

# LINEAR FILLER

Filling Closing Division



FMT has been operating for years in the manufacturing and engineering field of high quality products for the Food Industry.

FMT developed an automatic linear piston filler, specifically designed for cream cheese, sauces and jams and dressings with pieces.



**RELIABILITY, STRENGTH, ACCURATE MANUFACTURING QUALITY  
AND HIGH STANDARDS OF FILLING ACCURACY  
ARE THE MAIN CHARACTERISTICS OF OUR MACHINES**



**CONFIGURABLE GLOBAL SOLUTIONS, SUITABLE TO COMPLY WITH THE CUSTOMERS REQUESTS, ESPECIALLY IN TERMS OF TECHNICAL AND LOGISTIC NEEDS.**

**OUTPUT: up to 5.000 cph**

### MAIN FEATURES

- Flexible and versatile filling
- System thanks to the Brushless technology, that can be customized and optimized from touch-screen
- Filling of a wide range of products: thick or pasty, homogeneous or with chunks up to 30x30 mm
- Fully stainless steel construction
- Operator panel with touch screen
- “No can-no fill” electronic device
- Machine easy washing
- Quick disassembling of parts without tools
- Quick and easy format changeover
- Clean design

## AUTOMATIC ADJUSTMENT OF VOLUME

The machine can be provided of automatic device that permits the definition of the volume to be dosed.

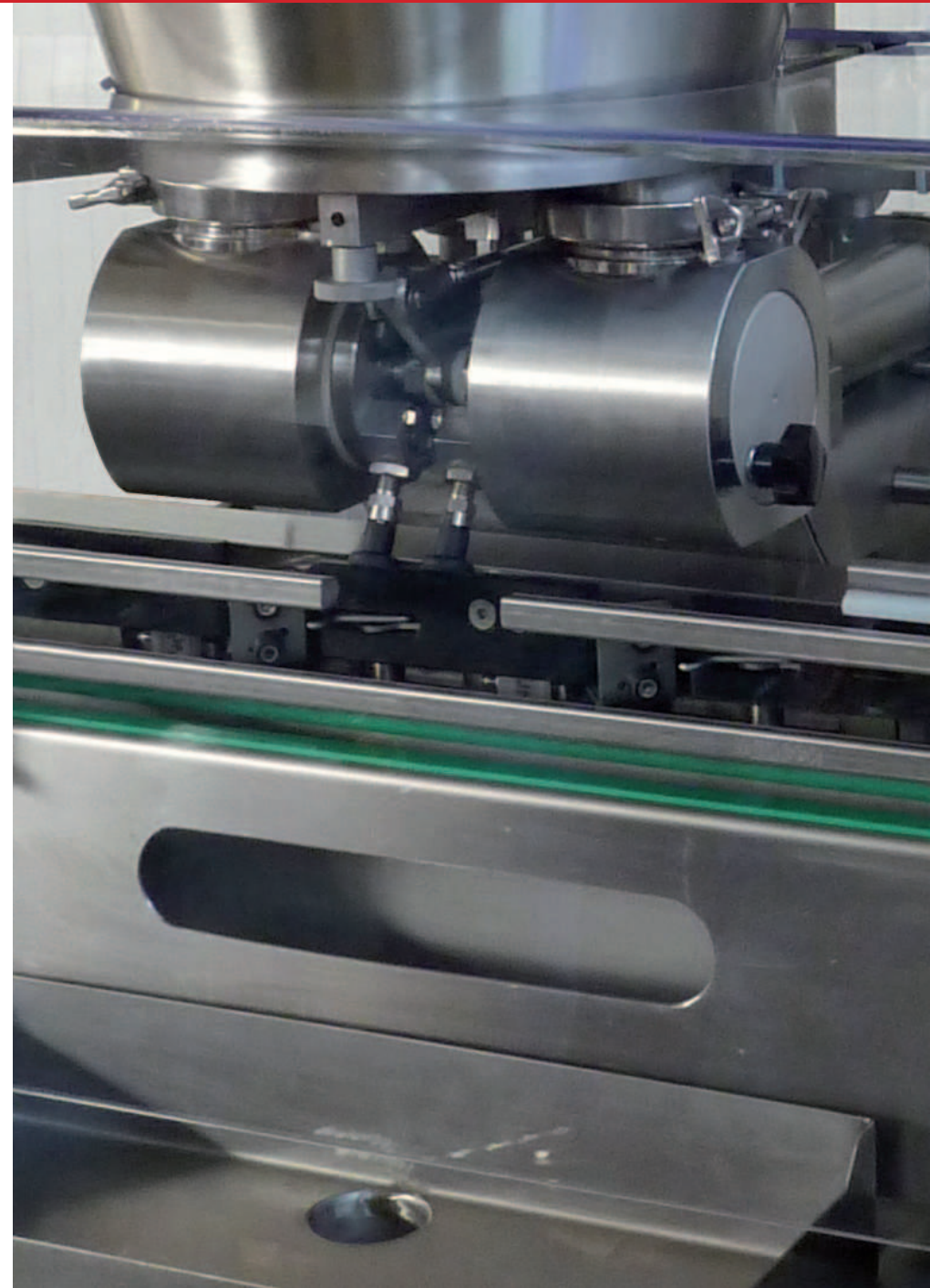
This operation is possible through the operator control panel.

## VOLUME MODIFICATION ON THE BASIS OF THE TEMPERATURE AND OF THE SPEED

Thanks to the automatic device for the dosing volume definition it is possible to implement

two software functions from the PLC:

- filling volume correction, on the basis of the product density variation caused by the temperature changes;
- filling volume correction, according to the variability due to the physical and fluid mechanic conditions connected to the rotation speed of the machine.



## ADJUSTABLE INLET WORM SCREW (OPTION)

Containers are stopped near the filling nozzles by means of 2 pneumatic cylinders , electronically controlled.

As an option, this machine can also be equipped with a worm screw to space the containers at the inlet.

In case of special bottles a second worm screw can be supplied. These special tools can be adjusted according to the containers dimensions.

## QUICK FORMAT CHANGE

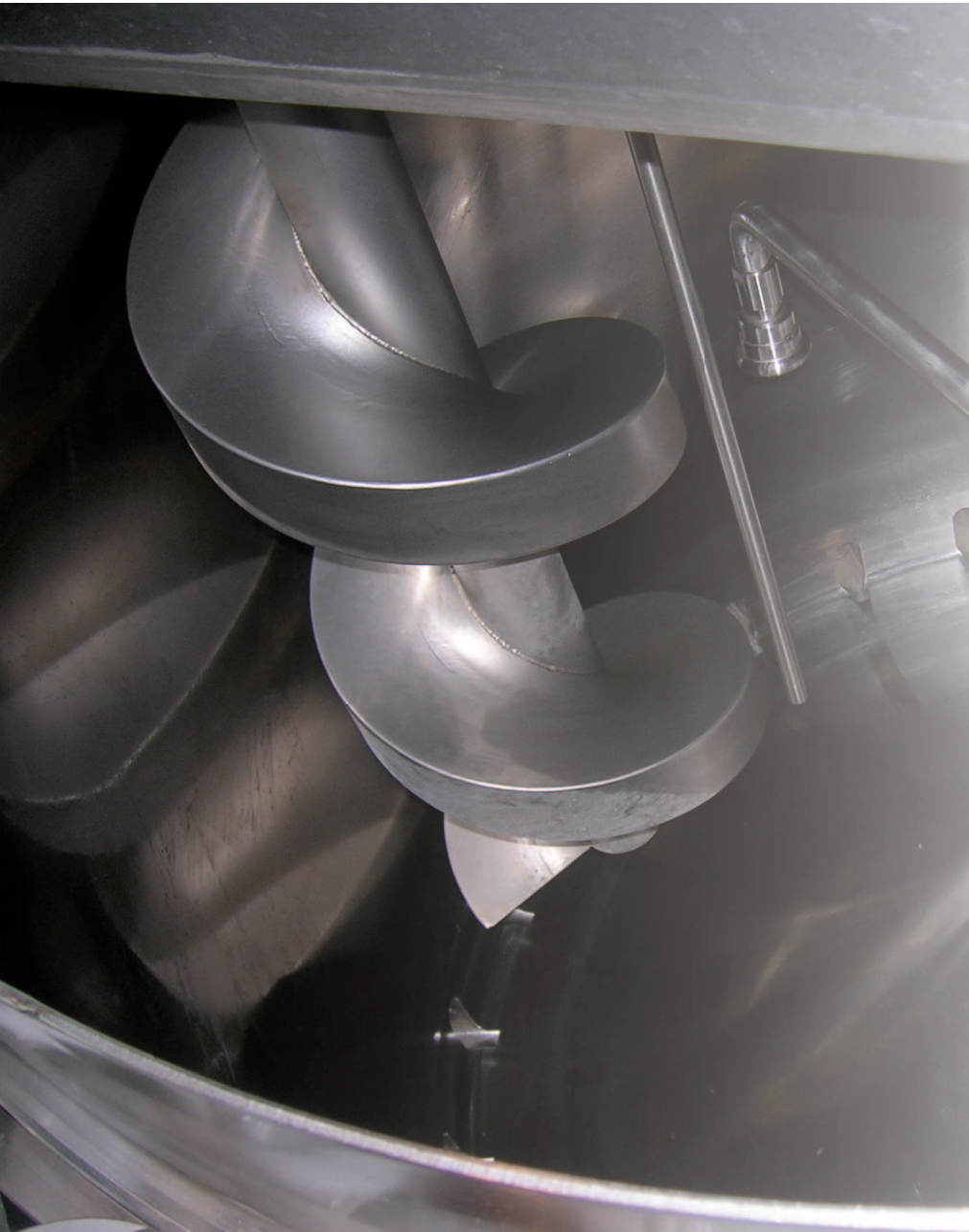
Our machines are equipped with special tools designed to simplify and shorten the format change operations. Format changes operation can be carried out in **5 minutes** only.



## FILLING TECHNOLOGY

The machine is supplied with **filling nozzles** whose dimensions grant the best filling conditions.

In case of thick products englobing air bubbles during the filling phase, the machine will be equipped with special nozzles designed for **bottom-up filling**.



When filling liquid products containing solid parts the machine can be implemented with a **stirrer** to prevent solid parts floating or sinking effects.

A scraping paddle is assembled in the product hopper in case of filling pasty products.

To keep the temperature of hot filled products, the machine can be supplied with **insulated hopper** as well as with a **heating system**, if required.

All parts in contact with the product are made in stainless steel Aisi 316, as FMT manufacturing standards.

In case of sensitive products it is possible to insulate the filling chamber with a protection covering system.

On request, we can install a plenum for the introduction of micro filtered air. The overpressure created inside the chamber preserves the purity of the air inside and prevents polluted elements to enter inside.

## WASHING OF THE INTERNAL AND EXTERNAL PARTS OF THE MACHINE

Through the product feeding line it is possible to convey all the necessary agents for the rinsing and the cleaning of the machine (CIP).

The product hopper can be disassembled to be washed separately.

The Filler can be washed by a manual washing jet.



## High-tech Machines for Food and Beverage Industry

FMT company developed global solutions meant to automate the packaging process and systems. FMT is the best technological partner capable to engineer, realize and adapt its own products to the different requirements of the food and of the beverage markets.



*I t a l i a n   T e c h n o l o g y*



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