

**FILLING CAN**



## **GAI**

For over 70 years and three generations, Gai has established several milestones in the development of high quality bottling. At the same time, the product range has grown to include sparkling beverages, spirits and oily liquids. Thus, in addition to wines and beers, now even in cans. Today, Gai machines are running worldwide, in all types of bottling and labelling operations, with specialized technical assistance and lifetime spare parts.

Easy to use, reliable and timeless machines. The highest quality standards from 500 to 24,000 b/h; Continuous research and development; Designing of large, customized systems in line with the customer's needs; Lifetime assistance and spare parts; High quality second-hand products.

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**+1 800 953 3736**

## **From 1,000 to 12,000 cans/h. GAI MLE CAN / FE CAN Series.**

### **MLE CAN Series.**

The new MLE CAN series linear monoblocks belong to an ambitious project with the aim of satisfying the increasingly frequent requests for machines suitable for cans. They are provided with a technology, which guarantees quality even to small and medium productions.

The main innovative solutions are the following:

- > The work cycle is performed using inert gas in every station, thus considerably reducing beer oxidation.
- > Disinfection is easy and safe: all circuits can be easily reached and are designed to avoid dangerous stagnations.

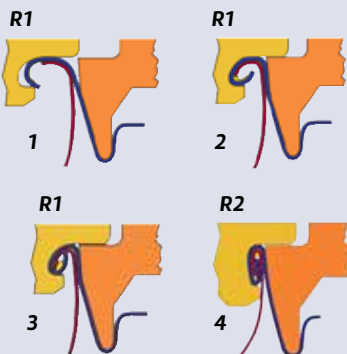
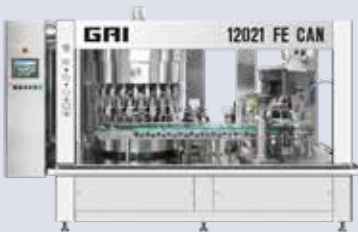
Unique on the market thanks to quality and performances.

### **FE CAN Series.**

FE CAN automatic monoblocks represent a highly technological solution for filling and seaming quality aluminum beverage cans. Made with a FLAT-type stainless steel frame, it is composed of:

- 1 - High pressure volumetric FILLER with N.24 (or N.10 for the 3621 FE CAN) electro pneumatic valves and annular vessel. The filling volume is adjustable from the control panel without manual intervention, depending on the capacity of the container. Each valve is equipped with a dummy can for cleaning and sanitizing the machine. All the circuits are canalized and the filler is prepared for a sanitizing CIP circuit. The valve can operate with a pressure up to 4 bar. The filler has an analogical level sensor suitable to administrate the feeder pump inverter. The gas pressure in all circuits is automatically handled by PLC. The filler is equipped with external washing of the filling valves.

- 2 - N.3 (or N.1 for the 3621 FE CAN) heads rotative FERRUM SEAMER mod.FC03



FUNCTION		MLE4441-CAN	MLE6661-CAN
Ø Can	inch	1.96-3.34	1.96-3.34
	mm	50-85	50-85
Rinser	n	4	6
Filler	n	4	6
Can lids dispenser	n	4	4
Seamer	n	1	1
Output	gal/h	118	172
	lt /h	450	650
Speed*	can/h	up to 1200	up to 1600
	can/min	up to 20	up to 27

MLE CAN - CAN Series, Linear Monoblock



FUNCTION		3621 FE CAN	12021 FE CAN
Ø Can	inch	1.96-2.87	1.96-2.87
	mm	50-73	50-73
Filler	n	10	24
Seamer	n	1	3
Output	gal/h	423	1057
	lt /h	1600	4000
Speed*	can/h	1000÷3600	4800÷12000
	can/min	17÷60	80÷200

FE CAN - High speed rotary CAN Monoblock



\* Production referred to beer at : 2 bar, <+4°C. Speed referred to Lt 0,33 can

### VOLUMETRIC FILLING VALVE

This volumetric filling valve for FE-CAN with electro-pneumatic operation has important features and is integrated with the turret in order to optimize the washing cycle with the application of dummy cans.

Use of 4 electro-pneumatic valves to control separately the circuits of:

Gas prefluxing and return filling / Flushing / Gas flux return / Degassing.

### SEAMING

The seaming operation takes place in two distinct stages, this guarantee perfect sealing. The can is raised up by the piston against the chuck and rotated by both devices. The 1st operation roll R1 is mechanically brought against the lid, held by the M chuck, and then dragged into rotation.

1. Start of 1st operation seam formation
2. Partially formed 1st operation seam: forming the end curl under the flange
3. Finished 1st operation seam formation

The roll R1 moves away and the 2nd operation roll R2 stars its function; this last is pressed against the first seam to complete the operation and finally seal the lid on the can.

4. Finished 2nd operation seam formation: seaming completed.

The can is then transferred from the outlet star toward the monoblock outlet.