



■ Lining Machine

## N3 A **Double Liner**

by Punching

*Output up to 12,500 caps/h*

### General features

This machine has been specifically designed to assemble two liners of different shape and size inside a closure at once. It can punch round shape and any sort of irregular shape liner and Pull Tab style with tab folded backward too. The machine is equipped with PLC system and AC Converter (inverter) that makes the machines adapt its speed automatically with the caps feeder production. The "Human/Machine interface" is a "touch screen" through which all functions and parameters can be displayed accessed and modified. All movements are mechanic (no slow and uncertain pneumatic devices except for few secondary functions not directly related with the main operator).

Main Features	
Style	Indexing Carousel
Wadding/lining method	Punching out of the Reel
Max reachable speed	12,500 caps/h
Number of caps processed per each cycle	1
Max. cap diameter	120 mm
Caps handling tools	Replaceable
Punching tools	Replaceable
Gluing system	Allowed
Human / Machine Interface	Touch screen
Installed Power	kW. 5,5
Compressed air	900l/m at 6 bar

Working rate	Production
24 hours per day (minus 10 minutes for daily maintenance)	286.000
7 days per week (minus 10 minutes for weekly maintenance)	2.000.000
30/31 days per month (minus 20 minutes for monthly maintenance)	8.867.429
365 days per Year (minus 1 day for annual maintenance)	103.951.467

**Standard controls**

- Parts level into the feeder bowls
- Parts flow to the carousel
- Upside-down part
- Parts presence into the transferring system
- Missing liner
- Black taped joint on the liner tape
- Liner advancement step size
- Electric overload
- Mechanic overload.
- Air pressure

**Options**

- Silo Elevator
- Feeder
- Outlet switcher
- Boxes Conveyor
- Vision system prearrangement
- Vacuum cleaning system
- Silo's tank level sensors
- Hot melt system
- Glue firing detection system
- Double liner detector ( induction sealing liners)
- Double roll stand

**Rejection criteria**

- Caps without liner/wad
- Short liner (half moon effect)
- Black taped liner (the joint between two liner rolls )

