



WE'RE PROUD TO PRODUCE IN ITALY
a quality valued all over the world



WHO WE ARE

Comas was established in San Casciano Val di Pesa, near Florence, in 1979. The company immediately specialised in manufacturing fluid filling machines for the pharmaceutical and cosmetic industries. Over time, it expanded to other markets processing containers for diagnosis and products for the nutraceutical industry.

Since then, **Comas** have worked on an ever-growing number of technologies to meet their customers' requirements and needs and, to successfully face the challenges encountered.

The company is in constant evolution in terms of technology and compliance with regulations, and it focuses on developing solutions tailor-made to customers' needs and not the other way around, where customers have to adapt their requirements to a given standard solution. This is the reason why every single **Comas** machine as well as their mechanical and electronic components is developed by our design department.

After 40 years in the business, **Comas** s.r.l. is proud of its over 1200 machines installed all around the world, covering a spectrum of flexible as well as reliable applications.

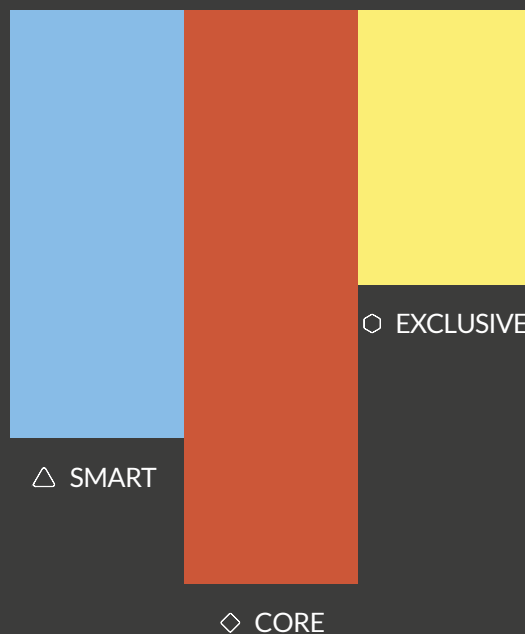
Comas further expanded in 2016, when a new production plant was opened to better adjust to the new market requirements and to streamline the production process.



TYPES

OF MACHINES

PER PRODUCT CATEGORY AND PER PRODUCTION CAPACITY





PHARMACEUTICAL

FD120

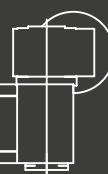
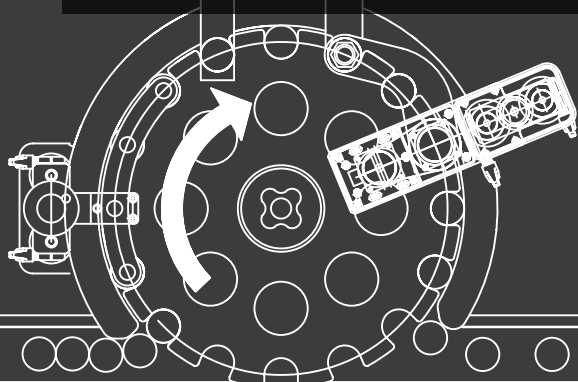
CATEGORY & CAPACITY
PHARMACEUTICAL
◇ CORE

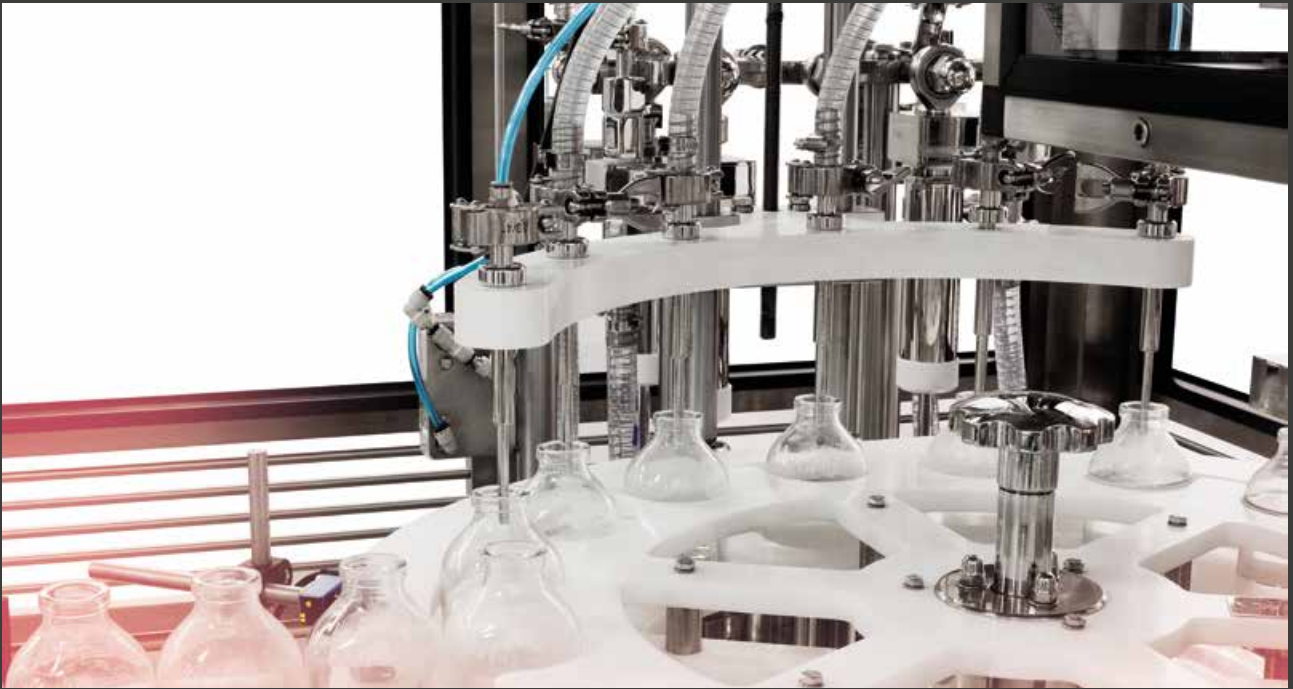
Also for
COSMETICS



DATA	SINGLE INDEX	DOUBLE INDEX
BOTTLE INDEX FEEDING SYSTEM	ALTERNATING, ON STARWHEEL FULLY AUTOMATIC	ALTERNATING, ON STARWHEEL FULLY AUTOMATIC
FILLING SYSTEM		
FILLING PUMPS	STANDARD	STANDARD
PERISTALTIC PUMPS	ALTERNATIVE	ALTERNATIVE
POWDER DOSING HEAD	ALTERNATIVE	ALTERNATIVE
FILLING RANGE (ML) *	0 - 500	0 - 200
MAX MECHANICAL SPEED (BPH)	4.000	6.000
MAX BOTTLE DIAM. (MM)	80	40
CAN WORK IN STERILE ROOM	OPTIONAL	OPTIONAL
L.A.F. EQUIPPED	OPTIONAL	OPTIONAL
CIP/SIP EQUIPPED	OPTIONAL	OPTIONAL
ELECTRONIC FILLING ADJUSTMENT	YES	YES
AUTOMATIC REJECT NO BOTTLE - NO FILL	YES OPTIONAL	YES OPTIONAL

*Other capacities available on request





The FD120 model is a versatile, single-unit machine, designed to fill and close most pharmaceutical containers.

Its special design a traditional single-unit ensures ideal flexibility and ease of use for both operators and the customer's maintenance technician.

At the same time, the machine has been designed to meet the standards in force in the pharmaceutical industry and to work in sterile rooms for processing injectable products, plus the chance to be equipped with a LAF system. The machine has been built using FDA-approved materials such as stainless steel and anodised aluminium.

If the machine needs to be configured to work in sterile rooms, AISI 316L stainless steel is used, paying utmost care to finishing, according to GMP regulations.

The FD120 comes in two versions- single index and double index. The double-index model processes two bottles per cycle so that a greater output is guaranteed.

This fully-automatic machine can be equipped with systems to work with stoppers, caps and cover-caps simultaneously. The operator can adjust most of the machine functions from the control panel.



RFC8

CATEGORY & CAPACITY
PHARMACEUTICAL
◇ CORE



DATA

BOTTLE INDEX
FEEDING SYSTEM

CONTINUOUS MOTION, ON STARWHEELS
FULLY AUTOMATIC

FILLING SYSTEM

FILLING PUMPS
PERISTALTIC PUMPS
FLOWMETERS
LEVEL FILLING
FILLING RANGE (ML) *

STANDARD
ALTERNATIVE
ALTERNATIVE
ALTERNATIVE
0 - 250

MAX MECHANICAL SPEED (BPH)

15.000

MAX BOTTLE DIAM. (MM)

80

CAN WORK IN STERILE ROOM

OPTIONAL

L.A.F. EQUIPPED

OPTIONAL

CIP/SIP EQUIPPED

OPTIONAL

ELECTRONIC FILLING ADJUSTMENT

YES

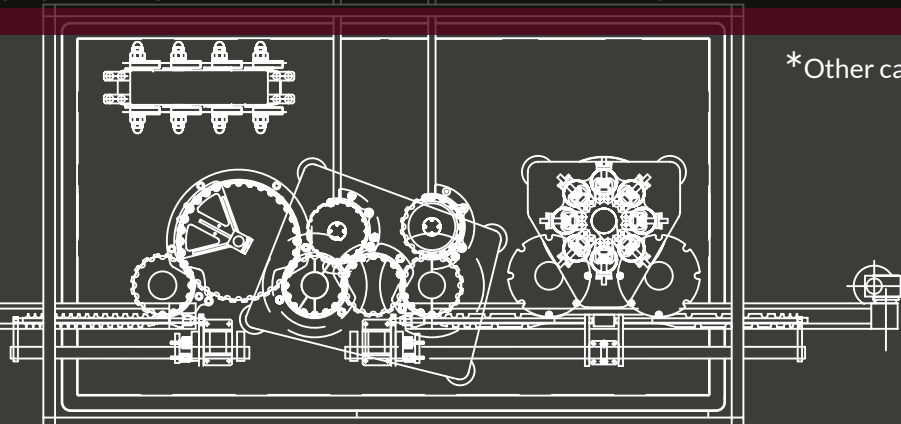
AUTOMATIC REJECT

YES

NO BOTTLE - NO FILL

YES

*Other capacities available on request





The RFC8 model is a continuous-motion filling and capping machine that can reach high production speeds.

It has been designed to meet the standards in force in the pharmaceutical industry and to work in sterile rooms for processing injectable products, plus the chance to be equipped with a LAF system.

The machine is fully automatic. Containers are filled by means of a tracking sector to ensure faster speeds and, at the same time, enhanced dosing precision.

Containers are capped by means of multiple capping heads positioned on devices that turn at the same speed bottles do. The machine can work with stoppers, caps and cover-caps simultaneously.

The operator can adjust most of the machine functions from the control panel.

The machine has been built using FDA-approved materials such as stainless steel and anodised aluminium.

If the machine needs to be configured to work in sterile rooms, AISI 316L stainless steel is used, paying utmost care to finishing, according to GMP regulations.



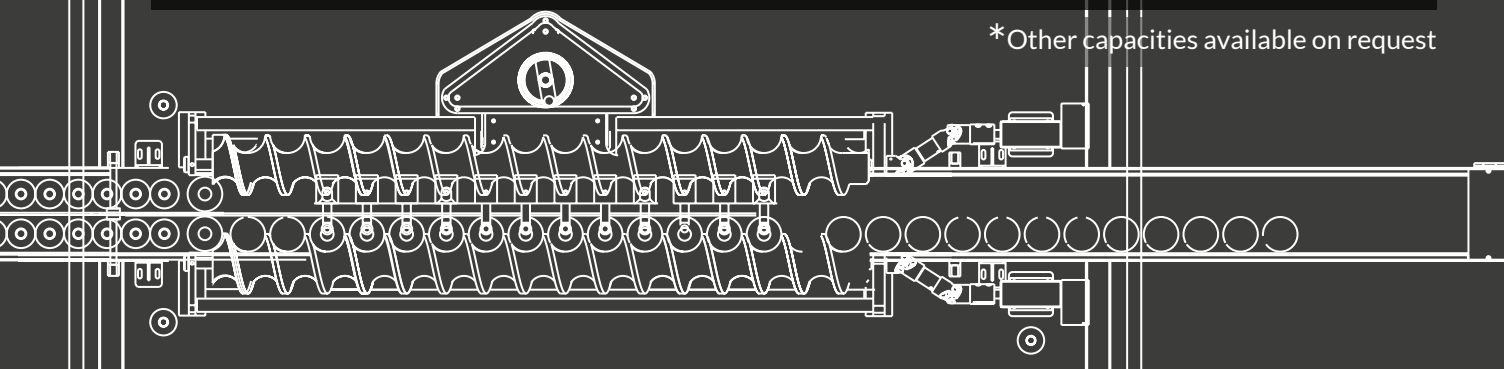
RL SERIES

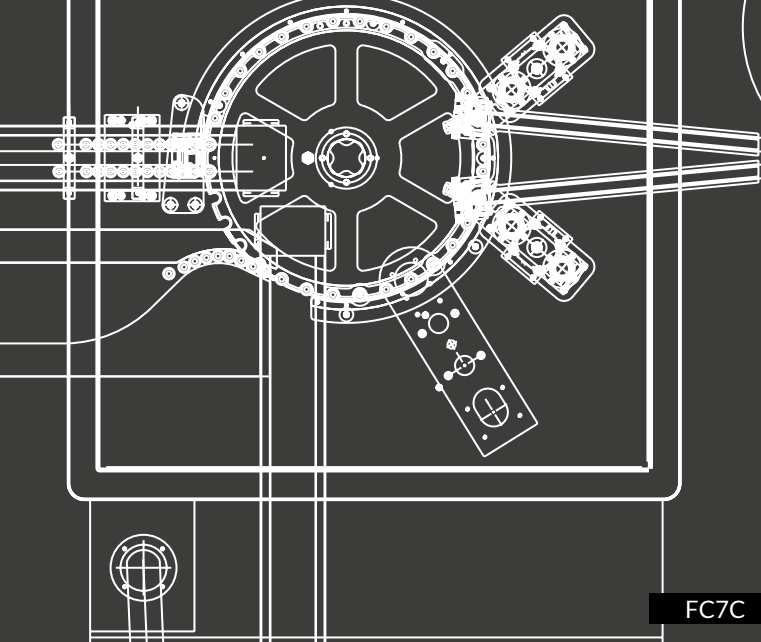
CATEGORY & CAPACITY
PHARMACEUTICAL
◇ CORE △ SMART



DATA	SINGLE AUGER	DOUBLE AUGER
BOTTLE INDEX	AUGER FILLING	AUGER FILLING
FEEDING SYSTEM	FULLY AUTOMATIC	FULLY AUTOMATIC
FILLING SYSTEM		
FILLING PUMPS	STANDARD	STANDARD
PERISTALTIC PUMPS	ALTERNATIVE	ALTERNATIVE
FLOWMETERS	STANDARD	STANDARD
LEVEL FILLING	ALTERNATIVE	ALTERNATIVE
WEIGHT FILLING	ALTERNATIVE	ALTERNATIVE
FILLING RANGE (ML)*	30 – 500	30 – 500
MAX MECHANICAL SPEED (BPH)	6.000	12.000
MAX BOTTLE DIAM. (MM)	100	100
CAN WORK IN STERILE ROOM	OPTIONAL	OPTIONAL
L.A.F. EQUIPPED	OPTIONAL	OPTIONAL
CIP/SIP EQUIPPED	OPTIONAL	OPTIONAL
ELECTRONIC FILLING ADJUSTMENT	YES	YES
AUTOMATIC REJECT	N/A	N/A
NO BOTTLE - NO FILL	OPTIONAL	YES*

*Other capacities available on request





FC7C



The RL Series are in-line auger filling machines that use mass flow meters or other types of dosers.

The machine is fully automatic and it comes in two different versions: With single or double auger. The double-auger version minimizes bottle loading/unloading times as it conveys the filling sector from one auger to the other to move the bottles to the auger in which they are not filled.

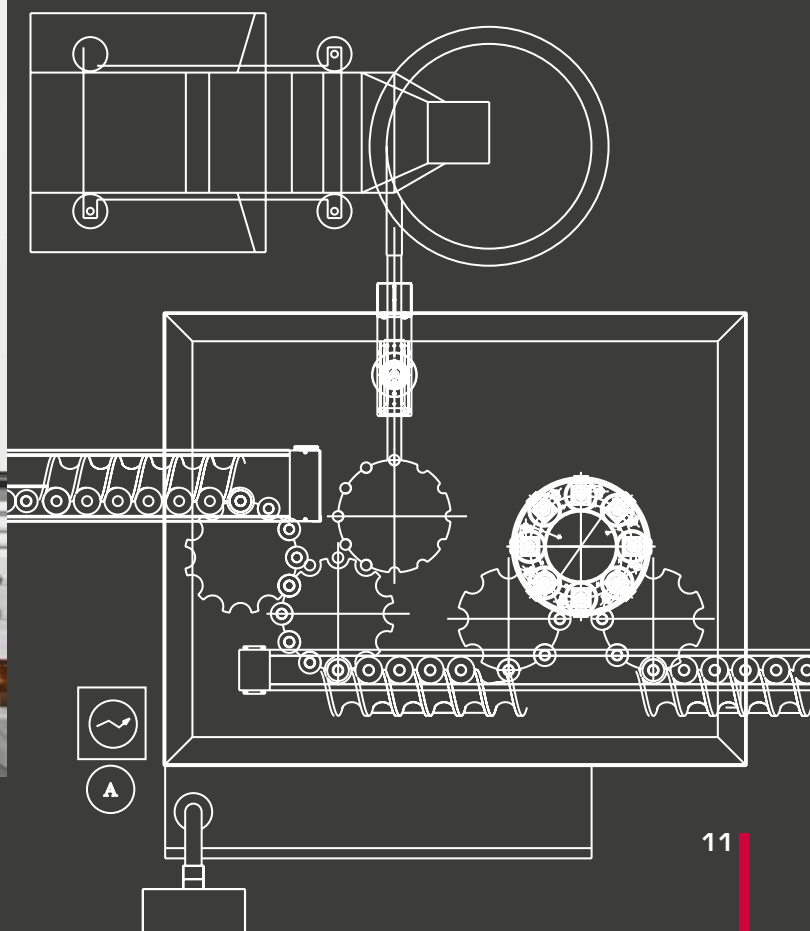
Depending on the required speed, the machines of the RL series can be connected to single-unit alternating-motion (FC7c) or continuous-motion (RFC8c) capping machines.

So configured, the line can work in sterile rooms to process injectable products plus the chance to be equipped with a LAF system along the entire line until bottles are capped.

The machine has been built using FDA-approved materials such as stainless steel and anodised aluminium. If the machine needs to be configured to work in sterile rooms, AISI 316L stainless steel is used, paying utmost care to finishing, according to GMP regulations.



RFC8C



RS1

CATEGORY & CAPACITY
PHARMACEUTICAL
△ SMART

The RS1 model has been designed to meet the requirements of customers who need a relatively low production speed but, at the same time, quality and a sterile filling.

The machine has been designed to meet the standards in force in the pharmaceutical industry and to work in sterile rooms for processing injectable products, plus the chance to be equipped with a LAF system.

Bottles are moved in line through a special double walking beam conveying system patented by Comas to guarantee more effective stability and precision and to minimise rejects.

The machine is available in two versions and both are fully automatic One to move and close plastic bottles (from a feeder, with stopper and screw cap) or glass bottles (from a built-in rotating table, with rubber stopper and aluminium cap).

The machine has been designed to work in sterile rooms for processing injectable products, plus the chance to be equipped with a LAF system. AISI 316L stainless steel is used to build it, paying utmost care to finishing, according to GMP regulations.



DATA

BOTTLE INDEX	ALTERNATING, ON WALKING BEAM
FEEDING SYSTEM	FULLY AUTOMATIC

FILLING SYSTEMS

FILLING PUMPS	ALTERNATIVE
PERISTALTIC PUMPS	STANDARD
TIME/ PRESSURE	ALTERNATIVE
POWDER DOSING HEAD	ALTERNATIVE
FILLING RANGE (ML) *	0 - 35

MAX MECHANICAL SPEED (BPH)	1.500
MAX BOTTLE DIAM. (MM)	35
CAN WORK IN STERILE ROOM	YES
L.A.F. EQUIPPED	OPTIONAL
CIP/SIP EQUIPPED	OPTIONAL
ELECTRONIC FILLING ADJUSTMENT	YES
AUTOMATIC REJECT	YES
NO BOTTLE - NO FILL	YES

*Other capacities available on request



The RS2 model was the answer to the need of having a compact machine that would be flexible as well.

Containers are filled in line to increase machine output and the closing stages occur on a small starwheel. Thus, downtimes and 'bottle necks' caused by filling special products are minimised.

The machine has been designed to work in sterile rooms for processing injectable products, plus the chance to be equipped with a LAF system. AISI 316L stainless steel is used to build it, paying utmost care to finishing, according to GMP regulations.

DATA

BOTTLE INDEX	ALTERNATING, IN LINE FILLING; CAPPING ON STARWHEEL
FEEDING SYSTEM	FULLY AUTOMATIC
FILLING SYSTEM	
FILLING PUMPS	ALTERNATIVE
PERISTALTIC PUMPS	STANDARD
FLOWMETERS	ALTERNATIVE
TIME/ PRESSURE	ALTERNATIVE
FILLING RANGE (ML) *	0 - 100
MAX MECHANICAL SPEED (BPH)	4.000
MAX BOTTLE DIAM. (MM)	45
CAN WORK IN STERILE ROOM	YES
L.A.F. EQUIPPED	OPTIONAL
CIP/SIP EQUIPPED	OPTIONAL
ELECTRONIC FILLING ADJUSTMENT	YES
AUTOMATIC REJECT	YES
NO BOTTLE - NO FILL	YES

*Other capacities available on request



DATA

BOTTLE INDEX FEEDING SYSTEM	CONTINUOUS MOTION, ON STARWHEELS FULLY AUTOMATIC
FILLING SYSTEM	
FILLING PUMPS	STANDARD
FILLING RANGE (ML) *	0 - 10
MAX MECHANICAL SPEED (BPH)	15.000
MAX BOTTLE DIAM. (MM)	10
CAN WORK IN STERILE ROOM	YES
L.A.F. EQUIPPED	STANDARD
CIP/SIP EQUIPPED	STANDARD
ELECTRONIC FILLING ADJUSTMENT	YES
AUTOMATIC REJECT	YES
NO BOTTLE - NO FILL	YES

*Other capacities available on request



The FCP model is a continuous-motion filling and capping machine for dental carpules that can reach high production speeds.

It has been designed to process injectable products in sterile rooms, plus the chance to be equipped with a LAF system. The machine is fully automatic. Containers are filled by means of a tracking sector to ensure faster speeds and, at the same time, enhanced dosing precision.

Containers are capped by means of multiple capping heads positioned on devices that turn at the same speed bottles do. The operator can adjust most of the machine functions from the control panel.

The machine has been built to work in sterile rooms, so AISI 316L stainless steel is used, paying utmost care to finishing, according to GMP regulations.



MNDA1

CATEGORY & CAPACITY
PHARMACEUTICAL + COSMETIC
CORE



DATA

BOTTLE INDEX	ALTERNATING, ON WALKING BEAM
FEEDING SYSTEM	FULLY AUTOMATIC

FILLING SYSTEM

FILLING PUMPS	STANDARD
PERISTALTIC PUMPS	STANDARD
TIME/PRESSURE	STANDARD
FILLING RANGE (ml)*	0 - 10

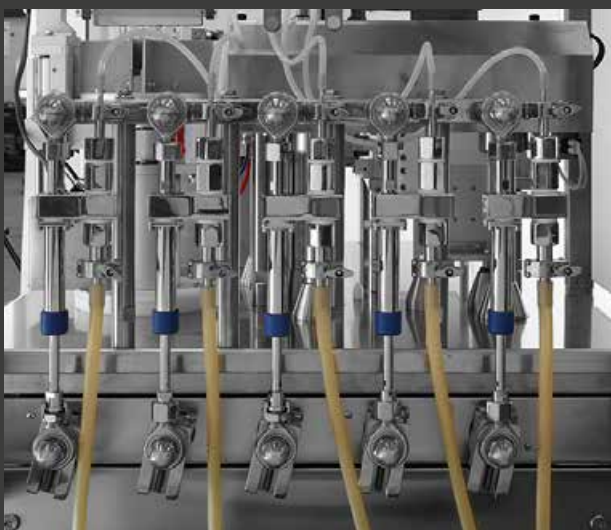
MAX MECHANICAL SPEED	1.500 STRIPS/HOUR
CAN WORK IN STERILE ROOM	YES
L.A.F. EQUIPPED	YES
CIP/SIP EQUIPPED	YES
ELECTRONIC FILLING ADJUSTMENT	YES
NO BOTTLE - NO FILL	OPTIONAL

*Other capacities available on request



MNDA1 is an automatic machine for filling and sealing of single-dose in strip vials. Featured by a very reduced dimension, thanks to an innovative “U” arrangement,

The main innovation concern the sealing of the bottle immediately after the filling phase, and the added heating system. Automatic loading of single-dose stripes. Filling system by nozzle, peristaltic pump or time/pressure. Heat system by infrared lamps. Sealing with customized clamp.



SA1200

CATEGORY & CAPACITY
PHARMACEUTICAL
◇ CORE



DATA

BOTTLE INDEX
FEEDING SYSTEM

CONTINUOUS MOTION
FULLY AUTOMATIC

MAX MECHANICAL SPEED (BPH)
MAX BOTTLE DIAM. (mm)

10.000
90

DEIONIZED BLOWING NOZZLE
BLOW AND SUCK DEVICE

OPTIONAL
OPTIONAL



The SA1200 model is a continuous-motion blowing machine.

It includes a vertical wheel featuring seats where bottles are accommodated so that they are overturned by 180° during cleaning.

Bottles can be fed by means of the infeed belt or the rotating table tray included in the machinery.

The SA1200 uses a filtered compressed-air circuit to clean bottles internally, a filter housing made of AISI 316 stainless steel and a cartridge filter (0.22 µ).

FL101

CATEGORY & CAPACITY
PHARMACEUTICAL
○ EXCLUSIVE



The FL101 model is a continuous-motion machine to process bags or other unstable containers that need to be handled by the neck.

The path of the machine is a longitudinal oval base on which a large number of devices for different processes can be added, such as cappers, hot sealers, etc. Containers are filled by means of a tracking sector to ensure faster speeds and, at the same time, enhanced dosing precision.



DATA

BOTTLE INDEX FEEDING SYSTEM	CONTINUOUS MOTION, PUCKS ATTACHED TO A VERTICAL BELT FULLY AUTOMATIC
FILLING SYSTEM	
FLOWMETERS	STANDARD
FILLING RANGE (ML) *	50 - 1.000
MAX MECHANICAL SPEED (BPH)	5.000
MAX BOTTLE DIAM. (MM)	N/A
CAN WORK IN STERILE ROOM	OPTIONAL
L.A.F. EQUIPPED	OPTIONAL
CIP/SIP EQUIPPED	OPTIONAL
ELECTRONIC FILLING ADJUSTMENT	YES
AUTOMATIC REJECT	YES
NO BOTTLE - NO FILL	YES

*Other capacities available on request



OUR JOB IS NOT ONLY A JOB

IT'S A PASSION





COSMETIC

RMC

CATEGORY & CAPACITY
COSMETIC
△ SMART



DATA

BOTTLE INDEX

IN LINE FILLING, CAPPING ON STARWHEEL, BOTH DIRECTLY ON CONVEYOR OR ON PUCKS

FEEDING SYSTEM

SEMI-AUTOMATIC BY DEFAULT. CAN WORK IN FULLY AUTOMATIC MODE.

FILLING SYSTEM

FILLING PUMPS

ALTERNATIVE

FLOWMETERS

STANDARD

LEVEL FILLING

ALTERNATIVE

PNEUMATIC DOSERS

ALTERNATIVE

FILLING RANGE (ML) *

0 - 1.000

MAX MECHANICAL SPEED (BPH)

3.000

MAX BOTTLE DIAM. (MM)

90

CAN WORK IN STERILE ROOM

NO

L.A.F. EQUIPPED

NOT AVAILABLE

CIP/SIP EQUIPPED

NOT AVAILABLE

ELECTRONIC FILLING ADJUSTMENT

ACCORDING TO THE FILLING SYSTEM

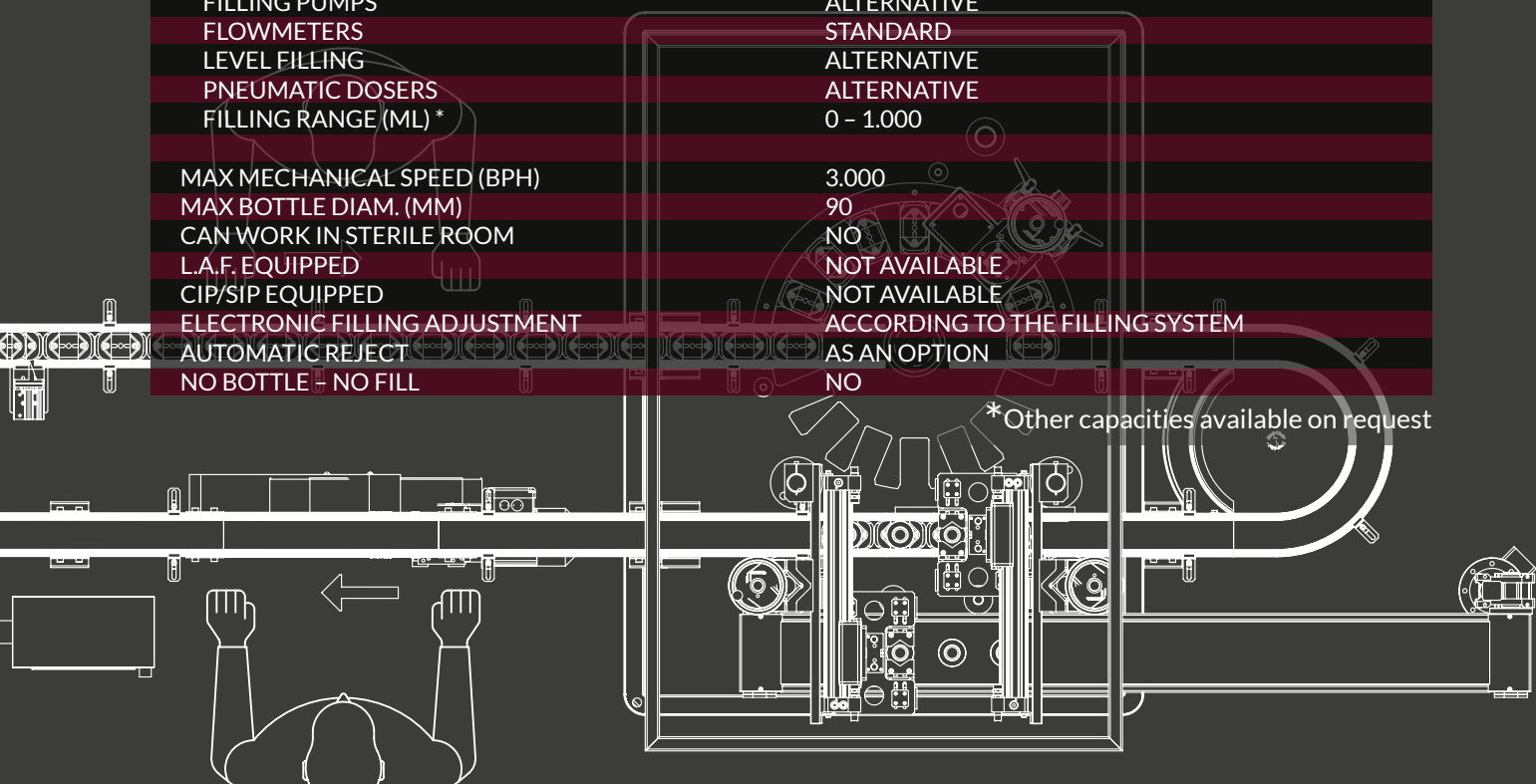
AUTOMATIC REJECT

AS AN OPTION

NO BOTTLE NO FILL

NO

*Other capacities available on request





The RMC model was created as an answer to manufacturers that need a highly-flexible machine, like those who must produce several small-quantity batches every day.

The RMC, which includes a filling unit and a capping unit independent one from the other, can actually work by means of pucks or leave bottles free on the belt. Different filling and capping systems can be fitted.

The time required to change format is extremely short and the operations, in most of the cases, can be carried out by non-specialised personnel too.

RT SERIES

CATEGORY & CAPACITY
COSMETIC
◇ CORE



DATA

BOTTLE INDEX
FEEDING SYSTEM

ALTERNATING, PUCKS ATTACHED TO A BELT
SEMI-AUTOMATIC BY DEFAULT. CAN WORK IN FULLY
AUTOMATIC MODE.

FILLING SYSTEM

FILLING PUMPS

FLOWMETERS

POWDER DOSING HEAD

LEVEL FILLING

PNEUMATIC DOSERS

FILLING RANGE (ML) *

STANDARD

STANDARD

ALTERNATIVE

ALTERNATIVE

ALTERNATIVE

0 - 500

MAX MECHANICAL SPEED (BPH)

2.400

MAX BOTTLE DIAM. (MM)

90

CAN WORK IN STERILE ROOM

NO

L.A.F. EQUIPPED

NOT AVAILABLE

CIP/SIP EQUIPPED

NOT AVAILABLE

ELECTRONIC FILLING ADJUSTMENT

ACCORDING TO THE FILLING SYSTEM

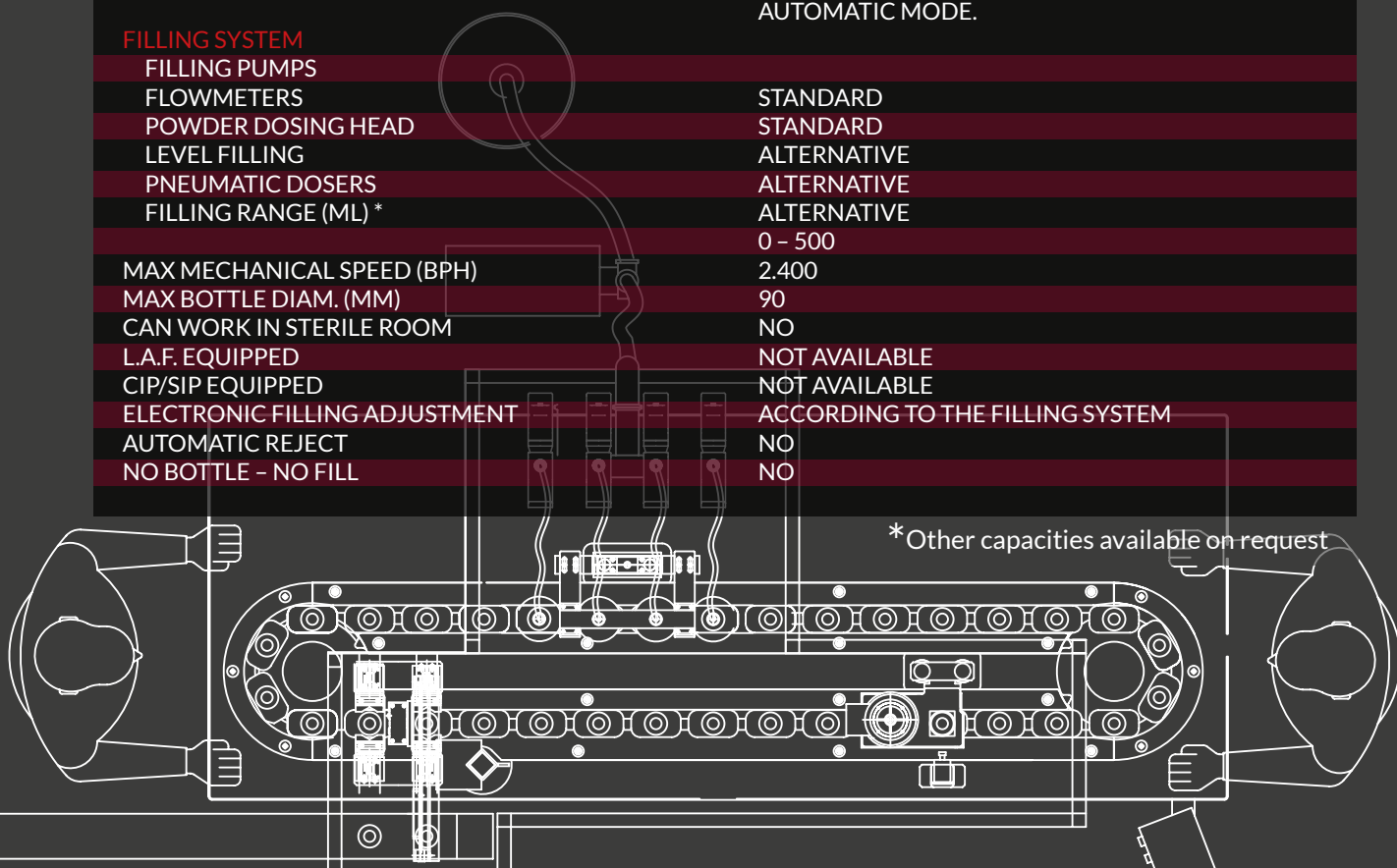
AUTOMATIC REJECT

NO

NO BOTTLE - NO FILL

NO

*Other capacities available on request





The machines of the RT series have been created as an answer to manufacturers that need a highly flexible machine and to process unstable bottles or bottles with shapes that are difficult to process on a conveyor belt.

The RTM model has a filling system using mass flowmeters and an electronic control system for moving needles that gives customers the total control over the management of the volumes to be filled, their speed and power.

The RTS model has been created to process products to be dosed by means of systems such as pneumatic pistons, heated hoppers or dosages of special products, filling processes at level, vacuum sealing, etc.

The conveying system features pucks on a belt, rather than on conveyor, so that bottles are better stabilised during the filling and closing stages.

The time required to change format is extremely short and the operations, in most of the cases, can be carried out by non-specialised personnel too.





LAB TESTING

RTS10

CATEGORY & CAPACITY
COSMETIC
◇ CORE



DATA

TUBE INDEX FEEDING SYSTEM	ALTERNATING, PUCKS ATTACHED TO A BELT FULLY AUTOMATIC
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FILLING SYSTEM

FILLING PUMPS	STANDARD
SPRAY NOZZLES TO DOSE FROM 25 µl	OPTIONAL

MAX MECHANICAL SPEED (BPH)	12.000 TUBES
ELECTRONIC FILLING ADJUSTMENT	YES
AUTOMATIC REJECT	YES
NO BOTTLE - NO FILL	OPTIONAL

HOT AIR DRYING STATION	OPTIONAL
GRANULE STATION	OPTIONAL
GEL DOSING STATION	OPTIONAL
VACUUM CLOSING STATION	OPTIONAL

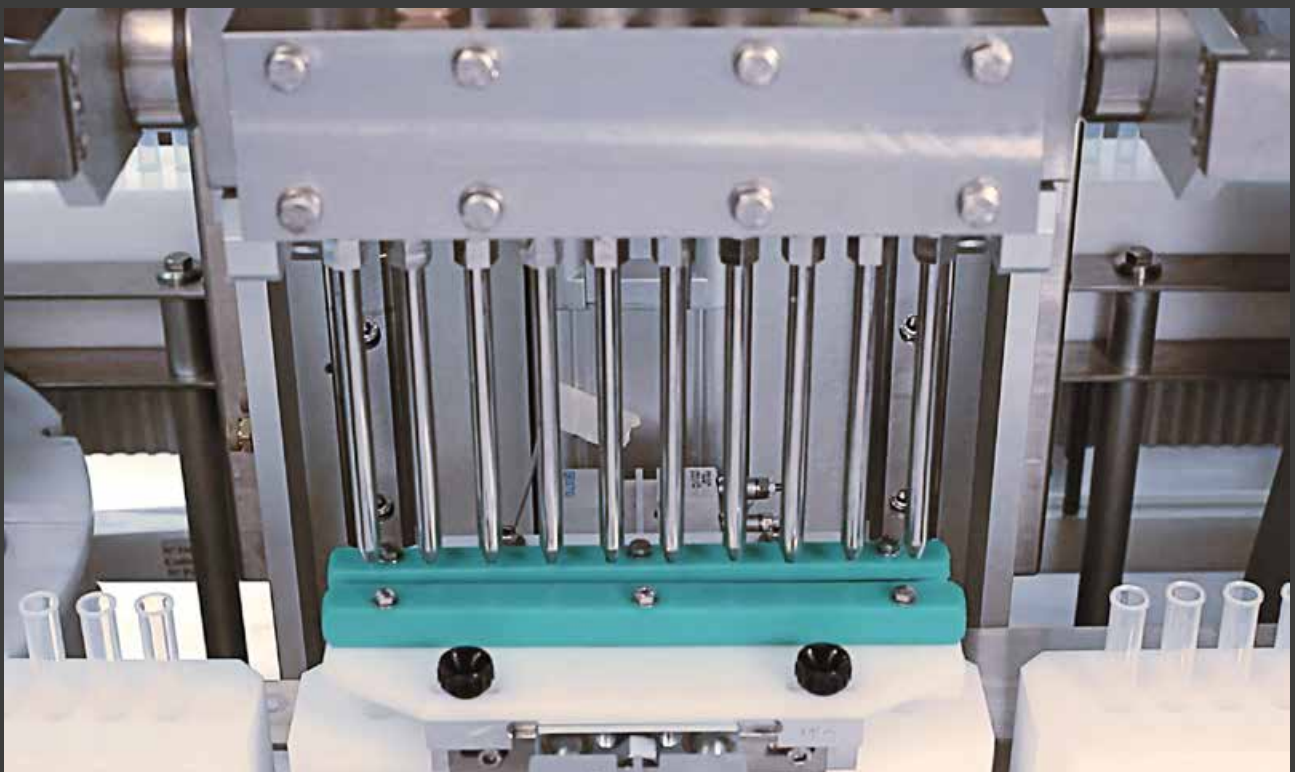
BLACK BOX CAMERA CONTROLS	OPTIONAL
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The RTS10 model is a machine only for processing test tubes for diagnosis.

The machine can perform different operations inside the test tube (depending on the use required by the customer), such as, for instance, dosing small quantities (up to 20 µl) of products such as anticoagulants, gels, reagents and any other material needed.

The machine output is up to 10 test tubes per cycle and it can cause up to 90% of vacuum inside the test tube. Test tubes are automatically ejected from the machine; optional: a blister can be included.





LESS MARKETING
MORE QUALITY

DATA

	FD120		RFC8	RL SERIES		RS1	RS2	
	SINGLE INDEX	DOUBLE INDEX		SINGLE AUGER	DOUBLE AUGER			
BOTTLE INDEX	ALTERNATING, ON STARWHEEL	ALTERNATING, ON STARWHEEL	CONTINUOUS MOTION, ON STARWHEELS	AUGER FILLING	AUGER FILLING	ALTERNATING, ON WALKING BEAM	ALTERNATING, IN LINE FILLING; CAPPING ON STARWHEEL	
FEEDING SYSTEM	FULLY AUTOMATIC	FULLY AUTOMATIC	FULLY AUTOMATIC	FULLY AUTOMATIC	FULLY AUTOMATIC	FULLY AUTOMATIC	FULLY AUTOMATIC	
FILLING SYSTEMS								
FILLING PUMPS	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	ALTERNATIVE	ALTERNATIVE	
PERISTALTIC PUMPS	ALTERNATIVE	ALTERNATIVE	ALTERNATIVE	ALTERNATIVE	ALTERNATIVE	STANDARD	STANDARD	
FLOWMETERS			ALTERNATIVE	STANDARD	STANDARD		ALTERNATIVE	
TIME/ PRESSURE						ALTERNATIVE	ALTERNATIVE	
POWDER DOSING HEAD	ALTERNATIVE	ALTERNATIVE				ALTERNATIVE		
LEVEL FILLING			ALTERNATIVE	ALTERNATIVE	ALTERNATIVE			
WEIGHT FILLING				ALTERNATIVE	ALTERNATIVE			
PNEUMATIC DOSERS								
FILLING RANGE (ML) *	0 – 500	0 – 200	0 – 250	30 – 500	30 – 500	0 – 35	0 – 100	
MAX MECHANICAL SPEED (BPH)	4.000	6.000	15.000	6.000	12.000	1.500	4.000	
MAX BOTTLE DIAM. (MM)	80	40	80	100	100	35	45	
CAN WORK IN STERILE ROOM	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	YES	YES	
L.A.F. EQUIPPED	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	
CIP/SIP EQUIPPED	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	
ELECTRONIC FILLING ADJUSTMENT	YES	YES	YES	YES	YES	YES	YES	
AUTOMATIC REJECT	YES	YES	YES	N/A	N/A	YES	YES	
NO BOTTLE – NO FILL	OPTIONAL	OPTIONAL	YES	OPTIONAL (ON SOME MODEL)	YES (ON SOME MODEL)	YES	YES	

*Other capacities available on request



FCP	FL101-S	RMC	RT SERIES	RFC8C
CONTINUOUS MOTION, ON STARWHEELS	CONTINUOUS MOTION, BOTTLES HANDLED BY THE NECK	IN LINE FILLING, CAPPING ON STARWHEEL, BOTH DIRECTLY ON CONVEYOR OR ON PUCKS	ALTERNATING, PUCKS ATTACHED TO A BELT	CONTINUOUS MOTION, ON STARWHEELS
FULLY AUTOMATIC	FULLY AUTOMATIC	SEMI-AUTOMATIC BY DEFAULT. CAN WORK IN FULLY AUTOMATIC MODE	SEMI-AUTOMATIC BY DEFAULT. CAN WORK IN FULLY AUTOMATIC MODE	FULLY AUTOMATIC
STANDARD		ALTERNATIVE	STANDARD	
	STANDARD	STANDARD	STANDARD	
			ALTERNATIVE	
		ALTERNATIVE	ALTERNATIVE	
0 – 10	50 – 1.000	0 – 1.000	0 – 500	
15.000	5.000	3.000	2.400	15.000
10	N/A	90	90	80
YES	OPTIONAL	NO	NO	ACCORDING TO LINE DESIGN
STANDARD	OPTIONAL	NO	NO	ACCORDING TO LINE DESIGN
STANDARD	OPTIONAL	NO	NO	NOT AVAILABLE
YES	YES	ACCORDING TO THE FILLING SYSTEM	ACCORDING TO THE FILLING SYSTEM	NOT AVAILABLE
YES	YES	OPTIONAL	NO	YES
YES	YES	NO	NO	NOT AVAILABLE

Electric Engineering and Automation

The electrical engineering and automation department supervises each step in the process to develop every single machine from the design of the control switchboard up to the creation of dedicated management software for the machine to the customer's specifications.

FOR EACH OF THEIR MACHINES COMAS IS DIRECTLY IN CHARGE OF:

- Designing hardware and making control switchboards
- Building of the system on board the machine
- Designing PLC and HMI Software to manage all the machine functions
- Compiling and writing the technical documents and manuals
- After-sales technical support service
- Remote support service

Comas machines are equipped with the major PLC brands (Omron, Siemens, Rockwell, Mitsubishi, Schneider Electric, etc.) and HMI brands (Siemens, Rockwell, Mitsubishi, Proface, Hakko, Schneider Electric, etc.).

THIS SOLUTION OFFERS THE CHANCE TO MANAGE THE FOLLOWING FUNCTIONS:

- Working cycles
- Machine parameters management
- Alarm management
- Recipes

Comas can also design and develop software programs either to meet the specific regulatory requirements of the pharmaceutical and cosmetic industries or create them based on what customers need. To do this, the most important SCADA platforms are used, for instance, FactoryTalk Suites, Tia Portal, WinCC, Movicon, etc.

WITH THESE DEVELOPMENT ENVIRONMENTS, SEVERAL OTHER FUNCTIONS CAN BE INTEGRATED INTO THE SYSTEM, SUCH AS:

- Batch management
- Management of software logins and/or with dedicated hardware (biometric, badge)
- Filing of production data
- CFR21 part 11 and Annex 11 about software compliance
- Remote machine management via the

CONTACTS

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