

# BREWING



LEADERS  
INNOVATE.

**comac**  
kegging, bottling & canning plants



# INDEX



CAN FILLING &  
SEAMING



GLASS BOTTLES  
FILLING



KEG SYSTEMS



OTHER BREWING  
EQUIPMENT



END OF LINE





# CAN FILLING & SEAMING

## PEGASUS

COUNTER-PRESSURE CAN FILLING / SEAMING MACHINE

### TECHNICAL DATA

Speed up to 3,600 cph. Counter-pressure can filling /seaming machine.

Pegasus can filling / seaming monoblock is a part of canning machines manufactured by Co.Mac S.r.l., based on counter-pressure filling technology, suitable for filling carbonated and still beverages in aluminium cans.

The machine is designed to rinse cans with CO2 or other inert gas, fill them with product and finally seam the lids.



### BENEFITS

- Optimal settings for all filling parameters (flushing, evacuating, pressurization, filling, snifting...)
- Adjustable, dedicated recipes for different types of product that can also be selected by HMI
- All filling parameters always stay the same; they do not depend on the capacity of the machine, as for classical mechanical fillers

## MICROBREW

### HIGHLY COMPACT FILLER & SEAMER MONOBLOCK

One of the top sellers compact solutions for the micro-brewing market: Microbrew is our compact filler & seamer monoblock especially engineered to provide premium equipment to small & medium sized breweries to help them reaching high performance. Speed up to 6.000 CPH.

### BENEFITS

- Highly performing: up to 6.000 cph
- Guaranteed quality: lowest oxygen pick-up in the market
- Highest level of seaming quality



# MASTER C BLOCK

AUTOMATIC FILLING AND SEAMING MONOBLOCK SYSTEM



## MAIN TECHNICAL FEATURES

The Master C Block is part of CFT Group's range of premium equipment accessible to small & medium sized breweries at competitive market prices and features a top level of performances. Speed from 3.000 up to 15.000 CPH.

## BENEFITS

- Highly compact: downsized footprint while maintaining very high production standard: suitable for limited space and easy to install
- Machine available up to 24 valves
- Performing up to 15.000 cph
- Highly precise: flow meter technology with high filling point accuracy





## MASTER C TECH

### FILLING MACHINE FOR STILL AND CARBONATED PRODUCTS

This monoblock is based on proven counter-pressure filling technology paired with our «state of the art» seaming technology. It is suitable for the filling of still or carbonated beverages in both steel and aluminum cans. Speed range from 3.000 up to 84.000.

### BENEFITS

- Flowmeter filling technology with high fill point accuracy
- High quality seaming
- Speed up to 84.000 cph



# SEAMING TECHNOLOGIES

We produce a range of 3 series of high quality seaming machines and components in-house, including chucks and rolls. Our seamers are the ideal solution to seal cylindrical cans made of steel, aluminium, cardboard and plastic, as well as very thin and hard materials. All CFT Group seaming technologies can be tested in our seaming test laboratory and can handle both Food and Beverage products.

#### 3000 N SERIES



«Rotary Can» seamers, food or beverage version available, featuring 4 to 12 heads, up to 1500 cpm. Suitable for diameters. 52 to 105 mm.

#### 3000 IB SERIES



Rotary Can seamers, food or beverage version available, featuring 4 to 6 heads, up to 600 cpm. Suitable for diameters. 52 to 105 mm.

#### 3000 E SERIES



A fully electronic seamer designed for a wide range of cans (cardboard, aluminium, plastic, tinplate) and all types of lids (aluminium, steel). The cans diameter can go from 50 to 99 mm, the height from 45 to 290 mm.

#### 2000 L SERIES



Rotary can seamers, food or beverage version available, featuring 2 to 6 heads, up to 600 cpm. Suitable for diameters from 52 to 99 mm.

#### 2000 S SERIES



Stationary can seamers for food products, ideal for diced tomatoes and fruit salads; 3 and 4 seaming head models, up to 200 cpm. Suitable for diameters from 99 to 180 mm.

#### VACUUM SERIES



The 8-heads seamer, installed inside the vacuum chamber, can run up to 600/700 cpm. Can diameter range from 50 to 73 mm.





# GLASS BOTTLES FILLING

## SAGITTA

COUNTER-PRESSURE GLASS BOTTLE RINSING  
/ FILLING / CAPPING MACHINE

Sagitta glass bottle rinsing / filling / capping monoblock is based on counter-pressure filling technology, suitable for filling carbonated and still beverages in glass bottles. The machine is designed to rinse the bottles with water or other disinfectant solutions, fill them with product and finally close them. The use of electro-pneumatic filling valves makes this machine a perfect solution for the low/medium capacity lines. Speed range from 2.500 up to 6.000 BPH.

### BENEFITS

- Optimal settings for all filling parameters (flushing, evacuating, pressurization, filling, snifting...)
- Adjustable, dedicated recipes for different types of product that can also be selected by HMI
- All filling parameters remain unchanged; they do not depend on the capacity of the machine, as for classical mechanical fillers



**comac**  
Kegging & bottling plants  
**SAGITTA 12121P**

# MASTER G TECH

COUNTER-PRESSURE FILLING MACHINE FOR FILLING  
DRINKS IN BOTH GLASS AND PET BOTTLES

### MAIN FEATURES

Master G Tech is a filler for glass bottles. It is based on counter-pressure filling technology, suitable to fill carbonated and still drinks. This machine is the result of advanced research and development towards a target of heavy/duty construction and high-quality standards (having always been our top goal) in the field of carbonated and still products (water, soft drinks, beer, juices). Speed range from 3.000 up to 80.000 BPH.



### BENEFITS

- Hygienic design: self-draining base, adjustable water nozzles
- Excellent product quality
- Fully automatic dummy bottles insertion
- Electronic control of the filling phases



# KEG SYSTEMS

## K1 & K2

### SEMI-AUTOMATIC KEG WASHERS/FILLERS FOR CRAFT BREWERIES

This line of semi-automatic keg washers/fillers has been designed and manufactured to offer a professional machine to small to medium companies as well. Smart keg washers/fillers have the same filling head, washing head, process components and instrumentation of bigger Comac plants. Speed from 15 to 36 KPH.

Basic model includes, factory-fitted, all that is necessary for a top-of-the-range machine.

K1 consists of a single washing/filling head and comes complete with one or two detergent tanks. It washes and fills from 15 to 18 kegs per hour, depending on the keg size and washing cycle.

K2 consists of two heads – one washing head and one filling head – and comes with one, two or three detergent tanks. Its output is 30 to 36 kegs per hour, depending on the keg size and washing cycle.

Robust and user-friendly, they are easy to install and connect, and guarantee hygienic washing and filling operations.

### TECHNICAL DATA

- Stainless steel switchboard
- Tank heating (steam injector)
- Product piping and utilities according to DIN 11850 (internal roughness max 0.8)
- Sight glass on product
- Hardware for remote assistance

### BENEFITS

- VERY SHORT LEAD TIME (4 weeks for standard configurations of both K1 and K2)
- EXTREMELY EASY TO INSTALL, connect and use
- REQUIRE VERY LIMITED SPACE
- EQUIPPED WITH COMPONENTS OF WELL-KNOWN BRANDS, easy to find on local markets
- HIGH DEGREE OF HYGIENE
- EASY AND COST-EFFECTIVE MAINTENANCE
- QUICK CHANGE-OVER PROVISIONS
- AFTER-SALES TECHNICAL ASSISTANCE available
- 24 hours, 6 days a week



# AUTOMATIC KEG WASHERS/FILLERS

## WALKING BEAM TYPE

### KEG WASHERS/FILLERS SUITABLE FOR AUTOMATIC KEG LINES

Machines designed to automatically perform both washing and filling cycles and keg displacement. Speed from 30 to 240 KPH.

There are several models available, according to the machine output and cleaning cycles required:

- Portofino model consists of one washing head, one steam contact position and one filling head, and has got an output of approx. 30 to 36 kph
- Capri model consists of two washing heads, one steam contact position and one filling head, and has got an output of approx. 50 to 55 kph
- Siena model consists of three washing heads, one caustic soaking position and one filling head, and has got an output of approx. 60 to 70 kph







- Trieste model consists of three washing heads, one caustic soaking position, one steam contact position and one filling head, and has got an output of approx. 60 to 70 kph.
- Verona model consists of four washing heads, one caustic soaking position and one filling head, and has got an output of approx. 60 to 75 kph
- Bologna model consists of four washing heads, one caustic soaking position, one steam contact position and one filling head, and has got an output of approx. 60 to 80 kph
- Torino model consists of five washing heads, one caustic soaking position and one filling head, and has got an output of approx. 60 to 80 kph
- Milano model consists of five washing heads, one caustic soaking position, one steam contact position and one filling head, and has got an output of approx. 60 to 80 kph

## MAIN FEATURES

- High hygiene degree.
- Equipped with components of well-known brands, easy to find on local markets.
- Easy and cost-effective maintenance.
- Quick change-over provisions.
- After-sales technical assistance available 24 hours, 6 days a week.



# BERGAMO

## HIGH SPEED SYSTEM

### TECHNICAL DATA

Fully automatic modular system of pre-washing, washing and filling for kegs, designed for high-speed and high-efficiency production lines. Speed from 250 KPH and up to 1600 kph.

The keg system consists of three modules: a pre-washing module, a washing module and a keg filler. Each module is made of AISI 304 stainless steel and equipped with six treatment heads. The pre-washing and washing heads are in stainless steel AISI 304L or AISI 316L (in case of use of acid solution), with internal roughness  $<0.6 \mu$ , equipped with EPDM seals, PTFE valve obturators and magnetic sensors, to control the opening of the fitting.

The filling heads are made of stainless steel AISI 316L, with internal roughness  $<0.6 \mu$ , equipped with EPDM seals, PTFE valve obturators and magnetic sensors, to control the opening of the fitting. The filling of the kegs is controlled by a flowmeter. The kegs are introduced into the machine via a robotic system, which transfers them directly into the various treatment heads, equipped with devices for the control of the working cycles. The electrical panel installed in the machine is made of stainless steel (IP54) and provided with PLC; the pushbutton control panel too is made of stainless steel (IP54). The modules are supplied complete with automatic sanitization systems that do not require the manual installation of false kegs.







## BENEFITS

- Extremely high efficiency rates and high degree of hygiene
- Optimization of the cycle times due to a fast loading system and a working cycle which do not require the keg to be moved from one head to another inside the machine
- Reduced fitting gasket and spring wearing, as pre-washing, washing and filling processes are distributed on three heads: PRE-WASHING is carried out on the first head, washing on the second and filling on the third, with significant reduction of keg maintenance costs
- The limited number of fitting opening strokes grants a reduced wear and tear of the guide sleeves and head components and therefore leads to reduced downtimes, maintenance times and costs
- Improved flexibility of the line, thanks to the independence of each pre-washing, washing and filling head from the others. A damaged or faulty head can be excluded from operation while production continues on the others
- Equipped with components of well-known brands, easy to find on local markets

## KEG EQUIPMENT AND ACCESSORIZATION

- Keg inspection devices,
- Keg weighers,
- Turners, cappers and decappers,
- Washing systems specifically engineered and manufactured for kegs.

# OTHER BREWING EQUIPMENT

## TUNNEL PASTEURIZERS

CFT Group supplies premium tunnel pasteurizers equipped with an automatic system which prevents over-pasteurization in the event of stoppage of the internal conveyor.



## CIP SYSTEMS

Various sizes and configuration.

- Tanks sizes (volume, height, diameter)
- Pump speeds – flow rates
- Number of CIP circuits
- Flexible layout
- Hot / cold block, packaging
- Tanks and lines
- Automated chemical dosing
- Automation and sensors – central / decentral

Water saving by recovery tanks, automated procedures in combination with sensors.

Detergent Saving by metered dosing and concentration, automated procedures and flexible recipes.

Product Safety by automation and mixed proof installation, strainers





# END OF LINE

Our End of Line technological platform features automated solutions for secondary packaging equipment and sorting. Please refer to our catalog dedicated to the End of line solutions for all the details.

## PALLETIZERS AND DEPALLETIZERS



High and low level palletizers and depalletizers for multiple type of containers like empty cans, jars and bottles.

## BASKET LOADING AND UNLOADING SYSTEMS



Complete basket/crate loading and unloading machines and custom-tailored combi systems, with different speeds and capacities.

## KEGS HANDLING



Kegs centering devices, palletizers and depalletizers, pallets stackers and unstackers, pallets' warehousing and control stations.

## ALL IN ONE



Packaging machines equipped with the most advanced technologies, able to handle every kind of format.

## PICK AND PLACE SYSTEMS



Packaging machines with pick and place systems able to handle very different kind of formats.

## PAL FOR CARTONS AND BUNDLES



We design premium robotic palletizing systems specifically engineered and manufactured to handle bundles and cartons.

## DEPAL FOR LAYERS



Complete robotic depalletizing systems specifically engineered for layers handling.







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