



LABELING & FILLING SYSTEMS

Ninon Mix

Automatic Labeling Machine

Food Industry - Chemistry - Cosmetic -
Detergency - Painting - Pharmacy

Ninon Mix

Automatic Labeling Machine



General Description

The Ninon Mix allows to apply 5 labels on all your products (square, cylindrical, rectangular) with cadences able to reach 60 products/minute. It adapts to different product formats simply and efficiently, without the need for any hardware change. This machine is appreciated for its ease of use and its consistent labelling accuracy.

Equipped machine

Motorized slate band conveyor

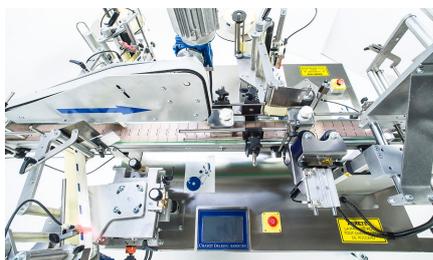
- ▶ Anodized aluminium profile, created by CDA; receiving an acetal slate band conveyor, width 82,5 mm;
- ▶ Adjustable stainless steel guides, diameter 12mm, are adjustable to allow the passage of products from 30mm to 140 mm width on single conveyor;
- ▶ The motorized conveyor is built on a stainless steel frame, outfitted with blue side panels in which the electrics & electronics are integrated. It is built on wheels or on adjustable feet;
- ▶ A pneumatic selection system is installed at the inlet of the conveyor, outfitted with one or two cylinders according to product size;

According to required outfit:

- ▶ A large rotating reception table Ø 700 mm is built at the outlet of the conveyor to recollect the labelled products;
- ▶ A square reception table is installed at the outlet of the conveyor;
- ▶ A transfer system is built at the end of the conveyor.

Labeling

- ▶ One labeling station to apply labels on a flat sided or slightly oval products including:
 - ▶ One label dispenser for front labels, adjustable in height and width. Width adjustment stroke: 75 mm. For products from 30 mm to 140 mm width;
 - ▶ One label dispenser for back labels, adjustable in height and width. Width adjustment stroke: 75 mm. For products from 30 mm to 140 mm width;
- ▶ A system to realign the products before labeling for flat or slightly oval products;
- ▶ A motorized belt conveyor built on a motorized lift is installed above the labeling station to stabilize the products when being labelled;
- ▶ One labeling station to apply labels on cylindrical products up to 110 mm Ø including:
 - ▶ One label dispenser for front labels;
 - ▶ One label dispenser for back labels.
- ▶ A label dispenser to apply one label on top of a product;
- ▶ The label dispensers are outfitted with asynchronous motors regulated by frequency converters;
- ▶ All label dispensers are built on motorized up & down lifts to adjust the labeling height;
- ▶ The labeling height is adjusted through the digital display;
- ▶ Label height from 8 to 300 mm;
- ▶ Adjustment and memorizing of the label positioning through the digital display;
- ▶ According to option:
 - ▶ Machine production rate, front/back label: up to 60 products/minute according to size and labeling type;



Digital Display

- ▶ Validation zones;
- ▶ Adjustment settings;
- ▶ Bottle counter;
- ▶ Label positioning;
- ▶ Regulation of production rate and process timing;
- ▶ Positioning memorizing - 50 positions;
- ▶ Labeling height adjustment;
- ▶ Process error detection and self-diagnosis.



Options

- ▶ Lot marking with hot foil coder;
- ▶ A detection cell to apply an additional label on already labelled products;
- ▶ A notch detection cell to apply and position labels on notched products;
- ▶ A vision camera to detect designs or shapes;
- ▶ Additional conveyor length;
- ▶ Swivelling table on labeling station;
- ▶ System to realign the products before labeling;
- ▶ A special guiding device for cone shaped bottles;
- ▶ Ink jet lot marker;
- ▶ Ultrasonic label detection sensor for transparent labels;
- ▶ Clutched support plate for heavy label reels;
- ▶ System to flip a label over the side of a product;
- ▶ Alarm light mast to notify dysfunctions;
- ▶ Sensor to detect the end of the label roll.

Technical Description

Performance Up to 60 products/minute to diameter and labeling

Approximate weight in kgs 250 Kg

Machine width 1663 mm (according to configuration)

Machine height 1170 mm

Machine length 2788 mm (according to configuration)

Conveyor height 925 mm

Control By digital display

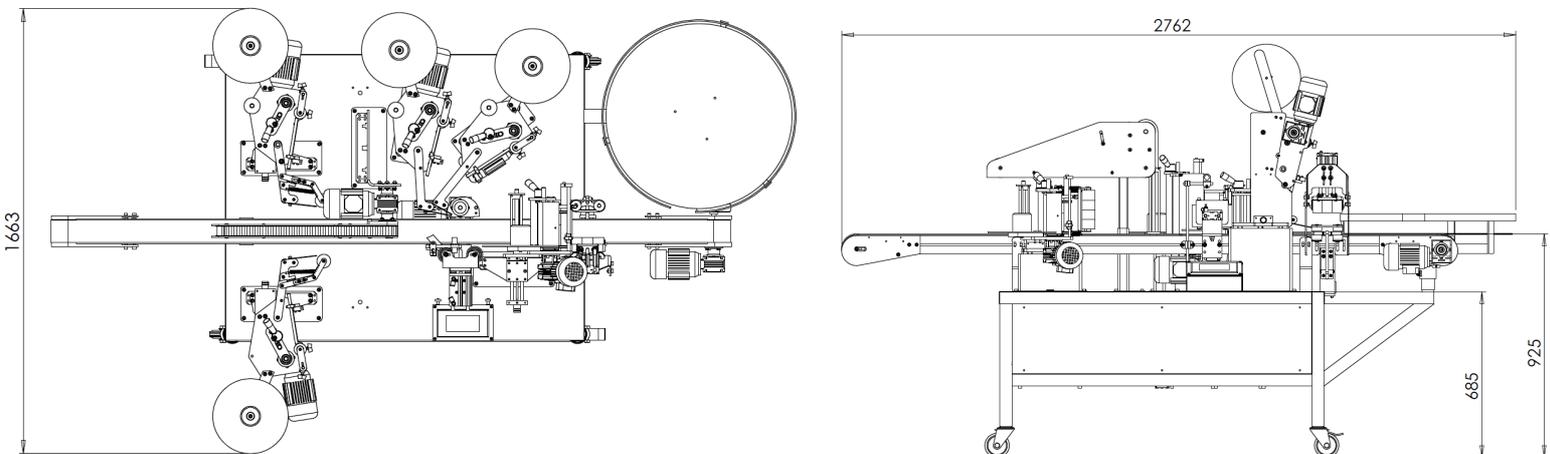
Power supply 380 V ~ 50/60 Hz 16A 3 Phases + Neutral + Ground 16A

Absorbed power 2kw

Air consumption 6 m³ / hour maxi at 6 bars - Dry air non lubricated

Ideal running temperature From 10°C to 30°C

Schematic Ninon Mix



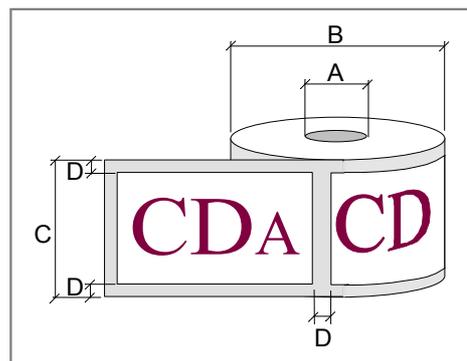
Winding Direction : LEFT OUT for Front and back labels on cylindrical stations

A - Inside diameter = 75mm

B - Max. outside diameter = 260mm (300 mm on request)

C - Max. band height = 160mm (higher on request)

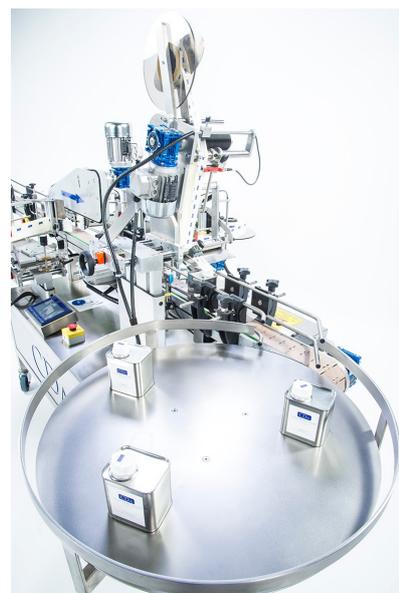
D - Space between labels = 3-5mm



Minimal paper quality: 90g.

Nota: The rolls have to be stored in a dry place between 15°C and 18°C.

Machine delivered with EC Standards.





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