

Ninon Konic

Automatic labelling machine for conical/tapered and cylindrical products.

Automatic adhesive labeller - up to 3 labels.

Suitable for conical and cylindrical products between 15 and 115 mm.



The Ninon Konic is an automatic labeller equipped with :

- A fully stainless steel chassis.
- A motorised conveyor (82.6mm wide).
- An inclined labelling station adapted to conical products (KONIC STATION). The height of the station can accommodate reel heights ranging from 10 mm to 155 mm (standard). Label application height can be adjusted via the touch screen.
- A disengageable reel support tray equipped for 40 and 76 mm cores. The label roll is designed for left-hand winding.
- A product detection cell to trigger label application.
- A pressure-sensitive cylinder for labelling products with diameters between 40 and 90 115 mm (standard).
- A touch screen to control and adjust the machine, as well as a product counter.

Available options

- A stainless steel conveyor with a choice of chain widths of 82.6, 114.3 or 190.5 mm
- An aluminium profile conveyor with a chain width of 190 mm (82.6 mm as standard).
- A triple conveyor for large containers (up to 315 mm of diameter) and volumes (3L to 22L).
- A locking system for product timing (by double jack, guided jack, selection screw, and so on.).
- A second KONIC station.
- An extension to the KONIC station(s). This option can accommodate reel heights of 285mm (compared with 155mm as the standard).
- A labelling station adapted to cylindrical products (CYLINDRICAL STATION). The height of the station can accommodate reel heights from 10 mm to 155 mm (standard). Label application height can be adjusted via the touch screen.
- An extension to the CYLINDRICAL station. This option accommodates reel heights of 285mm (compared with 155mm as the standard).
- An UP-station for placing labels (adapted to the labelling of the upper part of the products).
- Top label flap system (on one or both sides).
- A disengageable tray.
- Machining of drive rollers.
- Multi-format platen cylinder.
- A reinforced platen cylinder for large containers.
- A reception table for 700 mm of diameter products (up to 60 products, depending on the size).
- A marker/coder to apply a best-before date, barcode, and so on.
- A register cell to align the label with a notch, label, handle, image, weld, etc.
- An ultrasound cell for transparent labels.

This machine is upgradeable : the above options can be added at the customer’s premises with the assistance of a technician.

Limits of Ninon Konic

- Containers made of soft plastic or with glass defects
- Containers with a taper greater than 15
- Containers with an inverted taper

Technical specifications

APPROXIMATE MASS IN KG	350 kg (depending on the option)
DIMENSIONS (WITH CHASSIS AND DEPENDING ON THE OPTION)	1890 mm wide 2062 mm high 3278 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 SUPPLY	A constant 6 bars - Dry, non-lubricated air (hose Ø Int/Ext = 8/10mm required)
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

WINDING DIRECTION FOR CYLINDRICAL AND KONIC UNITS : OUTSIDE LEFT

The Ninon Konic was designed to take rolls of labels with a left-hand external winding direction. In addition, the roll dimensions must be as follows :

- a: max core diameter = 76 mm
- b : max. roll diameter = 260 mm (325 mm if there is the optional detachable plate)
- c : max. reel labelling height = 155 mm (285 mm optional)
- d : scaling = 3-5 mm

*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, as 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.
Setting time delays.
Keying speed (optional, if there is a selection screw).
Day counter.

Technical focus n°3

MOTORISED CONVEYOR

The conveyor designed by CDA has a stainless steel profile, accommodating 2 acetal pallet chains 82.6 mm wide (the width of this chain can be increased 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 panel is integrated.

Technical focus n°4

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CYLINDER STATION

The labelling station for cylindrical products is driven by asynchronous motors and variable frequency drives (adjustable label output speed). This station rotates the cylindrical products to apply the labels (standard maximum reel height 155 mm).

The CDA labelling station is mounted on an electric column, enabling the label application height to 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 CYLINDRICAL station can accommodate a roll of labels with a diameter of 260 mm (standard). Lastly, the station is equipped with a 'fixed' storage cell for storing label outputs.

Technical focus n°5

MACHINED ROLLERS (optional)

If one of your products to be labelled has protrusions (such as a tin can), the use of machined rollers may be essential.

Technical focus n°6

CONICAL STATION (optional)

The label applicator for conical products is driven by asynchronous motors and variable frequency drives (adjustable label output speed). This station rotates the conical products while tilting to apply the labels (standard maximum reel height 155 mm).

The CDA labelling station is mounted on an electric column, allowing the label height to be adjusted via the touch screen. No manual adjustments or tools are required to set the label height.

The CONIQUE station's reel support tray 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°7

UP STATION (optional)

The top labelling station is driven by asynchronous motors and variable frequency drives (adjustable label output speed).

The CDA labelling station is mounted on an electric column, enabling the height of the label to be adjusted via the touch screen. This means that no manual adjustments or tools are required to set the label's height.

The UP station's reel support tray can accommodate a roll of labels with a diameter of 260 mm (standard). Lastly, the station is equipped with a 'fixed' storage cell for controlling label outputs.

Technical focus n°8

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INTERCHANGEABLE STICKER CYLINDER (optional)

The table below shows the dimensions of the cylindrical products that can be labelled using the equipment we are proposing.

Interchangeable Platen Jack	Ø Min	Ø Max
Industrial rolls from Ø16 mm to Ø30 mm	16	30
Industrial rolls from Ø30 mm to Ø60 mm	30	60
Industrial rolls from Ø40 mm to Ø90 mm	40	90
Industrial rolls from Ø60 mm to Ø150 mm	60	150
Industrial rolls from Ø140 mm to Ø240 mm	140	240

Technical focus n°9

INTERCHANGEABLE PLATES CONICAL POST (optional)

The table below shows the dimensions of conical products that can be labelled using the suggested materials.

Interchangeable Platen Cylinder	Ø Min	Ø Max
Arms and rollers KONIC S	60	100
Arms and rollers KONIC M	100	150
Arms and rollers KONIC L	150	200

Technical focus n°10

DEBRAYABLE TRAY (optional)

The disengageable platen is a simple mechanical device that limits the effects of the weight of the reel of labels (which varies over time). Each time the tape 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°11

ULTRASOUND CELL (optional)

The ultrasonic storage cell is used to detect labels and transparent media. If you have transparent labels, this option is essential for the machine to work properly. In addition to detecting transparent labels, this cell also detects opaque labels.

Technical focus n°12

LABEL RECORDING CELL (optional)

The «label spotting» cell detects a label already present on the bottle in order to guide the application of a new label (a medal, a back label, and so on.).

Technical focus n°13

RECEPTION TABLE

The reception table is installed at the machine exit to collect the dressed bottles. The 700 mm of diameter table can receive up to 60 bottles.

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Technical Drawing

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