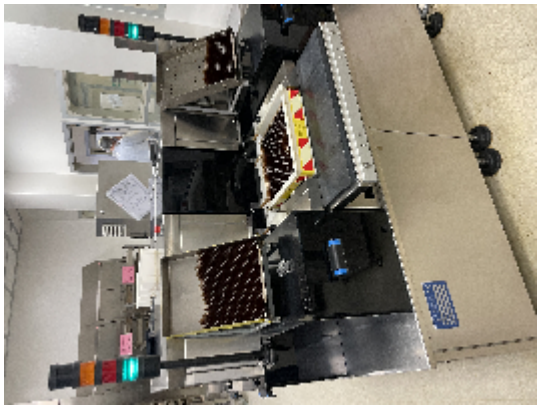
INTIMAC S.R.L.
Via XXV Aprile, 8
21054 Fagnano Olona (VA) - Italia
Tel. +39 0331 1693557
email: inti@intisrl.it

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

Images



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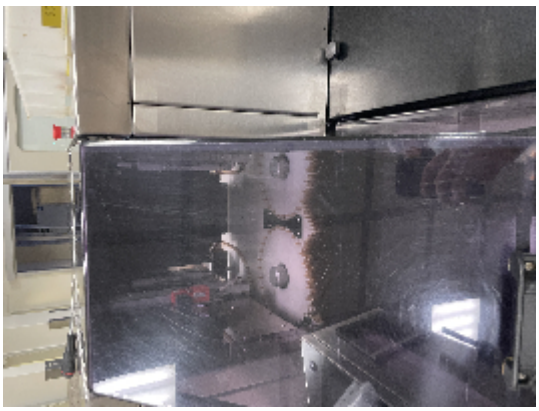

Product details

Category:	Sold
Machine:	ATM 18/18
Machine code:	IT510
Manufacturer:	Brevetti Cea
Year of construction:	2008

Description

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The CEA ATM 18/18 from 2008 was conceived to be introduced in the modern pharmaceutical production line.
It is positioned after the filling and sterilisation line, before the labelling and packaging line.
The ampoules and/or vials are manually loaded on the loading table of the ATM 18 machine by trays. The output of rejected and approved ampoules and/or vials are respectively collected in separate trays.

The basic configuration of the ATM 18/18 is made up of:
Mechanical module: dedicated to the transport of the ampoules and/or vials along the entire control path.
The electrical panel of each module complete with power circuits, control circuits, 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 illumination (Two stations).
b) Filling level and blister height (one station).

Description of the process:
The process control is fully automatic. The ampoules and vials are subjected to a series of camera inspections.
The ATM18 is designed for the automatic inspection (detection of impurities), by means of illumination, of liquid pharmaceutical products in glass containers (ampoules and vials).
The operator manually loads the ampoules or vials on a conveyor belt; they are picked up one by one and transported to the two rotation stations to move the liquid and any impurities. Subsequently, the vial 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 image recorded is checked against the successive images. If the images are different, the vial is rejected. The same procedure is repeated at two other stations similar to the one described above. At the third station, the liquid level is also checked. After the control, depending on the result, the ampoules are placed in two different trays and the operator manually removes them.

Technical characteristics:
Dimensions of vials and ampoules: Diameter Ø from 9 to 18 mm: total height up to 100 mm.
Mechanical speed: 18.000 ampoules/hour max. for 1 - 2 ml ampoule.
Rotation speed: adjustable with continuity from 500 to 3000 rpm
Power supply: 230V ± 10% 50/60 Hz 1Ph - The customer must guarantee a voltage fluctuation of not more than 10%.
Power consumption: 5 Kw
Height of loading/unloading plane: 900 mm (adjustable ± 25 mm)
Dimensions: mm 2460 x 1720 x 1740 h
Weight: 1200 kg
Noise: ? 75 dB (A)