

mG2
SNC

MACCHINE AUTOMATICHE

BOLOGNA (ITALY)

Constant-motion capsule filling machines

Mod. G 36, G 36/2 and G 36/4

for the automatic filling of powders, pellets, tablets and combinations in hard-shell two-piece gelatine capsules

High speed
up to **36,000** u. p. h.

Rapid change over
High filling accuracy

Simultaneous
adjustment
of filling heads

Simple construction
Extreme versatility



Sales Organisation:

MAIN FEATURES:

- The **new continuous motion hard-shell gelatine capsule filling machines** model « G » have been designed purposely to meet the **requirements expected in a capsule packaging department** such as safe operation, rapid change over, quick and precise adjustments of the filling heads, high output and simple maintenance.
- The above requirements are fully met by this continuous motion machine, manufactured with the most up-to-date technical ingenuities and modern engineering concepts, which offer **better guarantees of durability** and enables to reach easily speeds which are impossible for conventional intermittent-motion mechanisms subject as they are to high pressures and stress due to the reciprocation of movements.
- All parts coming into contact with the product to be handled are built in **stainless materials**. The machine table is coated in stainless steel. All moving components run on **ball- or needle-races** or on **self-lubricating materials**. **Lubrication** is automatic and **central**. The electrical installation conforms to both national and international standards on accident prevention.
- The machine is available in three different models **for speeds of up to 36,000, 18,000 and 9,000 u.p.h.** respectively. A variable speed contro (1 : 2,5 ratio) enables to set speed to actual production requirements.
- Each model in the range can handle indifferently the conventional type of capsules or the **snap-fit** or **lock-cap** types.
- The G 36/2 and G 36/4 models can be converted later, if required, to the higher speed model.

OPERATION:

FEEDING, OPENING AND SEPARATION

The empty capsules are random fed into a large hopper, oriented to come all down bottom-first by a **multiple-channel rotary head**, inserted in holders, opened and then transferred under the multiple-head filling station.

FILLING

The product is collected from a hopper (where it is constantly kept at the same level) by the set of volumetric filling-heads. It is then properly compressed into a soft slug and then filled into the bottom part of the capsule. **Thanks to the special design of the filling unit both the compression and the weight of the fill can be adjusted both with machine stopped and in operation and simultaneously for all filling heads**, eliminating thus all waste of time.

CLOSING AND EJECTION

After filling the capsule is closed with the **same cap** from which it was previously separated **maintaining the original alignment** between body and cap. The actual closing is obtained by a set of gradually raising fingers which lift the bottom inside the cap kept in position by an overhead stop. The capsule is held in this position for a given amount of time to enable all trapped air to escape, ensuring thus a stable closure. The overhead stop is then switched aside so that the capsule is pushed out completely from its holder while an air blast ejects it from the machine down a discharge chute. The air blast, playing on the difference of weight, sorts out at this stage also all possible **empty capsules**. The capsule holders are then thoroughly cleaned by a suction head and air-blast before starting their new cycle.

OPTIONAL EXTRAS:

- **Pellet attachment.** This unit can be used in conjunction with the powder filling unit.
- **Tablet attachment** to fill one or more tablets into each capsule. Also this unit can be used in conjunction with either the pellet or the tablet attachment. The pellet and tablet attachments are interchangeable.
- Special-application attachments on request.

TECHNICAL DATA:

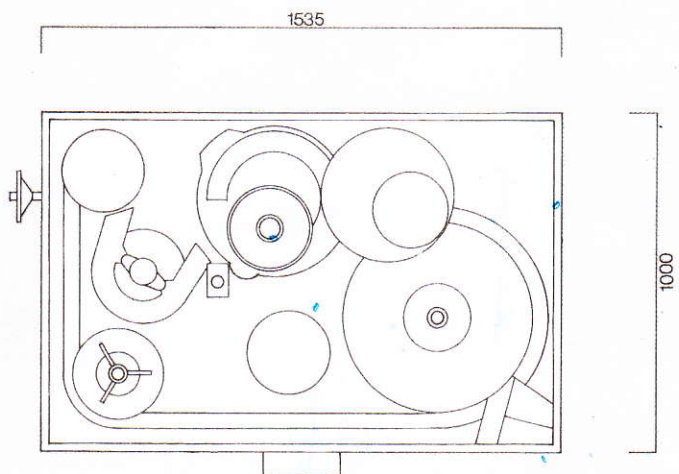
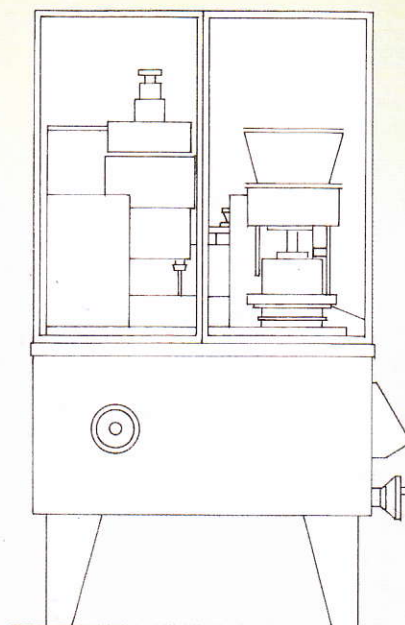
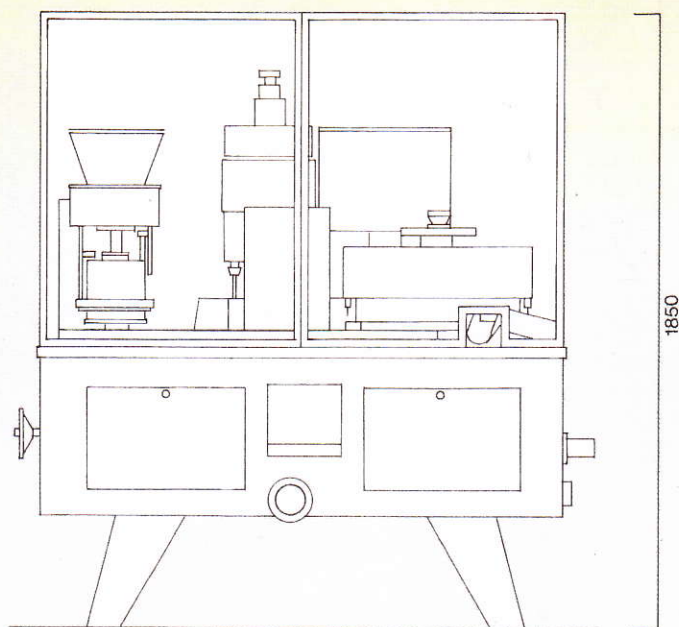
Model		G 36	G 36/2	G 36/4
Absorption	kW	3,5	3	2,5
Output per hour		32/36,000	15/18,000	7/9,000
Weight (approx.)	Kos.	1080	1040	1000
Overall dims.	m/m	1080 x 1665 x 1470	for all models	
Personnel		1	1	1

(the above data are not binding upon)

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MG-36



Technical data:

Mechanic conception: rotary continuous motion

Output:

G36: 36.000 capsules/hour

G36/2: 19.000 capsules/hour

G36/4: 9.000 capsules/hour

Size range: from 000 to 5 (hard shell gelatine capsules of any kind and supplier)

Installed electric power: 4kW

Machine dimensions:

1535 x 1000 x 1850 mm.

Net weight: 1300 kg

Optional:

Capsule presence electronic device

G36 machine can be connected to the following ancillary machines manufactured by MG2:

SC

filled capsule selecting machine

PO

filled capsule polishing machine

SV

Empty capsules pre-sorter

LV

Empty capsules loader (it can be used together with the SV to connect it automatically to the capsule filler)

NT/1

Device to automatically take sample capsules out from capsule filler for weight check

NT/2

device to automatically take sample capsules out from capsule filler for weight check

MG2 reserve the right of carrying out any modifications they feel necessary to improve the machine.

MG2

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