



CHABOT DELRIEU ASSOCIÉS

Ninon Konic

Automatic Labelling Machine

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

Ninon Konic

Automatic Labelling Machine



General description

The Ninon Konic allows to apply labels on all your conical products (pots, bottles, cans, buckets) with cadences able to reach 30 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 conveyer

- ▶ Anodised aluminium extrusion, created by CDA; receiving an acetal slat band chain conveyer, width 82.5 mm; if required by the size of the products to be labelled, the width of the conveyer can be doubled;
- ▶ The side guide bars are made of 12mm-diameter stainless steel; their height can be adjusted to accept bottles with a diameter of up to 110 mm on a single conveyer - a diameter of 220 mm on a double conveyer;
- ▶ The motorized conveyer is fixed on a stainless steel frame, into which the electrical boxes are incorporated. Four feet on caster wheels (wheels with brakes) support the machine;
- ▶ Depending on the products to be labelled, a pneumatic cylinder selection system or multi-format selection screw is installed at the conveyor input to set the product spacing and speed.

Depending of the required configuration :

- ▶ A receiving table is installed at the output of the conveyer;
- ▶ A transfer system is installed at the end of the conveyer.



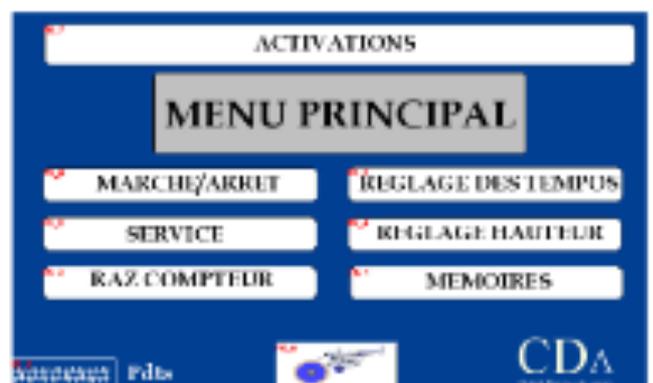
Labelling

A labelling station to apply a label on tapered products, comprising:

- A labelling head mounted on a swivel joint allowing the label dispensing angle to be adjusted;
 - A system to rotate the product and smooth the label, which matches the taper on the product;
 - A sensor to position the label relative to the handle on buckets (paint, etc.).
- The label strip is driven by asynchronous electric motors, the speed of which are controlled by flux vector variable speed drives;
- The labelling heads are mounted on cylinders that are raised and lowered electrically to control the label application height;
- The label application height is set via the touchscreen;
- Labelling height from 8 to 300 mm;
- nominal labelling speed: up to 30 products/minute;
- The position of the labels can be adjusted and the label positions can be stored using the touchscreen;

Touchscreen

- ▶ Validation area;
- ▶ Navigation keys areas;
- ▶ Product counter area;
- ▶ Label position adjustment:
- ▶ Determination of the production rates and timer adjustments;
- ▶ Storage of 50 label positions;
- ▶ Adjustment of labelling heights;
- ▶ Error detection and self-diagnostics.



Options

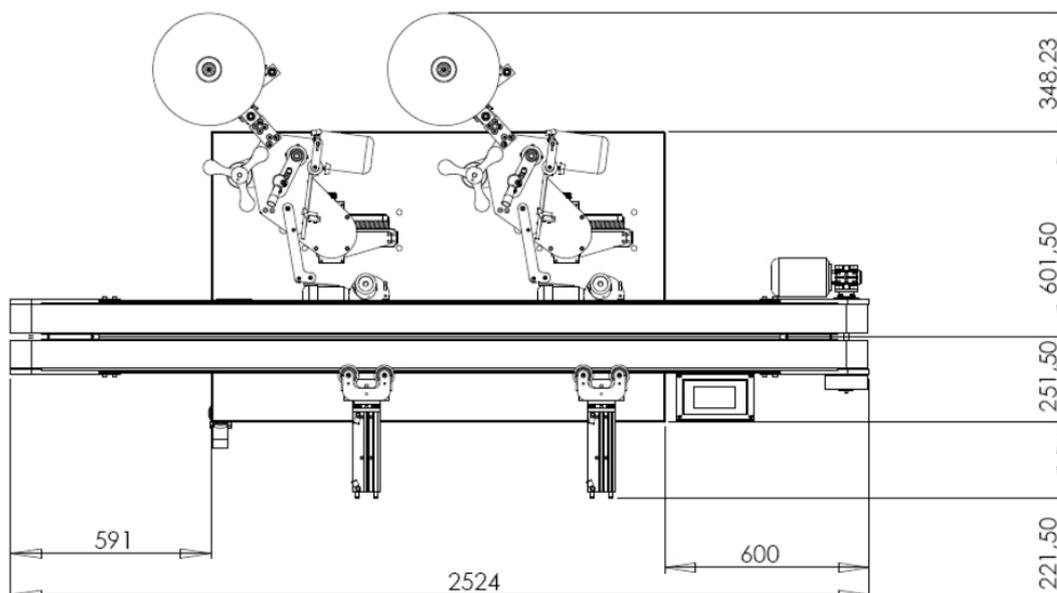
- ▶ Label detector cell to apply an additional label on products that have already been labelled;
- ▶ Vision camera for precise mark or shape detection;
- ▶ Conveyor extension;
- ▶ Inkjet marking on labels;
- ▶ Ultrasonic label detector cell for transparent labels;
- ▶ Label and back label application from the same strip;
- ▶ Clutch-type label reel support plate mounted on bearings with dancer arm for heavy reels;
- ▶ Stack light alarm system;
- ▶ System to detect the end of the label reel;
- ▶ System to detect a missing label on the support to be labelled.



Technical Description

Production Rate	Up to 30 products/minute
Width	1422 mm
Height	1300 mm
Lenght	2524 mm
Machine control	925 mm
Supply voltage	User-friendly touchscreen
Compressed air consumption	380 V ~ 50 Hz 16A 3 Phase + Neutral + Earth 16A 220 V ~ 50 Hz 16A
Labelling of cylindrical supports	2kw
Label width	12 m3 / hour max on 6 bars - Dry air non lubricated
Standard Labelling Height	10°C to 30°C

Schematic Ninon Konic



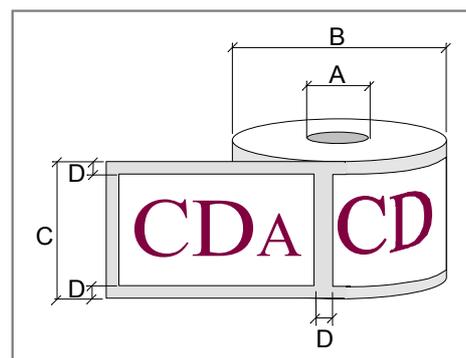
Dimensions of the label rolls

A - Inside diameter: 75 mm

B - Outside max diameter: 260 mm

C - Max. band height: 160 mm (or more on demand)

D - Space between labels: 3-5 mm



► Winding Direction : Left Out

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.

Non contractual documents.



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