ (so-called still products). Isobaric filling machines can be of the conventional mechanical type, or feature electro-pneumatic operation. The mechanical version can be equipped with filling valves of different types depending on the type of product.

The “S” valve, which is also the simplest, is used for products such as water or soft drinks and its only function is pressure equalization and final decompression.

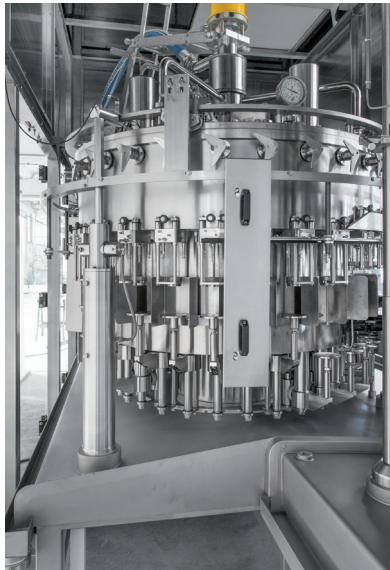
The **PS** valve pre-expels the air contained in the bottle before the pressure compensation by means of gas counter pressure.

The more complicated but also more complete valves are the SL, PSL, DPS and DPSSL where:

L stands for final levelling; these are particularly suitable for necks that are difficult to equalize with the isobaric machine, as in the case of the Bordeaux bottle

D stands for double pre-expulsion where injection between the first and the second air pre-expulsion is through an external clean gas circuit. In the mechanical version, all these operations are controlled by cams.

The electro-pneumatic version differs substantially from the mechanical version because the different operations are part of a program and controlled by a PLC with virtual cams.







capping machines



Inside a monoblock unit, the bottle, once rinsed and filled, needs to be closed. The quality of the vessel closure is as important as actual filling. The perfect closure guarantees and preserves the quality of the contents.

FIMER is able to apply a broad range of closures ranging from natural and synthetic cork to aluminium screw caps, plastic screw caps, crown caps and all types of pressure caps for spirits and oil in general, both on glass and plastic bottles.

