









PENCILSeries MCMP

The Pencil Series consists of **automatic machines for the transformation and production of cosmetic leads and automatic lip and eye pencils**.

It is characterized by a **patented system** for heating and cooling the mold without the use of air and water. The undisputed **advantages of the system** include a **significant reduction in cycle times** and an **increase in productivity of up to + 50%** - compared to traditional systems - with the same cavity / mold and type of bulk.



ADVANTAGES OF THE SYSTEM

- It does not require defrosting and condensate disposal
- Reduced energy consumption thanks to transformation technology
- 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



MODELS e APPLICATIONS

MCMP_01

for laboratory samples and small production batches **MCMP_02** for productivity from 1.000 to 1.500 pcs/h. **MCMP_03** for productivity over 2.000 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
- Extremely easy to change size and to clean the machine
- High flexibility with a wide range of lead sizes and shapes
- Machine integrated melting tank or optional external one for fast bulk changing or for processing large batches
- Productivity up to + 50% compared to traditional systems with the same cavity/mold and type of bulk
- 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 MCMP_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





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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