

# Ninon Side

**Automatic labelling machine for products with flat surfaces (square, rectangular and slightly oval).**

Automatic adhesive labeller - up to 2 labels.  
Suitable for products between 15 and 115 mm.



**The Ninon Side is an automatic labeller equipped with :**

- A fully stainless steel chassis.
- Motorised conveyor (82.6mm wide).
- An inclined label application station (SIDE POST) for labelling square, rectangular or oval products. The height of the station can accommodate reel heights from 10 mm to 155 mm (standard). The height at which labels are applied can be adjusted via the touch screen. The reel support plate can be disengaged.
- A 40 mm and 76 mm mandrel onto which we place the label roll. The label roll is designed to be wound on the outside 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 a choice of chain widths between 82.6, 114.3 or 190.5 mm
- An aluminium profile conveyor with a chain width of 190 mm (82.6 mm as the standard).
- A locking system for product timing (double cylinder or guided cylinder).
- A second SIDE station.
- An extension to the SIDE station(s). This option can accommodate reel heights of 285 mm (compared with 155 mm as the standard).
- An automatic aligner to align and centre products.
- A stabiliser belt to drive the product at a constant speed.
- Side label flap system (side, top or double).
- Smoothing with pads.
- A 700 mm in diameter product infeed table (up to 60 products, depending on size).
- A marker/coder for applying a use-by date, barcode, and more.
- An ultrasound cell for transparent labels.

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

Limits of the Ninon Side

- Products with flat surfaces higher than 390 mm and wider than 115 mm.
- Products with concave or convex surfaces to be labelled.
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Technical specifications

APPROXIMATE WEIGHT IN KG	350 kg (depending on the option)
DIMENSIONS (WITH CHASSIS AND DEPENDING ON THE OPTION)	1985 mm wide 1610 mm high 3525 mm long
POWER CONSUMPTION	2 kW (depending on the option)
VOLTAGE/ELECTRICAL SUPPLY	1 220 volt cable - length of 6 metres (To be specified when ordering)
PNEUMATIC POWER SUPPLY	6 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 DIRECTION SIDE STATION(S) : OUTER LEFT / RIGHT

The Ninon Side was designed to accommodate label rolls with a left outer winding direction at the rear SIDE position. The front SIDE position should be capable of receiving label rolls with a right outer winding direction. Additionally, the coil dimensions must be as follows :

- a : core diameter = 76 mm (40 mm optional)
- 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

SIDE POST (optional)

The label applicator for flat products is driven by an asynchronous motor and variable frequency drive (adjustable label output speed). This station applies the labels «on the fly», and they are then smoothed by a brush or a roller (standard maximum 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 SIDE station’s reel support tray can be disengaged to accommodate a roll of labels with a diameter of 325 mm (standard).

Technical focus n°5

AUTOMATIC ALIGNOR (optional)

The automatic aligner is used to align oval or rectangular products. The aligner consists of a double chain driven by asynchronous motors and controlled by variable speed drives. This device is synchronised with the conveyor speed. The aligner is adjusted to the width of the product using a handwheel (position indicator).

## Technical focus n°6

### STABILISER BELT (optional)

The stabiliser belt is a belt (driven by an asynchronous motor and controlled by a variable speed drive) synchronised with the speed of the conveyor. It is mounted on an electric column and its height can be adjusted via the touch screen. The stabiliser belt stabilises the product by pressing down on it from above, and drives it at a constant speed as the front and/or back labels are applied.

## Technical focus n°7

### 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°8

### RECEPTION TABLE

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

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## Technical Drawing

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