

Automatic Nozzle Placing Machine with Semi-Automatic Packing Device - Mod. MBECCS

Automatic nozzle placing machine for nozzles with or without clip, or for both types of nozzles, also equipped with semi-automatic multi-size packing device.



Machine with a **fully automatic system for handling the nozzles**, it can be equipped to work with nozzles **with clip, without clip**, or **with two stations** to be able to work with **both types** of nozzles.

This machine is equipped with a **semi-automatic packing device** for boxing the cartridges with the nozzles inside pre-formed cartons (opened manually by the operator).

- **Ramp/slide for the automatic input** of the cartridges, to be placed in line at the exit of the automatic filling machine.
- **Automatic cartridge loader** from the entrance ramp to the double chain for the step-by-step movement of the cartridges.
- **Station for the insertion of the nozzle with clip** on the cartridge, or **station** for the **positioning** of the nozzles without clip on the cartridges (or **double station for nozzles with clips and without clip** in case both solutions are desired).
- **Automatic feed of the nozzles**, with or without clip, from the hopper to the ground with a capacity of about 2000 nozzles.
- **Automatic loader of the nozzles** from the hopper to the roller selection and **orientation system patented by Nannini Renato** (very quiet operation), or to a **circular vibrating orienting feeder** (optional).
- **Unit for the accumulation** of cartridge rows with nozzles to be packed, in accordance to the type of carton used at that time (the **machine is multi-format** and makes it possible, with simple adjustments, to work with boxes in **sizes of 6, 8, 12, 15, 16, 20, 24, 25, 30**).

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- **Pusher for the horizontal placement of the cartridge row** with nozzles inside the box.
- **Horizontal motorized conveyor belt** for feeding the pre-formed empty boxes (i.e. already opened manually by the operator) to the insertion station, with an autonomy ranging from 12 to 6 boxes, depending on the selected format.
- **System for flipping the full box** from horizontal to vertical.
- **Roller for the ejection of the box towards the possible automatic taping machine** to seal the box with tape on top.
- **Production speed: standard version up to 50 nozzles/cartridges per minute** depending on the carton format used, and up to **80 nozzles/cartridges per minute** in the version with **double nozzle feeding stations**.
- It can be equipped on request with a **cartridge rolling system** to rotate each cartridge during the **ink-jet marking** of the batch number and/or expiry date.

