

Ninon Wrap

Automatic labelling machine for cylindrical products.

Automatic adhesive labeller - 1 wrap-around label.

Suitable for products between 15 and 115 mm.



The Ninon Wrap is an automatic labeller equipped with :

- A fully stainless steel chassis.
- A motorised conveyor (82.6 mm wide).
- An electric up/down labelling station (width : 155 mm) with a detachable tray.
- An adjustable banding system that allows the station to be tilted.
- A 40 and 76 mm mandrel onto which we place the roll of labels. The label roll is designed to be wound on the outer left.
- A product detection cell to trigger label application.
- A touch screen to control and adjust the machine, as well as a product counter.

Options available

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- A stainless steel conveyor with an 82.6» wide chain
- A locking system to keep pace with the products (by double jack or motorised wheel).
- An extension to the CYLINDRICAL labelling station. This option can accommodate reel heights of 285 mm (compared with 155 mm as the standard).
- A 700mm in diameter reception table for products (up to 60 products, depending on the size).
- A marker/coder for applying a use-by date, barcode, and more.
- An ultrasound cell for transparent labels.
- A «label presence» control system with the ejection of unlabelled containers.

This machine is upgradeable : some of the above options can be added on site with the intervention of a technician.

Limits of the Ninon Wrap

- Cylindrical products with a diameter greater than 115 mm
- Conical products and unstable products

Technical specifications

APPROXIMATE WEIGHT IN KG	300 kg (depending on the option)
DIMENSIONS (WITH CHASSIS AND DEPENDING ON THE OPTION)	1865 mm wide 1200 mm high 2550 mm long
POWER CONSUMPTION	1 kW (depending on the option)
VOLTAGE/ELECTRICAL SUPPLY	1 220 volt cable - length of 6 metres (To be specified when ordering)
PNEUMATIC POWER SUPPLY	3 bar constant - Dry, non-lubricated air (hose Ø Int/Ext = 8/10 mm)
CONTROL	by touch screen
IDEAL OPERATING TEMPERATURE	from 10°C to 30°C

Please note that this machine requires an electrical and pneumatic power supply.

Technical focus n°1

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WINDING SIDE FOR LABEL BANDING STATION : OUTER LEFT

The Ninon Wrap is designed to accommodate label rolls with a left outer winding direction. Additionally, the coil dimensions must be as follows :

- a : core diameter = 76 mm
- b : max. roll diameter = 325 mm
- c : maximum coil height = 155 mm (285 mm optional)
- d : storage / scaling = 3-5 mm

The characteristics (material, grammage, adhesive, dimensions, and so on.) of the label must be consistent with the requirements and the type of bottle.

*Note : Label reels should be stored in a dry place between 15°C and 18°C.
Do not hesitate to contact your sales representative or your printer, case-by-case solutions can be found.*

Technical focus n°2

TOUCHSCREEN

The colour touch screen makes it easy to set a number of parameters, such as :
Selecting stations and options.
Timer settings.
Keying speed
Day counter.

Technical focus n°3

MOTORISED CONVEYOR

The conveyor designed by CDA is made of an anodised aluminium profile, which holds a 82.6 mm wide acetal pallet chain (the width of this chain can be 190 mm upon request). Width-adjustable stainless steel side guides (diameter of 12 mm) guide the passage of the products. The conveyor/motor unit is mounted on a stainless steel frame into which the electrical box is integrated.

Technical focus n°4

BANDING LABELLING STATION

The banding station is driven by asynchronous motors and variable frequency drives (adjustable label output speed). The banding system smoothes the label that has just been applied to the product’s container while allowing it to advance on the conveyor (maximum standard reel height of 155 mm).

The CDA labelling station is mounted on an electric column, so the height at which the label is applied can be adjusted via the touch screen. No manual adjustments or tools are required to set the label’s height.

The reel support tray of the banding station can accommodate a roll of labels with a diameter of 325 mm (standard). Lastly, the station is equipped with a ‘fixed’ storage cell for storing label outputs.

Technical focus n°5

DISENGAGEABLE PLATEN

The disengageable platen is a simple mechanical device that limits the effects of the weight of the label reel (which varies over time). Each time the web is pulled, the plate (which is mounted on a bearing) is released to rotate and then locked once the pull is complete. What's more, the disengageable platen enables the maximum reel diameter to be increased, from 260 mm to 325 mm.

Technical focus n°6

RECEPTION TABLE

The reception table is installed at the end of the machine to collect the labelled bottles. The table of 700mm of diameter can handle up to 60 Ø75mm bottles.

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Technical Drawing

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