

## GENERAL CATALOGUE



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# UNIMAC-GHERRI

Founded in 2008 by the fusion of UNIMAC, specialised in palletising and basket loading/unloading solutions for the food and chemical industries established in 1991, with the GHERRI of Parma, which had been active since 1936 in the agro-food sector, we are today focused on the production of filling and capping of glass containers with twist-off caps for liquid, semiliquid and pasty products.

Besides supplying its own machinery, UNIMAC-GHERRI can take care of any ancillary equipment such as labellers, level and weight checkers, packers and even product preparation rooms to provide its customers with turn-key packaging lines.

The quality and high efficiency of the equipment supplied is guaranteed over the years. End-users can rely on a prompt and efficient After Sales Service supported by direct interventions of a specialised staff wherever it is necessary. Customers' satisfaction has resulted in an increase of UNIMAC-GHERRI export sales, today exceeding 80% of its turnover.

In 2017, **UNIMAC-GHERRI became part of the AROL Group**, that includes AROL Closure System, the global point of reference with 40 years of experience in the design, manufacture and distribution of capping equipment, feeding and cap orientation machines, TIRELLI, which develops and produce filling, capping and labelling systems mainly for the cosmetics and personal care industry, and MACA Engineering, specialist in designing and manufacturing machines and complete line for the production, assembly and cut of aluminium and plastic caps and closures.

The solutions proposed by AROL Group can serve therefore beverage, wine and spirits, food, cosmetics, home care and chemical industries. To date, the AROL Group has installed **more than 29,000 machines worldwide**. It can count on **700 specialists** in **4 production plants** and **11 sales branches** in the world.



JAM

JUICE

SAUCE

HONEY



## + OUR STRENGTH

- Flexibility to study “tailor-made” solutions answering to any specific needs of the customers
- Support our customers with our know-how from the very first inquiry to the final definition of the project and start-up of the plant
- Manufacture reliable equipment, with added value for the end-users for a long time after installation
- Provide a prompt and efficient After Sales Service
- Keep the technology of our equipment updated day by day with advanced solutions to try to minimize the costs and increase the yield





# LINEAR VACUUM CAPPING MACHINES + CAP FEEDERS

- Regular, medium, deep, twist-off, Pry-twist, Pry-off, ranging between **Ø 27 ÷ 110mm and H 5 ÷ 19mm and containers Ø 30 ÷ 160mm/H 50 ÷ 260mm**
- Capping operation executed in a **saturated steam chamber** with high vacuum in the container
- Constant vacuum value
- **Easy and quick change-over adjustments**, no use of special change parts, even with the machine in operation
- Constant application torque in any working conditions
- High resistance to corrosion
- Easy cleaning and maintenance



**GG100+GG700**  
12000 CPH



**GG100+GG850**  
12000 CPH



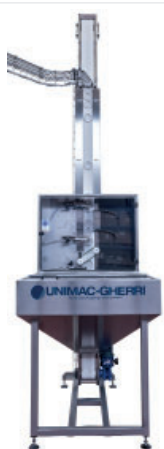
**GG250**  
30000 CPH



**GG400**  
48000 CPH



+



**GG900**  
48000 CPH



# VACUUM DETECTOR **GG670**

- Measuring system with detection without contact between sensor and cap.
- Detection of the vacuum presence and/or the lack of cap on the filled jars. Max output 24.000 containers/hour
- Container presence detected by an on/off photoelectric sensor
- Distance read by an analogic distance sensor
- Containers ejected if lacking vacuum/pressure or for reduced vacuum value, planarity error, cap missing.
- The faulty containers are ejected after a definite time or after covering a definite distance
- Self-learning and storage of 64 different products
- Forced ejection and general validation can be effected by pushbuttons
- The Detector can be used on lines at modulated speeds.



**GG670**

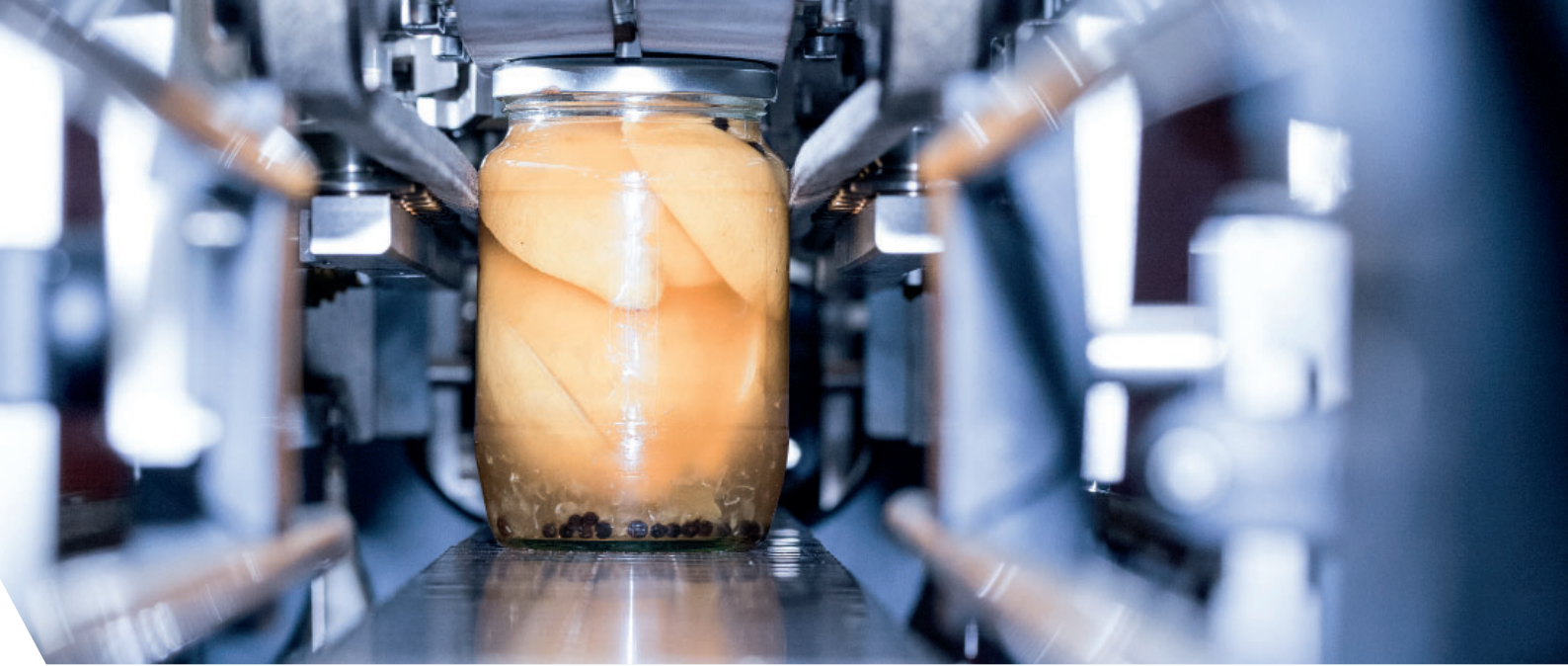
# CLEANING MACHINES FOR EMPTY CONTAINERS **GG20V, GG75, GG76**

- Max speed: 24.000 cph with 500cc containers
- Suitable for cleaning empty containers (tinplate cans, glass jars, glass bottles, plastic containers).
- Different treatments available (by air - steam - hot water)
- Full accessibility to the machine
- Easy maintenance



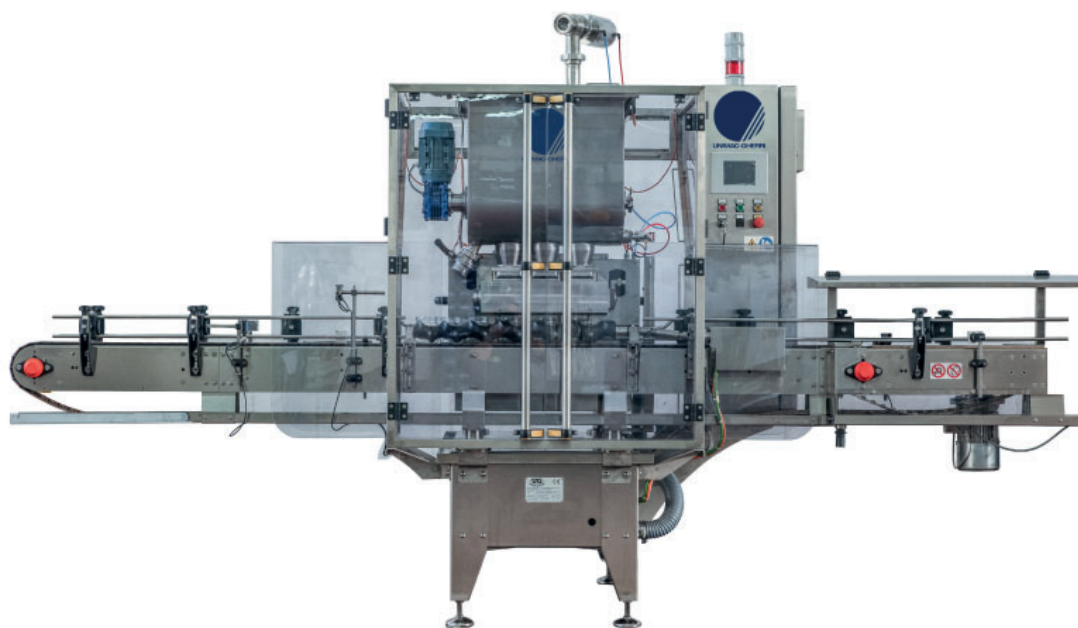
**GG20V - GG75 - GG76**





# LINEAR PISTON FILLERS **SERIES PF**

- For dense e semidense products jam, tomato paste, ketchup, sauces, baby food, paté, honey
- Max. production with 300 g jar and homogeneous product (tomato paste):  
5500 cph with linear filler PF3 (3 filling heads)  
7000 cph with linear filler PF6L (6 filling heads)
- Easy cleaning and high sanitation level
- Simple use and ergonomic controls
- Flexible product change and quick format change-over adjustments
- Easily inspectable and user-friendly
- High precision and flexibility



## **PISTON FILLER PF3T**

# VACUUM FILLERS **SERIES CV, RV**

- For oil, brine and similar products into jars and cans containing solid products
- Max speed: 10.000 containers/hour with 500cc jars and CV16 (16 filling heads)







## FLOWMETRIC FILLERS **SERIES MG/MS**

- Suitable for filling homogeneous liquids
- Max speed: 6000 cph
- High sanitation
- Easy format change-over
- High filling accuracy





# PASTEURIZING AND COOLING TUNNELS

## SERIES PRT, RT

- Max speed: 40.000 cph
- Simple and reliable machines
- Made of stainless steel and special anti-wear materials
- The treatment times and thermal cycles can be personalized
- Reduced consumptions (electricity, water, steam, air)

## WASHING AND DRYING UNITS **TUN, GG16, UG06**

### **TUN**

- Max speed: 6.000 cph
- Pre-washing tunnel for the containers before they enter the pasteurisers, with use of water.

### **GG16**

- Max speed: 12.000 cph with 500cc containers
- Washing machine for cans, plastic containers, glass bottles and jars.

### **UG06**

- Max speed: 28.000 cph with H.110mm containers
- Tunnels for fine draining to dry the containers before final packaging.

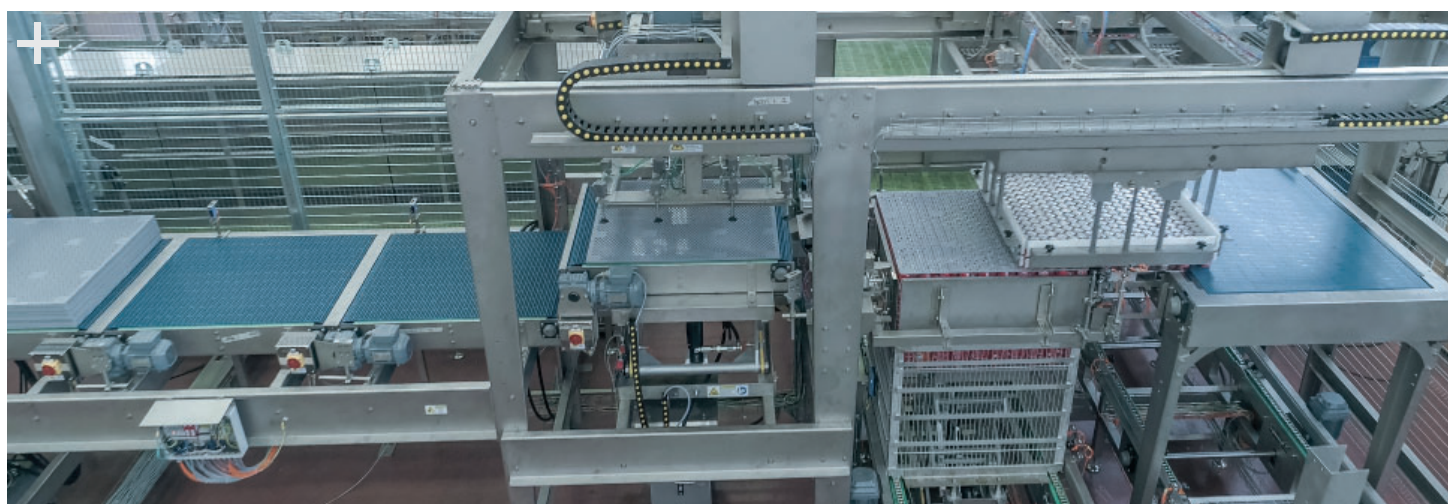
## BASKET LOADING/UNLOADING SYSTEMS

- For sterilization in autoclaves (retorts)

A wide range of solutions for the loading/unloading of baskets containing glass, metal and plastic containers destined to sterilisation in autoclaves.

From semiautomatic models UNI300 and UNI352 for low outputs (1-2 layers/min) to completely automatic models UNI304 and UNI350 with sweep-off system or UNI306 and UNI354 with magnetic pick-up heads for high speed requirements (4-5 layers/min).

All the machines can be supplied in free-standing version or integrated into complex, completely automatic systems.







## PALLETISERS AND DEPALLETISERS

- Semi-automatic and automatic depalletisers for cans, jars, bottles in bulk with sweep-off system or magnetic head
- Semi-automatic and automatic palletisers for cartons, packs, empty and full cans, full jars and bottles
- Max speed of semiautomatic models: 1 layer per minute
- Max speed of automatic models: 4-5 layers per minute







**UNIMAC-GHERRI**

Strada per Barco, 4/G  
42027 MONTECCHIO EMILIA (RE) - ITALY  
Ph: +39 0522 863 040  
e-mail: info@uni-mac.com

**AROL SPA**

Viale Italia, 193  
14053 CANELLI (AT) - ITALY  
Ph: +39 0141 820 500  
e-mail: info@arol.com

**MACA Engineering**

Via Ungaresca, 20  
33080 SAN QUIRINO (PN) - ITALY  
Ph: +39 0434 919661  
e-mail: info@macaengineering.com

**TIRELLI**

Via Vittorio Veronesi, 1  
46045 MARMIROLO (MN) - ITALY  
Ph: +39 0376 396 820  
e-mail: info@tirelli.net

**AROL HEXAGONE**

6 rue Galilée  
44340 BOUGUENAI - FRANCE  
Phone: +33 02 40 32 53 40

**AROL ESPAÑA**

C/Llull, 321-329 Edificio CINC  
08019 BARCELONA - ESPAÑA  
Ph: +34 933 091 646

**AROL GERMANY**

Sandtrift 85  
32425 MINDEN - DEUTSCHLAND  
Ph: +49 (0) 571 9341 5210

**AROL UK & IRELAND**

Royal Tunbridge Wells  
United Kingdom - UK  
Ph: +44 (0)7 760 801 810

**AROL NORTH AMERICA**

2390 Satellite Blvd. Suite D  
30518 BUFORD - GEORGIA - USA  
Ph: +1 678 318 1290

**AROL LATIN AMERICA**

Bosque de Cidros 18, Oficina 501 y 502  
Col. Bosques de las Lomas, Cuajimalpa  
C.P.05120, MEXICO, D.F.  
Ph: +52 (55) 1327.8618

**AROL BRAZIL**

Av.Ipanema, 165, cj.701-716  
Empresarial 18 do Forte  
Barueri - SP - CEP 06472-002 - BRAZIL  
Ph: +55 11 3136-2553

**AROL INDIA**

Pune IT Park, A 401/3, 34 Aundh Road Pune  
INDIA 411 020  
Ph: +91 20 3939 5603

**AROL THAILAND**

142 Two Pacific Place 14th Fl. Suite 1406-1407  
Sukhumvit Rd., Klongtoey, Bangkok 10110 THAILAND  
Ph: +66 83 756 1177

**AROL CHINA**

Nanle Rd 1276/115 Bld. 5/102  
Songjiang District,  
SHANGHAI - CHINA 201600  
Ph: +86 021 57771952

**AROL KOREA**

B11 4F, 336 Olympic-Ro, Songpa-Gu,  
SEOUL - KOREA 05542  
Phone: +82-(0)70-7722-0551

unimac-gherri.com  
arol.com  
macaengineering.com  
tirelli.net

**arol-group.com**

## **UNIMAC-GHERRI S.r.l.**

Strada Barco 4/G  
42027 MONTECCHIO EMILIA - ITALY  
Ph. +39 0522 863 046

[unimac-gherri.com](http://unimac-gherri.com)