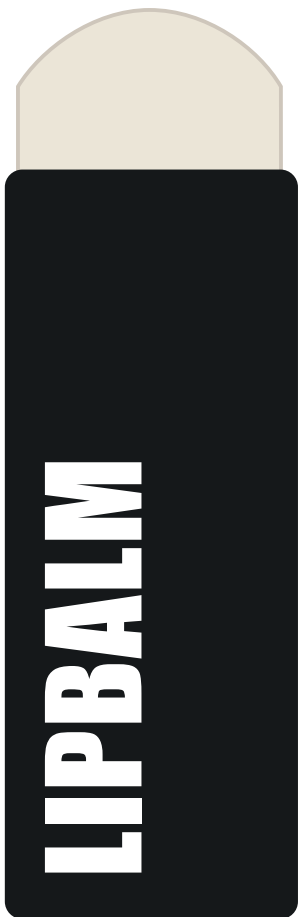




## BACK FILLING Series



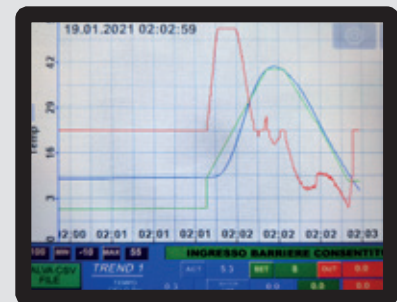
## BACK FILLING Series *MCBF*

The Back Filling Series is composed of automatic machines for the transformation and production of lipgloss, stylo, lipbalm and panstick based on casting for back filling directly into the packaging.



### ADVANTAGES OF THE SYSTEM

- Eliminates the use of hot/cold tables for molds
- No use of heat transfer fluids (air and/or water)
- Optimization of cycle times allowing to reduce the number of molds with the same productivity
- Reduced energy consumption thanks to transformation technology
- It does not require defrosting and condensate disposal
- Facilitates the use of biodegradable and/or compostable packaging by means of sophisticated electronic temperature control



### MODELS e APPLICATIONS

#### MCBF\_01

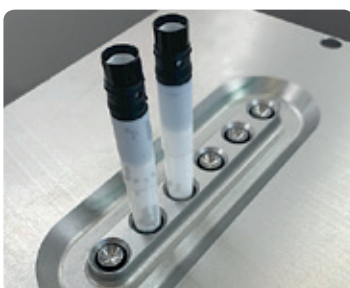
Equipped with 2 molds, it has a productivity of 500 pcs/h.

#### MCBF\_02

Equipped with 6 molds, it has a productivity from 1.250 to 1.500 pcs/h.

### FEATURES

- Touch screen control panel with automatic control of the all process
- Settable temperatures, speeds, heating and cooling curves
- Variable setup of temperature and heating /cooling speed at each cycle, without downtime, particularly useful in laboratory and bulk industrialization tests
- Modularity in format change with anti-leakage system
- High flexibility with a wide range of sizes and shapes of both the packaging and the stick
- Customization with laser logos on the tip top
- Machine integrated melting tank or optional external one for fast bulk change or for processing large batches
- Minimum mold temperature down to -8 °C
- Cooling rate up to 1 °C/sec
- Very small dimensions of the machine



## RELATED PRODUCTS

### Small Series Melters – MCFS

Removable melters, combined with MCBF\_01 model machine:

MCFS\_2.5 capacity 2.5 lt

MCFS\_4 capacity 4 lt



### Moulds and Format Change



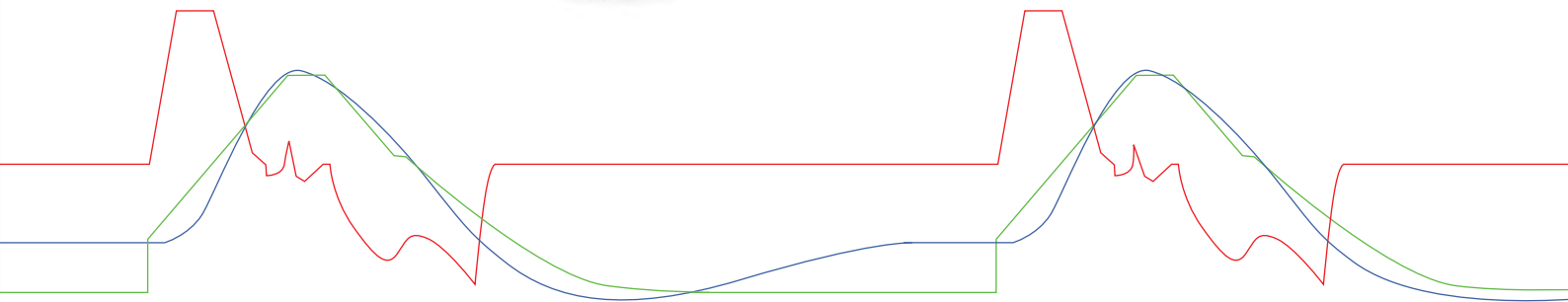
### Medium Series Melters – MCFM

Stand alone melting tanks:

MCFM\_20 capacity 20 lt

MCFM\_35 capacity 35 lt

MCFM\_50 capacity 50 lt



## DESIGN BULKology SETUP



## RESEARCH & INNOVATION

Through its network of collaborations with high-level strategic partners in the various sectors of the cosmetic world, Rigam Engineering can offer a full service, smart and integrated, based on the excellence of MADE IN ITALY.

Our deep knowledge of the needs in the sector combined with a specific know-how of products and processes allows us to support customers at every stage of collaboration: from consultancy to after-sales service.

- > DESIGN and FEASIBILITY
- > BULKology... from formulation to quality
- > PRODUCT-PACKAGING INTERACTION STUDY
- > TESTS and SETUP OF MACHINES AND EQUIPMENT



# For cosmetics industry



## From Design to Implementation

**Rigam Engineering** designs and manufactures machines and systems for the cosmetic, pharmaceutical and food industries.

**Rigam Engineering machines**, melting tanks and molds find application for **all poured products from bulk, from fusion to latest generation packaging**.


The technological heart of Rigam Engineering is in its exclusive patents for the development of 4.0 solutions oriented to the digitalization of processes and improvement of production performance.

Each Rigam Engineering project is born from a highly evolved **digital development**, with the support of **tools and programs that allow the customer to follow in the detail** the customization of the smallest component.

## Service

After Sales Service is a fundamental service that tests the seriousness of a manufacturer and that requires commitment and competence.

**Rigam Engineering offers a preventive and corrective maintenance service, technical assistance** which includes both the systematic control of machines at customers factories and the remote support carried out by constantly trained technical personnel.



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