



AYRTAC

FILLING & CAPPING SOLUTIONS



**LiderPack
Winner**

TO THE BEST INNOVATION
IN PACKAGING MACHINERY



FILLING & CAPPING SOLUTIONS

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***New concepts,
new horizons.***

***We develop technology
to build a better world.***

AYRTAC® Group offers a **comprehensive personalised service** in production and packaging processes for the **food, cosmetics, household chemicals** and **health** sectors.

Over 20 years' experience and a consolidated team of high-performance professionals, all dynamic and focused on results, are proof of our leadership in the sector, while ensuring customer satisfaction and our own evolution.

No matter the size of the company or the scope of the project, at **AYRTAC® Group** we are here to help them grow. We offer a **comprehensive 360° service**: advice on **process engineering, machinery manufacture**, and **distribution** of jars and caps at competitive prices with high supply flexibility.

Efficient, reliable turnkey solutions for packaging process problems.

MACHINERY

At **AYRTAC® Group** we continue to **innovate** and **reinvent the world of packaging**, covering production increases and giving your business the boost it needs to grow.

Our machines are designed to maximise production line performance. We have poured all our experience and knowledge into designing and manufacturing **advanced, robust, easy-to-handle machinery**, to make **AYRTAC®** a benchmark in the sector.

Our **training and technical service** ensures the efficient, consistent operation of all systems installed. We also provide **after-sales support**, follow-up, control and replacement of wear parts in order to guarantee optimal performance.

***Strength,
simplicity
and flexibility
define our
machinery ranges.***



F FILLERS

A range of fillers with a COP system (Clean Out of Place); designed with usability in mind; with tool-free disassembly and full implementation for a CIP system (Clean In Place) with maximum reassurance.

Our range of **volumetric piston filling machines** is designed to take simplicity of operation and cleanliness standards to another level.

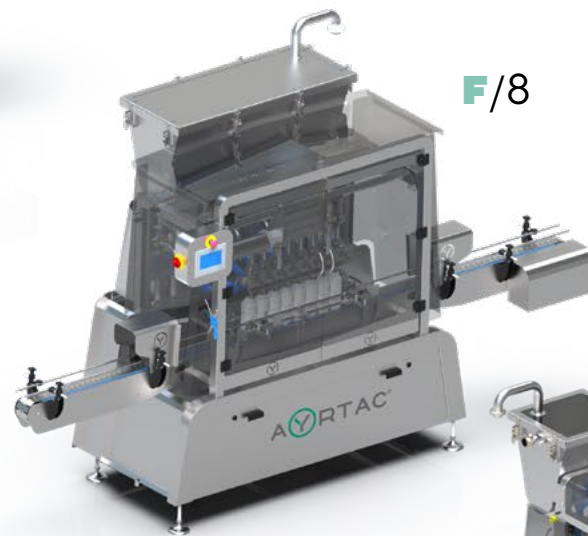
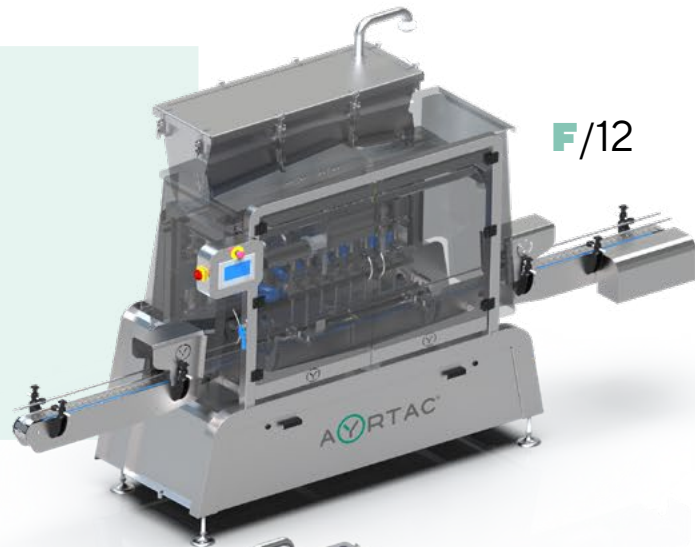
We manufacture filling machines with up to 12 dosing heads, with the option of automatic format changeover and for any type of jar, glass, PET, cans, etc.

A customised nozzle **ensures dosing of all types of liquids, viscous and semi-viscous products, with or without chunks:** jam, honey, pâté, vegetable sauces, mayonnaise, ketchup, mustard, cream, sauces, beverages...

Cleanliness standards are becoming increasingly stringent, which is why **AYRTAC®** has come up with a design for the **structure with two levels for easy disassembly, maintenance and cleaning** of the ducts.

◆
*Format change and
disassembly for
tool-free cleaning*

◆
From 1 to 12 heads



F *FILLERS* for liquids and viscous products, with or without chunks

	F/1	F/2	F/4	F/8	F/12
FILLING SPEED*	Up to 20 jars/min*	Up to 40 jars/min*	Up to 80 jars/min*	Up to 110 jars/min*	Up to 150 jars/min*
TANK CAPACITY	30 l	50 l	60 l	120 l	180 l
DOSABLE VOLUMEN	30-4.000 ml	30-4.000 ml	30-4.000 ml	30-4.000 ml	30-4.000 ml
VOLUME PER PISTON	Up to 1.000 ml	Up to 1.000 ml	Up to 1.000 ml	Up to 1.000 ml	Up to 1.000 ml
JAR Ø UP TO	-	160 mm	160 mm	160 mm	160 mm
JAR HEIGHT UP TO	260 mm	260 mm	260 mm	260 mm	260 mm
ELECTRICAL REQUIREMENTS	-	0,5 Kw	1,3 Kw	1,6 Kw	2 Kw
GENERAL DIMENSIONS	600x600x1700mm 80 Kg	1000x850x2100mm 400 Kg	2700x1200x2200mm** 700 Kg	3900x1200x2200mm** 1.000 Kg	5200x1200x2200mm** 1.300 Kg
PNEUMATIC CONNECTION	6 bar	6 bar	6 bar	6 bar	6 bar
FORMAT CHANGE	Manual	Manual	Manual (Optional automatic)	Manual (Optional automatic)	Manual (Optional automatic)
SERVO/ELECTRONIC	No	No	Optional	Optional	Optional
CIP PRE-INSTALLATION	No	No	Yes	Yes	Yes
BOTTOM UP SYSTEM	No	No	Included	Included	Included
TANK HEATING	Optional	Optional	Optional	Optional	Optional
AGITATOR IN TANK	No	Optional	Optional	Optional	Optional

* Estimated speed on an A314 container and with dosing of a tomato fried at 70°.

** Filler dimensions adjustable to customer requirements, depending on conveyor lengths

Advantages of **F FILLERS AYRTAC**

**AUTOMATIC FILLING
AND FORMAT CHANGE
CONTROL SYSTEM**

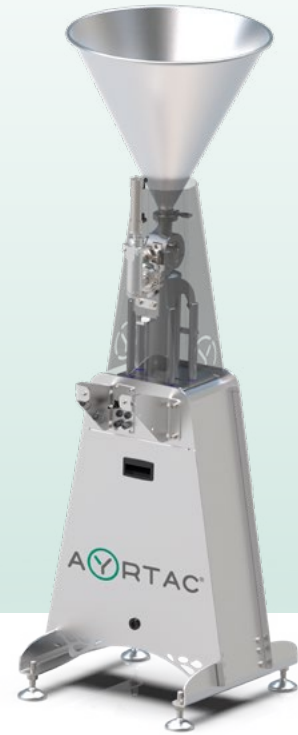


**QUICK TOOL-FREE
INTERIOR CYLINDER
DISASSEMBLY**



**HYGIENIC DESIGN
WITH TWO
CLEANING AREA
LEVELS**

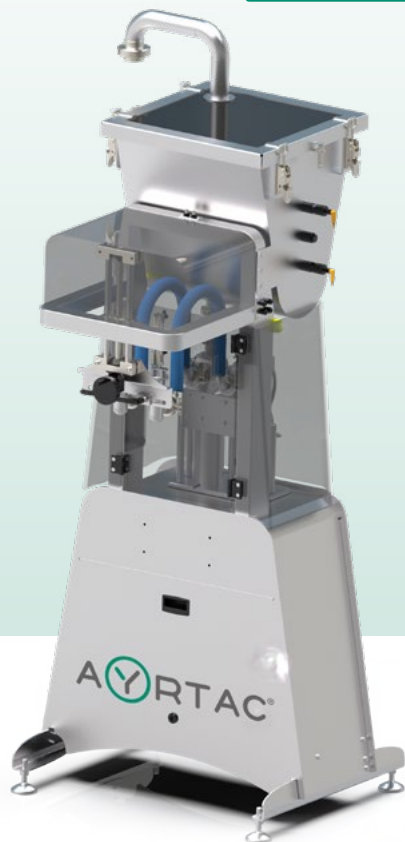




F/1

Single-head filler with a pneumatic system and filling speed up to 20 jars per minute.

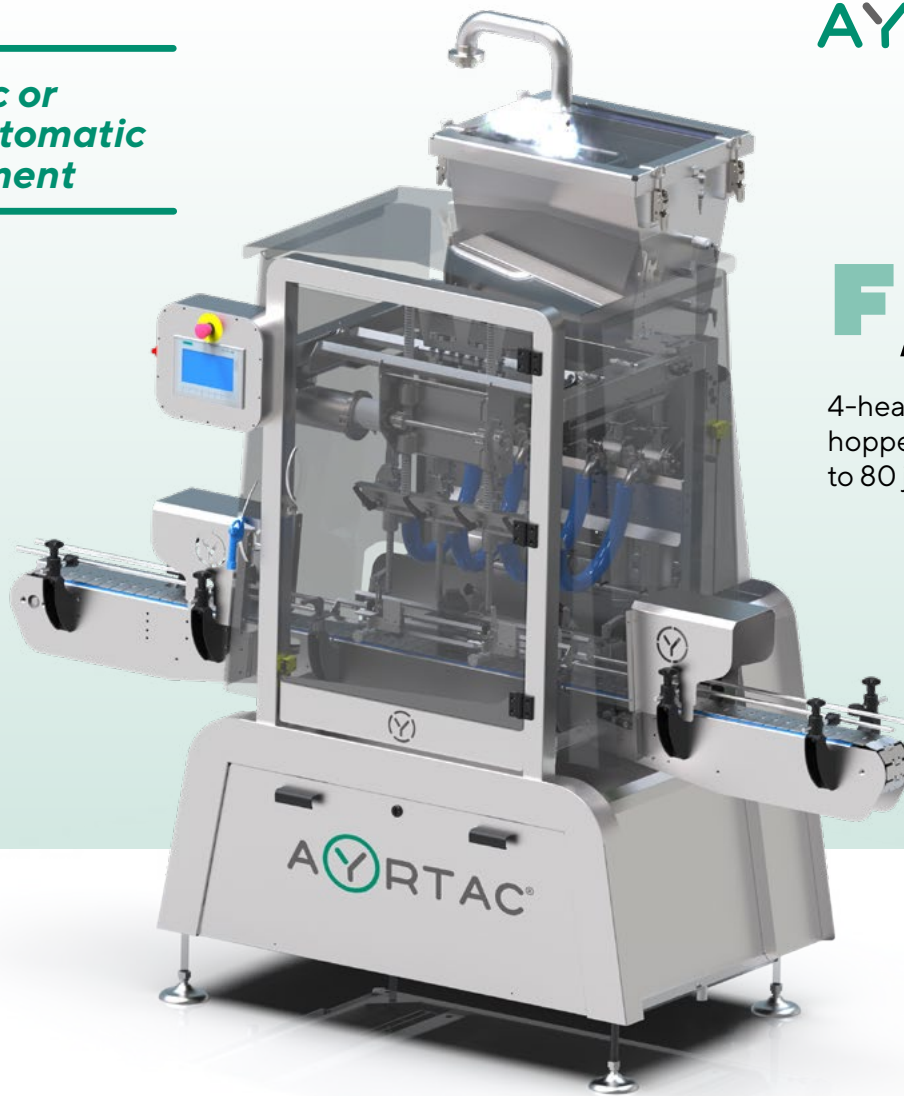
Fillers with pneumatic or electronic systems, and automatic format change adjustment



F/2

2-head filler with pneumatic and electronic system (optional).

Speed of up to 40 jars per minute.



F/4

4-head filler with a 60-litre hopper and filling speed up to 80 jars per minute.

Optional features
F4-F8-F12

- **Pre-installed CIP SYSTEM.**
- **Tank heating system** to adjust and keep the product at the right dosing temperature.
- **Agitation system** to keep the product moving continuously in the tank, ensuring a consistent mix at all times.
- **Electronic management from PLC** for automatic format adjustment.

F/8

A high-performance, 8-head unit ready for **medium and high production.**

120-litre tank and filling speed up to 110 jars per minute.



F/12

High-performance filler ready for **high production**.
It has 12 heads and a 180-litre tank.

Filling speed up to 150 jars per minute.



MC CAPPERS

We have designed the most complete advanced range of cappers in the world, with the easiest and fastest format change on the market.

Our **automatic steam cappers** are designed to cap glass or PET bottles and jars with **twist seal, DTO, easy-open, PT**, etc.

Cappers AYRTAC® are equipped with **cutting-edge** and meet international standards on food safety and use, while their single motor guarantees synchronisation and energy efficiency.

Their avant-garde design combines **robust** construction and **ergonomic simplicity** for **easier day-to-day** activities, allowing access to all parts of the machine for adjustment and cleaning.

Our extensive range ensures we have a model to suit the size of your project and your production level.

◆
*Our cappers can be used
with any type of
easy-open cap*



MC CAPPERS *for twist-off and PT caps*

	MC/50	MC/100	MC/200	MC/300	MC/500
PACKAGING SPEED	Up to 70 jars/min*	Up to 120 jars/min*	Up to 200 jars/min*	Up to 300 jars/min*	Up to 500 jars/min*
CAP Ø	38- 110 mm	38- 110 mm	38- 110 mm	38- 110 mm	38- 110 mm
JAR Ø	43-110 mm	43-110 mm	43- 160 mm	43- 160 mm	43- 160 mm
JAR HEIGHT	38-260 mm	38-260 mm	38-260 mm	38-260 mm	38-260 mm
ELECTRICAL REQUIREMENTS	1,5 kW	2 kW	2,5 kW	3 kW	5 kW
GENERAL DIMENSIONS**	2219x991x2020mm 550 kg	2432x2357x2711mm 800 kg	2917x2357x2711mm 950 kg	3457x2611x3114mm 1350 kg	4498x3962x3507mm 2200 kg
STEAM INSTALLATION	1/2" 5-8 bar 30-90 kg/h	1/2" 5-8 bar 50-110 kg/h	3/4" 5-8 bar 150-200 kg/h	3/4" 5-8 bar 200-250 kg/h	1" 5-8 bar 250-300 kg/h
WATER INSTALLATION	1/4" 8 l/h	1/4" 10 l/h	1/4" 12 l/h	1/4" 20 l/h	3/8" 30 l/h
VARIABLE SPEED DRIVE	Optional	Optional	Yes	Yes	Yes
CENTRALISED LUBRICATION SYSTEM	Optional	Optional	Optional	Yes	Yes
DOUBLE BELT	Optional	Optional	Optional	Yes	Yes
STEAM EXTRACTION SYSTEM	Optional	Optional	Yes	Yes	Yes

The whole MC series closes DTO caps.

* Estimated speed with cap 63 mm Ø.

** The dimensions correspond to the capper and cap feeder assembly, all of which can be adapted to specific customer requirements.

Why choose an AYRTAC[®] MC CAPPER?



HIGH EFFICIENCY
IN SEALING
SECURITY

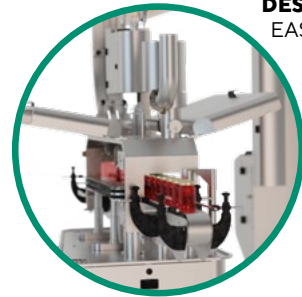


**OPTION OF
DIGITAL CONTROL
AND FORMAT
CHANGE SYSTEM**

**MECHANICAL SPEED
SYNCHRONISATION**



**ERGONOMIC
DESIGN WITH
EASY ACCESS**



**High energy
efficiency and
low maintenance**

Synchronization is vital in a system where different elements work together at high production speeds. Having a single motor in our **MC** models ensures absolute reliability without relying on electronics, and also means lower energy consumption.

MC/50

An ideal machine **for small and medium production.**
Up to 70 jars per minute.

Easily upgradable to MC/100 model for higher production.



MACHINERY
AYRTAC 



MC/100

A system focused on **medium production,**
up to a speed of 120 jars per minute.



MC/200

The ideal system **for medium and high production.**

Up to a rate of 200 jars per minute.



Optional features

All our cappers can be configured according to the customer's needs:

- **Double jar holder belt.**
- **OIL fastening system** for situations in which the jar is impregnated with oil.



MC/300

A high-performance machine ready for **medium and high production** at a speed of up to 300 jars per minute.



MC/500

A high-performance system ready for **high production**, reaching a packaging speed of up to 500 jars per minute.





LiderPack Winner

TO THE BEST INNOVATION
IN PACKAGING MACHINERY



***A new packaging technology
that turns food preservation
on its head.***



NEW RANGE

*HIGH-VACUUM
TWIST CAPPERS*

OXYNEG[®]

OXYNEG[®] is the new twist-off technology that **AYRTAC[®]**, has just launched, marking a turning point in jar capping processes.

Thanks to **OXYNEG[®]**, we can now, for the first time ever, **preconfigure two of the most important values** in the world of preservation in glass packaging, namely **secure sealing** and **vacuum parameters inside the jar**, adapting them to our different formats and products.



**OXYNEG® trademark
and technology**

MACHINERY
AYRTAC 

OX/1



OX/2



OX/3





OXYNEG CAPPERS *for high-vacuum caps*

	OX/1	OX/2	OX/3
JAR PRODUCTION/HOUR	Up to 500 jars/hour*	Up to 600 jars/hour*	Up to 2.200 jars/hour*
CAP Ø UP TO	100 mm	100 mm	100 mm
JAR Ø UP TO	106 mm	106 mm	106 mm
JAR HEIGHT UP TO	220 mm	190 mm	197 mm
ELECTRICAL REQUIREMENTS	0,2 kW 1,5 kW with pump	1 kW 5,5 kW with pump and cap heater	3 kW 9 kW with pump and cap heater
GENERAL DIMENSIONS	400x500x950mm 85 kg	2000x1000x1750mm 200 kg	2600x1500x1900mm 450 kg
PNEUMATIC CONNECTION	6 bar_ 60 NI/min	6 bar_ 120 NI/min	6 bar_ 450 NI/min
CAP HEATER	No	Optional	Optional

* Estimated speed with jar model Ketchup 330 with cap 38mm Ø.

OXYNEG® opens up **new research fields** around preservation and heat treatment in current glass packaging processes.

HIGH-VACUUM PRESERVATION ensures products with **higher quality, better taste, fewer preservatives** and **improved properties**.

In short, a step forward in food safety and in recovering the natural flavours and properties of food.

**HIGH
CAPPING LEVEL**
IN PRODUCTS
FULLY FILLED
IN THE JAR



**DIGITAL
CONFIGURATION**
OF VACUUM LEVEL
AND CAP
SECURITY



**PACKAGING
TECHNOLOGY**
FOR STEAM
INCOMPATIBLE
PRODUCTS



HIGH VACUUM
FOR NEW FOOD
PRESERVATION
SYSTEMS





OX/1

The perfect machine
for artisans and bakers
wishing to move into
machine capping.

MACHINERY
AYRTAC 



OX/2

The machine **for**
small-scale production,
around 10 jars/minute.





For the first time in history,
 a capper allows **preconfiguration
 on screen** of the following aspects:

- **capping security** and
- **vacuum value**



OX/3

The machine of choice for canners who require a **higher level of automation**, with a packaging speed of **35 jars/minute**, and are **interested in the benefits of high-vacuum preservation**.



A consolidated team of results-focused experts is proof of our leadership in the sector.





Implementation of
turnkey packaging lines

ENGINEERING

Our engineering service covers the **development and implementation of turnkey packaging lines**, both for new facilities and plant upgrades.

We offer **customised modular design solutions** for total adaptation to immediate needs and future implementations.

INNOVATION

**When change is the only constant,
flexibility is the key to survival.**

Consumers change, as do their tastes, while products change to suit their needs; packaging must also adapt, bringing a series of new challenges for brands and manufacturers.

AYRTAC® we are constantly innovating,
creating new products that are integrated
in ever-improving, evolving packaging lines.



Innovation comes from the experience of our entire organisation.

Throughout our activity, **innovation** and problem solving come not just from one department, but rather from the whole **AYRTAC®**.

In our company, there are no obstacles to knowledge. We allow **innovation** to flow through every line of business, with every customer, every project.

Our non-conformist character drives us to always look for a better way of doing things, taking care of every last detail. We are close to our customers, to understand their needs and give them maximum value.



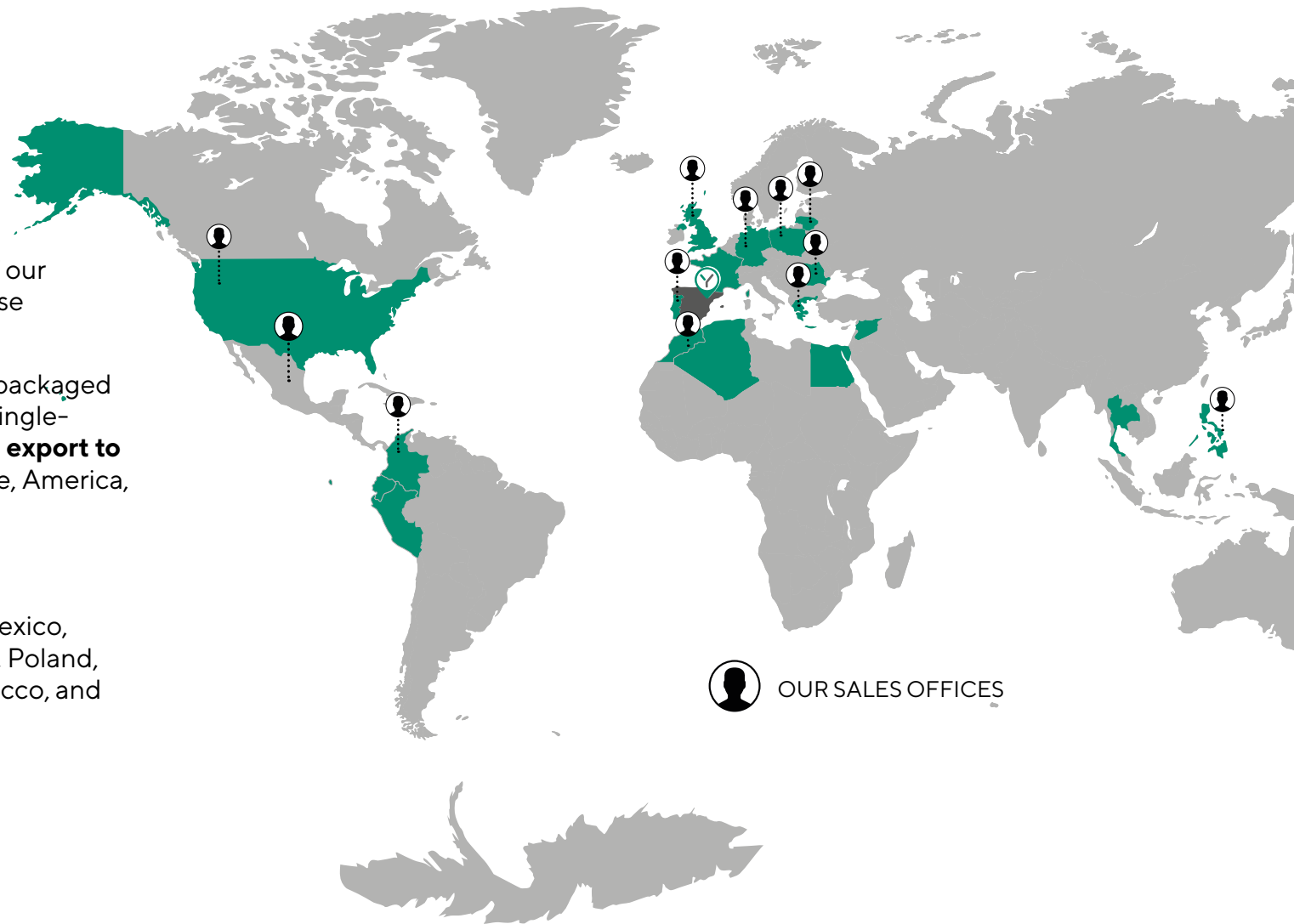
INTERNATIONAL SCOPE

The scope of our service

We strive to improve the quality of our products and services through close cooperation with our customers.

Our customers range from global packaged goods manufacturers through to single-location family businesses, and **we export to countries on 4 continents**: Europe, America, Asia and Africa.

We have **Sales offices** in: USA, Mexico, Colombia, Portugal, UK, Germany, Poland, Romania, Lithuania, Greece, Morocco, and the Philippines.



 OUR SALES OFFICES

AYRTAC

Workshop in Calahorra

Comprehensive 360° service

AYRTAC® is your solutions partner from start to finish, maximising performance for your production line..

Our expert team will assess the overall situation, providing ideas and suggestions throughout the packaging line.

Ready to ensure your production chain never stops

Some of the brands we are trusted by



HEADQUARTERS

Parque Empresarial "El Águila Coors", Nave 14
50180 Utebo (Zaragoza), Spain.

Tel.: +34 **976 784 475**

WORKSHOP

Polígono Tejerías Norte. C/ Campo Bajo, 7
26500 Calahorra (La Rioja), Spain.

Tel.: +34 **941 051 915**

LOGISTICS WAREHOUSE

Polígono industrial Rifondo. Calle Ribarroja, 28.
26500 Calahorra (La Rioja), Spain.

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GRUPO
AYRTAC[®]

