



CHABOT DELRIEU ASSOCIÉS

Ninon By-Pass

Automatic Labelling Machine

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

Ninon By-Pass

Automatic Labelling Machine



General Description

The Ninon By-Pass combines the quality of the three points labelling technique to a production rate reaching up 120 products/minute. It allows the application of one label on all cylindrical products.

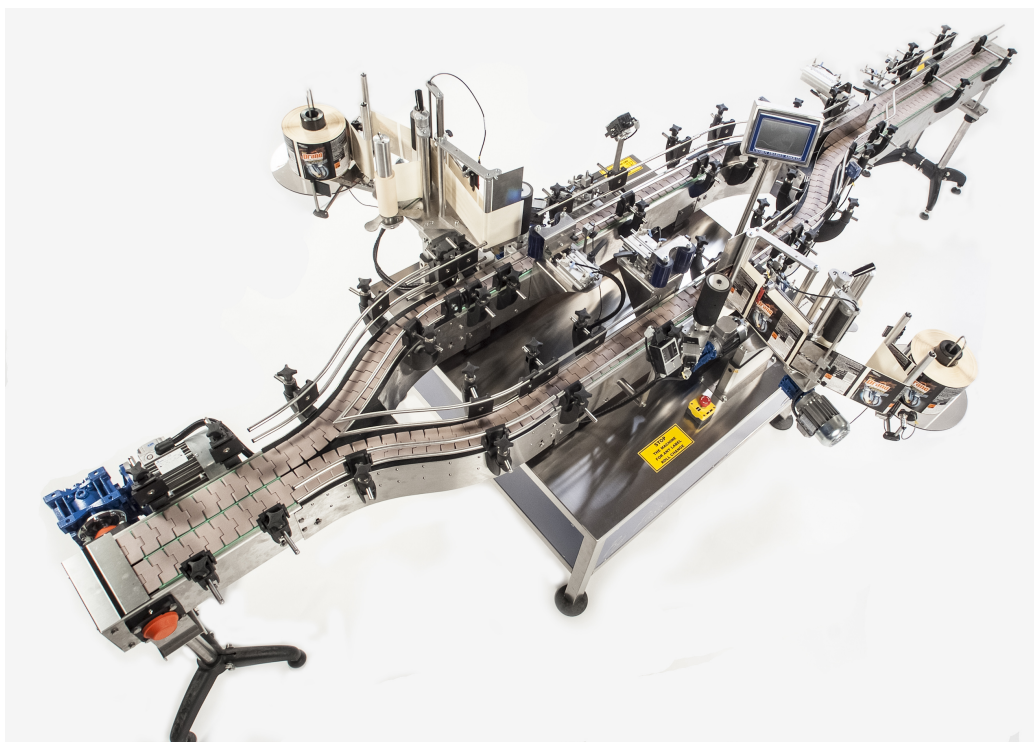
Equipped machine

Dual motorized conveyor

- ▶ Anodized aluminium extrusion, created by CDA; receiving 2 acetal slat band chain conveyors, dual motorized conveyor with orientation system to route products to the 2 labelling stations;
- ▶ The side guide bars are made of 12mm-diameter stainless steel; the height can be adjusted to accept products with a diameter of up to 80 mm;
- ▶ The motorized conveyor is fixed on a sealed stainless steel frame, into which the sealed electrical boxes are incorporated. Frame on castor wheels or height-adjustable feet.

Depending on the required configuration :

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



Labelling

- ▶ Machine outfitted with two labelling systems built in parallel and each one including:
 - A selection system to rhythm the products before labelling;
 - A system to put the product in rotation and to apply the label;
 - A clutched support plate diameter 300mm;
- ▶ 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 mm to 155 mm depending on option;
- ▶ Non-stop machine: when the reel is changed on one station, the other station continues to operate;
- ▶ The position of the labels can be adjusted and the label positions can be stored using the touchscreen;
- ▶ Nominal labelling speed: up to 5000 products/hour depending on the diameter and application type (up to 2500 products/hour per station).

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;
- ▶ Notch detector cell to position labels on notched products;
- ▶ Vision camera for precise mark or shape detection;
- ▶ Conveyor extension;
- ▶ Inkjet marking on labels;
- ▶ Ultrasonic label detector cell for transparent labels;
- ▶ 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 Characteristics

Production rate	Up to 120 products/minute
Width	1850mm (depending on machine configuration)
Height	1200mm
Lenght	3300mm (depending on machine configuration)
Conveyor height	925 mm
Machine control	User-friendly touchscreen
Supply voltage	380 V ~ 50 Hz 16A 3-Phase + Earth 16A 220 V ~ 50 Hz 16A
Power consumption	2kw
Compressed air consumption	20 m3 / hour max at 6 bar - Dry air non lubricated
Ideal operating temperature	10°C to 30°C

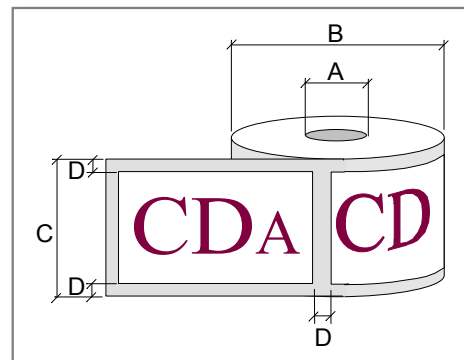
Dimensions of the label rolls

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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