



CHABOT DELRIEU ASSOCIÉS

# Ninon 1500 - 2500 Range

Automatic Labelling Machine

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

# Ninon 1500-2500 Range

Automatic Labelling Machine



## General Description

The machines from the Ninon 1500/2500 range provide a labelling application versatility on a large panel of cylindrical and conical products for a cadence up to 50 products/minute.

## Equipped machine

### Motorized conveyor

- ▶ Anodised aluminium extrusion, created by CDA; receiving an acetal slat band chain conveyor, width 82.5 mm; if required by the size of the products to be labelled, the conveyor width 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 conveyor - a diameter of 220 mm on a double conveyor
- ▶ The motorized conveyor is fixed on a sealed 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.

Depending on the required configuration :

- ▶ A 700-mm rotary receiving table is installed at the end of the conveyor.
- ▶ A square receiving table is installed at the output of the conveyor
- ▶ A transfer system is installed at the end of the conveyor

# Labelling

- ▶ A station to apply labels on cylindrical products that can include:
  - A label application head;
  - A back label application head;
  - A label application head for a third label.
- ▶ 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 pneumatic cylinders with the label application height controlled electrically;
- ▶ The label application height is set via the touchscreen;
- ▶ Labelling height from 8 to 300 mm;
- ▶ Nominal label/back label application speed: 50 products/minute depending on the diameter and application type;
- ▶ The position of the labels can be adjusted and the label positions can be stored using the

## 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

- ▶ Thermal transfer marking;
- ▶ Label detector cell to apply an additional label on products that have already been labelled;
- ▶ Notch detector cell to position labels on notched products;
- ▶ Vision camera for precise mark or shape detection;
- ▶ Conveyor extension;
- ▶ System to label bottles with tapered shanks;
- ▶ Inkjet marking on labels;
- ▶ Ultrasonic label detector cell for transparent labels;
- ▶ 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.

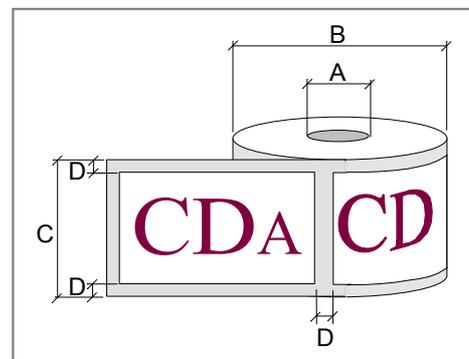
## Dimensions of the label rolls

A - Inside diameter: 75 mm

B - Max. outside 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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