

INNOVATIVE SOLUTIONS
FOR THE GLASS INDUSTRY

AUTOMATIC AMPOULES AFTER FORMING LINE LA-502



Automatic processing line for ampoules to be connected with forming machines **MM-30** or **FA-36S** produced in the factory of MODERNE MECANIQUE with perfectly rigid support structure thanks to a number of cast aluminium frames linked by steel beams and supporting the complete drive mechanism. In the standard version the LA-502 ampoules processing line is equipped with **calibration gauges, cutting, edgemelting, colour break, printing with pre-drying stations, annealing lehr** with U-shaped or straight exit and **manual packing station**.

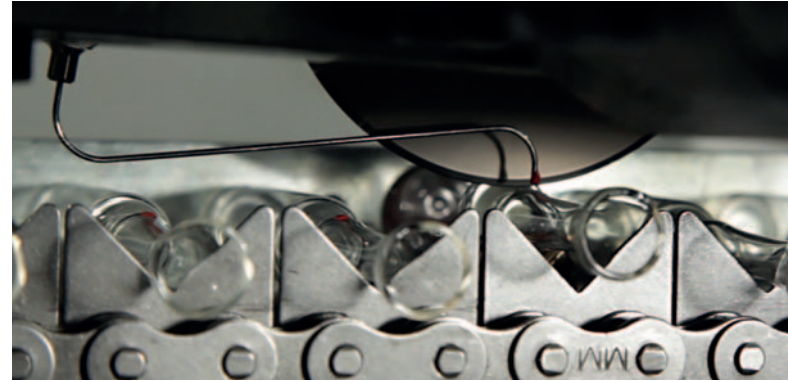
On customer's request it can be upgraded with the following optional equipments:

Cooling fan on conveyor

This device can be used to cool down the ampoules at the beginning of the line when they are still hot after forming process. This cooling can reduce the risk of strains on glass surface due to the contact between hot ampoules and steel chain or to the contacts with feelers in dimensional control station.

Additional colour rings

The line can apply up to 4 rings on the ampoule (3 for identification and 1 for breakage if Opticut is missing).

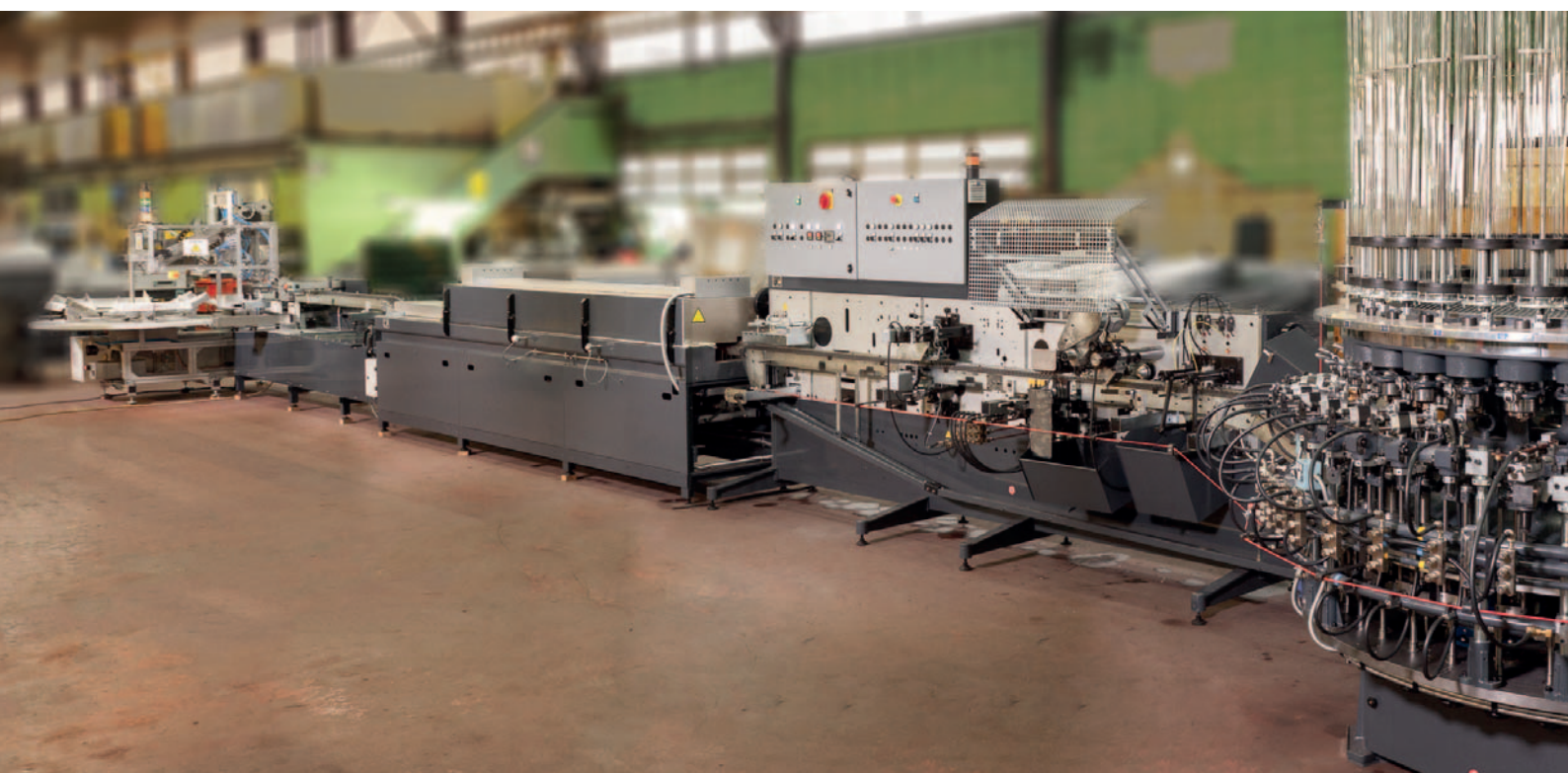


Opticut/2

Opticut system allows to get a very accurate point of fracture marked by a spot (alternative to colour break mechanism). The station includes a carbide cutting disk, spot printing syringe, electrical functions control panel.

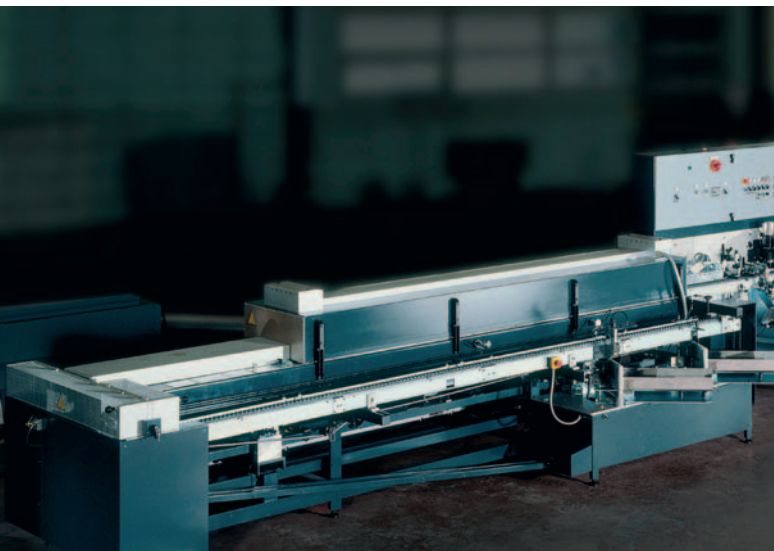
Ampoules closing device

This station is equipped with two pre-heater burners. The closing device itself includes cutter flame and rotating tongs to remove the waste glass. Before closing device the line can be equipped with an air refrigerator to blow frozen air on the ampoule surface.



Electric annealing lehr

The lehr is in the form of a tunnel equipped with radiant heating elements located on the top structure. Temperature is monitored by thermocouples and is kept constant and uniform. The standard lehr cover can be automatically opened through electrical lifting system activated by dedicated key.



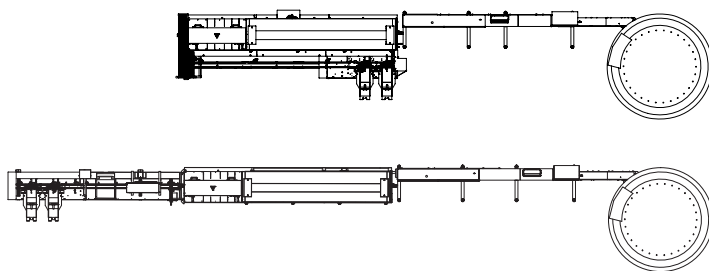
OCMI recently developed the **gas powered hood** to be installed in standard annealing lehr by MODERNE MECANIQUE.

New ampoule annealing lehrs are available now in the electric or gas powered versions.

Oven exit and packing

The oven exit is available in U-shape or Straight version according to factory lay-out.

The straight version is recommended if packing operations must be executed in a cleaning room. U-shaped version can be converted in straight configuration in a second time if requested.



AVERAGE PRODUCTION CAPACITY - STANDARD DIN

Vial Type	Glass Tube O.D.	Production (pcs/h)
1 ml	10,75 mm	5,000
2 ml	10,75 mm	5,000
3 ml	12,75 mm	5,000
5 ml	14,75 mm	4,600
10 ml	17,75 mm	4,300

AVERAGE CONSUMPTIONS

Electrical oven heating	19,5 kW
Gas powered oven heating	4m ³ /h
Auxiliaries	6,5 kW
Total power installed (std. version)	26 KW
Standard supply	Triphase 380V
Compressed air (without option)	10 Nm/h
Installed power	20 Nm/h

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