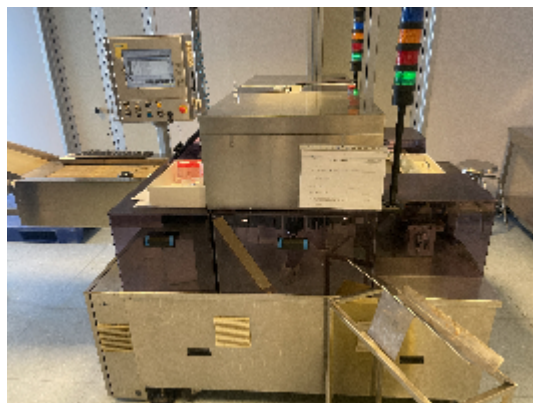
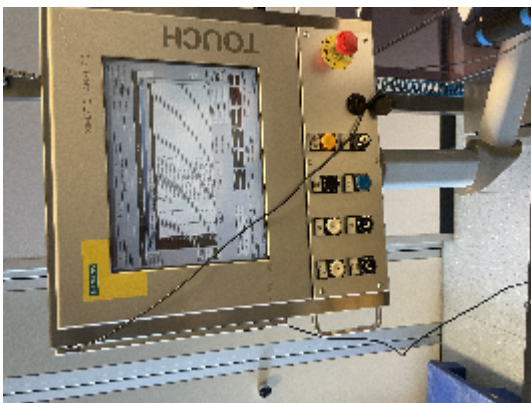
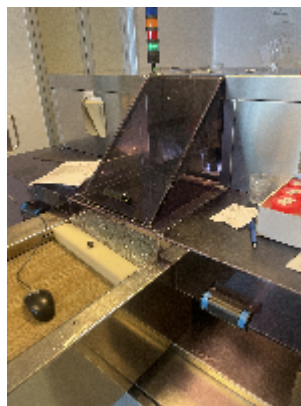
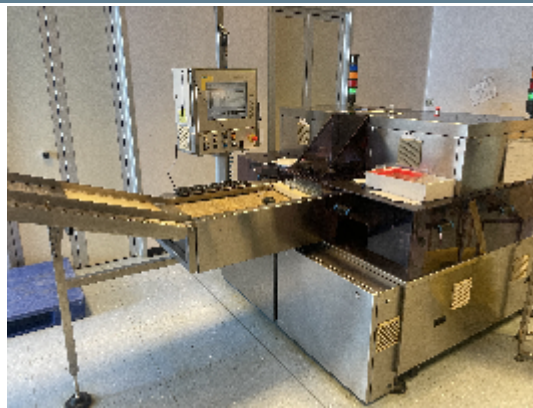
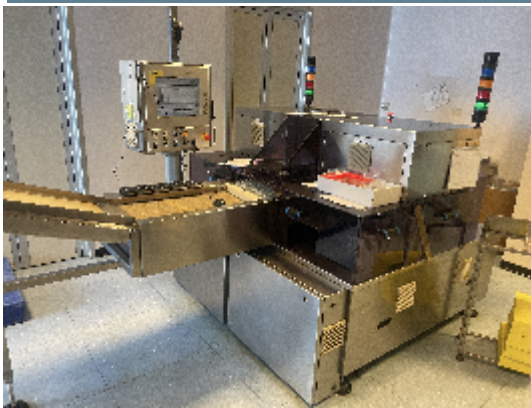
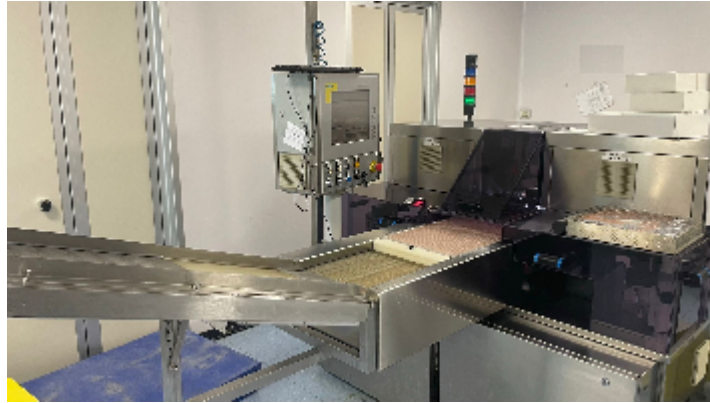
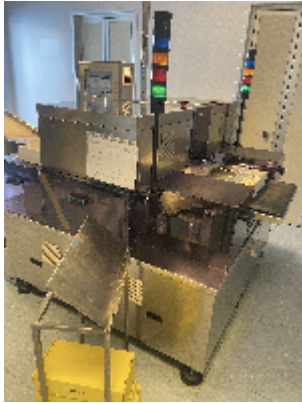




Inspection Machines for Ampoules and Vials Brevetti Cea ATM 18/18

Images





Product details

Category:	Inspection Machines for Ampoules and Vials
Machine:	ATM 18/18
Machine code:	23-1101
Manufacturer:	Brevetti Cea
Year of construction:	n/a

Description



General description:

The CEA ATM 18/18 was conceived to be introduced in the modern Pharmaceutical production line.

It is placed after the filling and sterilization line, before the labeling and packaging line.

The ampoules and/or vials are loaded manually on the loading plane of the ATM machine 18 by trays. The output of the rejected and approved ampoules and/or vials are respectively collected in separate trays.

The base configuration of ATM 18/18 is built by:

Mechanical module: dedicated to the transport of ampoules and/or vials throughout the control route.

The electrical panel of each complete module of the power circuits, control circuit, motors, etc. is integrated in the mechanical module.

List of controls that can be executed by the machine:

- a) Particle controls using various types of lighting (two stations)
- b) Filling level and vial height (one station)

Formats 1-2-5 ml

Process description:

The process control is fully automatic. The ampoules and vials are subjected to a series of inspections carried out by cameras.

The ATM18 is intended for the automatic control (detection of impurities), by means of lighting, of liquid pharmaceutical products in glass containers (ampoules and vials).

The operator manually loads the ampoules or vials onto a conveyor belt; these are collected one by one and transported to the two rotation stations to move the liquid and possible impurities. Subsequently, the ampulla is blocked and a camera records a series of images at a distance of 20 ms from each other. By means of a controller, the first registered image is controlled with those that follow. If the images are different, the ampoule is rejected. The same procedure is repeated in two other stations similar to the one described. In the third station the level of the liquid is also controlled. Once the control is over, depending on the result, the ampoules are placed in two different trays and the driver extracts them manually.

Technical characteristics:

- Dimension ampoules and bottles: Diameter Ø from 9 to 18 mm total height up to 100 mm
- Mechanical speed: 18,000 vials/hour max. for 1 – 2 ml ampoule
- Rotation speed: continuously adjustable from 500 to 3000 rpm
- Power supply: 230V ± 10% 50/60 Hz 1Ph



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- The Client must guarantee a voltage fluctuation of no more than 10%
- Absorbed power: 5 Kw
- Loading/unloading plane height: 900 mm (adjustable ± 25 mm)
- Dimension: mm 2460 x 1720 x 1740 h
- Weight: 1200kg
- Noise: ? 75 dB (A)