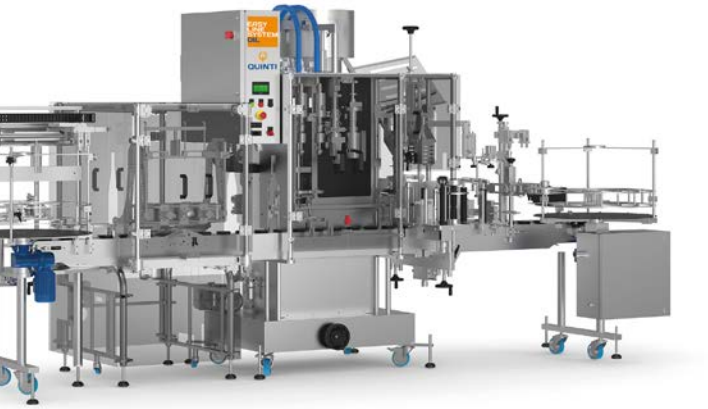
EASY LINE SYSTEM OIL



QUINTI
BOTTLING MACHINES

EASY LINE SYSTEM OIL QUALITY, VERSATILITY, MODULARITY, EFFICIENCY, CONVENIENCE. THE BOTTLING OF THE FUTURE, TODAY!

EASY LINE SYSTEM OIL 60 WITH BOTTLE LOADING TABLE, AUTOMATIC BLOWER, HIGH VACUUM FILLING SYSTEM, AOX FILLING SYSTEM WITH PRE-EVACUATION AND INSUFFLATION OF INERT GAS BEFORE FILLING, CAPPER FOR SCREW CAPS AND DOP ANTI-FILLING CAPS, 2-HEAD LABELING MACHINE FOR ROUND AND SQUARE BOTTLES FOR APPLICATION OF FRONT / BACK LABEL WITH 2 SEPARATE REELS, CAPSULATOR FOR SHRINK HEAT CAPSULES, NECK LABEL LABELLER AND BOTTLE ACCUMULATION TABLE

Conceived to be used also by a single operator, easy to use and great flexibility in the management of bottle size changes, they allow for quick and easy adjustment and washing. The **Easy Line System** bottling lines represent the maximum in terms of versatility and modularity.

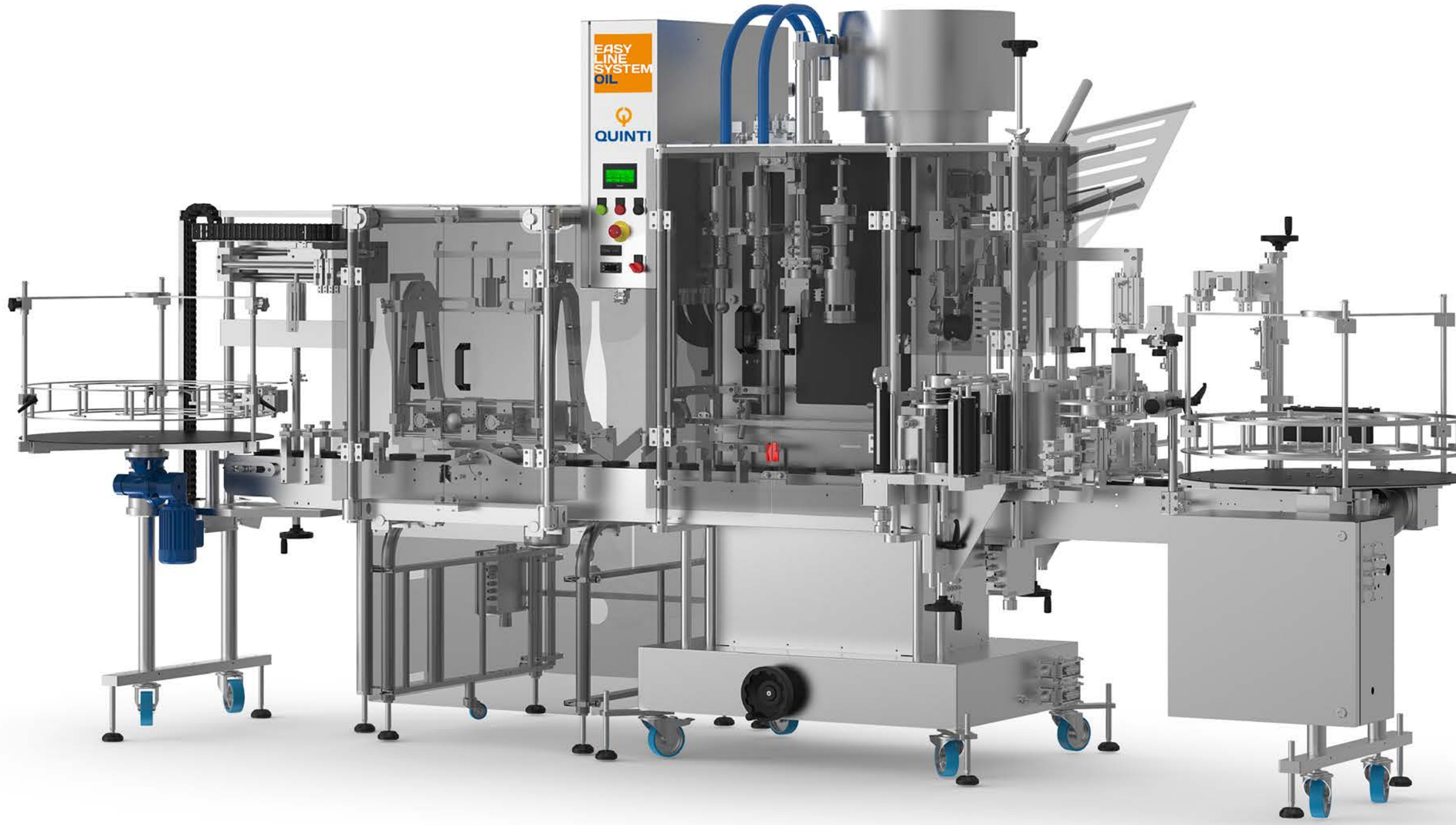
The heart of the project is a bottling line capable of responding to the main customer requests. The line is designed on a PLUG-IN platform that allows you to add optional accessories both in the order phase and later when the machine is already at the customer and new production needs arise, making it completely automatic in the process. It is therefore possible to implement technology and functionality quickly and economically, making the bottling line strategic for customer growth.

All **Easy Line System** lines have as their strong point **the bottle conveyor belt**, which has always been made with plates that accurately house the bottle. This solution is particularly advantageous in the choice of formats as it allows you to manage different bottle shapes quickly and with excellent labeling accuracy.

The type of **filling is high vacuum**, therefore without tank, this allows to minimize the cleaning operations of the feeding section. The handling of the bottles takes place through loading tables, accumulation and related Pick & Places. It should be emphasized that the mechanics of the machine do **not require lubrication** as the sliding contact parts are made of self-lubricating material and therefore operate “dry”. The monobloc has a **reduced acoustic impact**, thanks to the transport system that avoids contact of the bottles during the entire journey. Equipped with swivel wheels, the line can be moved easily on flat surfaces.

Available with a wide range of accessories, the Easy Line System Oil bottling lines include:

- loading table, automatic
- blow molding machine
- 2 nozzle high vacuum filler “without bell / product tank”
- oil feeding and filling control system with nitrogen injection through the filling nozzles,
- capper for screw cap and DOP cap
- cap presence sensor
- capper for heat-shrink capsules with distributor and plateau
- 2-head labeller for round and quare bottles or with 1 head for cylindrical and conical trunk bottles
- application DOP / IGP collar
- accumulation table.



Easy Line System Oil

Basic features

- One bottle format (pads on the tape)
- Filling nozzles (no. 2) for bottles
- High vacuum system for filling and oil level
- Oil recovery tank in 304 stainless steel
- Equipment for managing screw cap Ø 31.5x24 mm
- Equipment for managing DOP anti-refilling cap Ø 33x47 mm (Guala)
- Cap positioning tube for screw cap Ø 31.5x24 mm and DOP anti-filling cap Ø 33x47 mm (Guala)
- Mechanical roller head to close screw cap Ø 31.5x24 mm and DOP anti-refilling cap Ø 33x47 mm (Guala)
- Automatic conveyor belt STOP/START system
- Circular cap feeder with diameter 500 mm for screw caps Ø 31.5x24 mm and anti-filling DOP cap Ø 33x47 mm (Guala)
- 2-head labelling machine for square and round bottles
- Inkjet printer date/lot (**decurtable in the order phase**)
- Manual blower (**when without automatic rinser machine**)
- Thermal encapsulator + cap sensor + capsule plateau (**decurtable in the order phase**)
- Rotary table for bottle loading + Pick & place entry + Automatic rinsing machine (**decurtable in the order phase**)
- Pick & place exit + Rotary table for bottle accumulation (**decurtable in the order phase**)
- C.I.P Clean In Place washing cycle with pneumatic vacuum pump
- False bottles for C.I.P.

Optional features

- Change format bottle pads
- AOX filling system under nitrogen
- Automatic system for checking the supply and oil recovery circuit
- Labeling machine for round neck bottle label IGP/DOP label
- Labeling machine with 1 head for cylindrical bottles (in switching of the basic one with 2 heads)
- Bottle phasing station before labeling (allows you to phase the bottle with respect to one of the two welds on the bottle; the first that is intercepted)
- Liquid injection system in the bottle (**flavored oil substances**)
- Bottling line protections according to IFS specifications
- High-intensity LED light in the filling and capping area
- Ethernet card for remote connection to PLC
- Touch screen remote controls on TABLET or SMART PHONE
- Package industry 4.0

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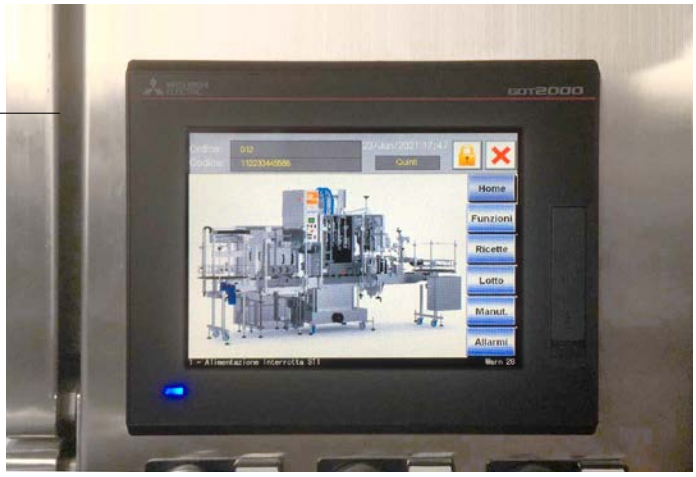
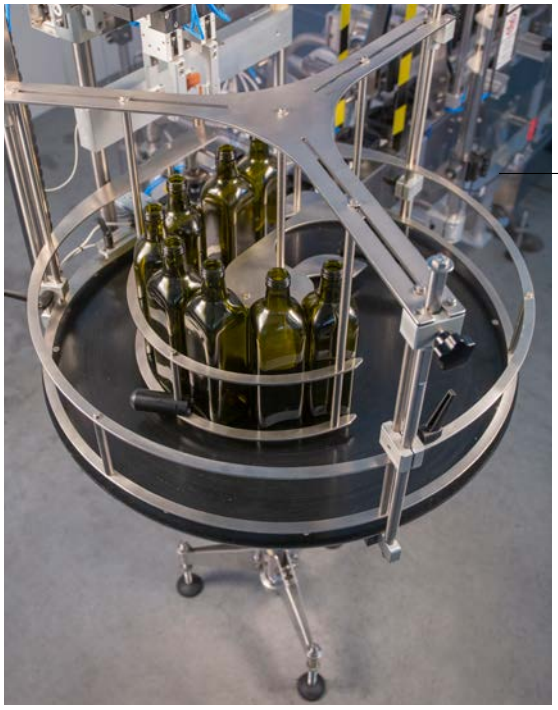
New MITSUBISHI PLC with HMI Touch screen (Human Machine Interface)

Easy and intuitive, it allows you to select the individual machine functions in a guided and interactive way. Predisposed for Industry 4.0 and remote connection. Possibility of remote controls on Tablet or Smart Phone.



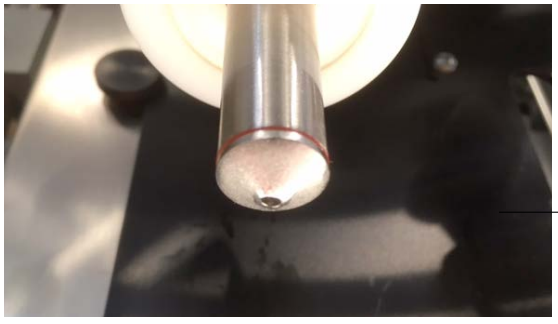


Bottle loading table with pick & place

Useful, with accumulation table, for managing the bottling with only one person.

Automatic blower machine with QUINTI ABS technology (Adaptive Blower System)

It manages in a simple and versatile way multiple shapes and sizes of bottles adapting without having to change the gripping system that is “adaptive”. The bottles are overturned by 180° and the nozzles simultaneously blow into the bottle.



Electro pneumatic nozzles with QUINTI NODS (No Oil Drop System)

Through a small suction hole at the end of the nozzle an efficient anti oil drop system is determined, all to the advantage of general cleaning.

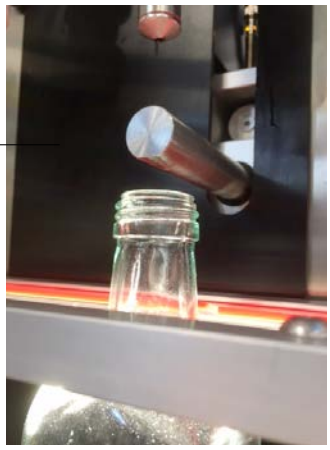
Electro-pneumatic filling nozzles with QUINTI AOX TECHNOLOGY (Absence Oxygen)

Through the same filling nozzles and an appropriate equipment, it is possible to “wash” the bottles which consists in subjecting them to a cycle of deaeration and insufflation of inert gas before filling.
This operation reduces as much as possible the presence of oxygen inside the bottle to protect the product from oxidation during the filling phase.

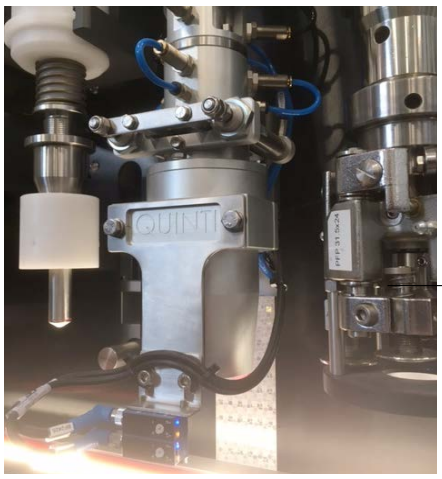
High Vacuum filling system without main product tank (No Product Tank)

The high vacuum filling system makes it possible not to use a tank for the product above the bottling machine.
The absence of the tank determines great flexibility when changing the types of oil to be bottled. It is known that to switch from one oil to another it is necessary to completely drain the filling line from the oil and then perform a “priming” to use another. The advantages are: very small oil quantity to drain, small oil quantity for starting and finally ease of cleaning when the machine has to be stored for a certain period of time.

Liquid injection system in the bottle (flavored oil substances) technologyQuinti FLIS (Flavored Liquid Injection System)



As soon as the filling phase has been completed and the nozzles have risen above the bottles, a special nozzle comes out of the bulkhead of the machine and injects an aromatic liquid dose into the bottles. With this system, the main filling line is not contaminated, furthermore when passing from one flavored oil to another, it only replaces the plastic tube piece where the flavored liquid itself passes.

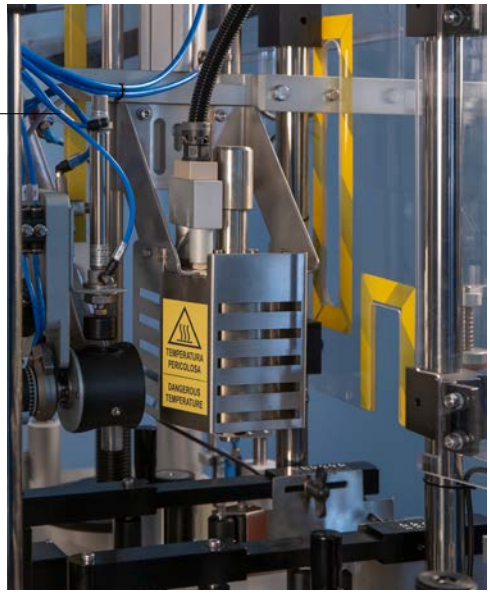


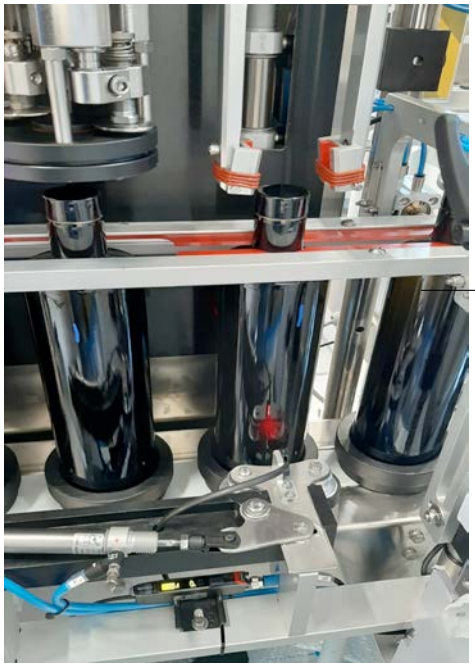
Cap positioning tube for screw cap Ø 31.5x24 mm and DOP anti-filling cap Ø 33x47 mm (Guala) QUINTI TDIO TECHNOLOGY (Two Done In One)

Switching from screw cap to DOP anti-filling cap with the same equipment has never been easier. Just quickly replace the twist of the caps on the automatic cap feeder and choose from the touch screen which cap to use. Great flexibility when you have to switch from one cap to another according to the various types of bottles. The capping head also has the dual function.

Thermal encapsulatore for shrink heat capsules integrated in the machine

It includes capsule dispenser, thermal closure head and capsule plateau. The temperature of the thermal head can be set from the touch screen and kept constant to ensure that even the first capsule is perfectly heat-shrunk. For special capsules and with metallic writings it is possible to manage, in addition to the temperature, the stay time of the thermal head on the bottle neck for optimal management of the capsule.



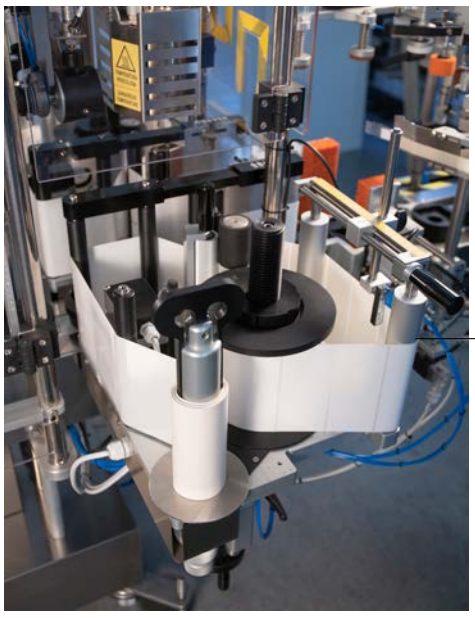


Bottle timing system for label application

By properly phasing the bottle, before arriving at the labeling station, you avoid applying labels to the bottle junctions getting better quality work.

Labeling machine for bottle neck label

Useful when many of the bottle formats need to have a label on the bottle neck or the round neck IGP / DOP label.



2-head labeller for square and round bottles

It allows to apply double-sided labels from two separate reels with precision on multiple types and shapes of bottles. All this thanks to the type of bottle conveyor belt with plates and to an optimal label application system.
The plate that contains the bottle along the conveyor belt ensures that the bottle is always in phase to be labeled all to the advantage of the repeatability of labels positioning. Inkjet Printer date/batch supplied standard and optionally the thermal transfer printer, both for horizontal writing. Possibility to install also printers for vertical writing.

Features	
Bottle production per hour	up to about 550 units of 750 ml (the actual bottling capacity is influenced by many factors, such as the type of product, bottling temperature, shape of the bottle, etc.)
Bottle sizes	250 ml, 500 ml, 750 ml, 1000 ml, all, however, within a height of between 130 mm and 380 mm, with a maximum diameter or diagonal of 110 mm and a guaranteed minimum 18 mm bottle neck hole.
Filling type	high vacuum
Cap type	Ø 31.5x24 mm (non pre-threaded, with anti drop) Ø 31.5x24 mm (non pre-threaded, with pourer) Ø 33x47 mm (DOP anti-refilling cap)
Full machine weight	1300 kg approx
Full machine dimensions	L 4500 mm approx., P 1600 mm approx.; H 2100 mm approx.
Pneumatic supply	350 l/min (minimum), 6 bar, with dried air, may require more power if optional equipment is installed.
Power supply	230V-50 Hz single-phase

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Quinti S.r.l.
via Cassia 21 Z.I. Loc. Cesa
52047 Marciano della Chiana AR
T. +39 0575 842129
F. +39 0575 842374
email: info@quintisrl.it