

Solo Up

Automatic machine designed to label the top of products.

Automatic adhesive labeller - applies 1 label to the top of products.

Suitable for cylindrical, rectangular and oval products from 15 to 115 mm.



Solo Up is an automatic labeller equipped with :

- All stainless steel chassis.
- A motorised conveyor (82.6mm wide).
- A station for applying labels to the top of products (POSTE UP). The height of the station can accommodate reel heights from 10 mm to 155 mm (standard). Label positioning can be adjusted via the touch screen.
- A 40 mm and 76 mm mandrel on which to 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, plus a product counter.

Options available

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- A stainless steel profile conveyor with a choice of 82.6, 114.3 or 190.5 mm chain widths
- An aluminium profile conveyor with 190 mm chain width (82.6 mm as standard).
- A locking system to keep products in line (by double jack, guided jack, motorised wheel, etc.).
- A top label flap on one or both sides.
- A reception table for rectangular products (up to 24 products depending on size).
- An independent rotary table for receiving products with a diameter of 700 or 1000 mm.
- A marker/coder to apply a use-by date, barcode, etc.
- A registration cell to align the label with a notch, label, handle, image, weld, etc.
- 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 Solo Up

- Containers with a diameter greater than 115 mm and/or a height greater than 480 mm
- Unstable containers

Technical specifications

APPROXIMATE WEIGHT IN KG	200 kg (depending on the option)
DIMENSIONS (WITH CHASSIS)	1065 mm wide 2020 mm high 2350 mm long
POWER CONSUMPTION	1 kW
VOLTAGE/ELECTRICAL SUPPLY	1 220 volt cable - length 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 UP POST: OUTSIDE LEFT / RIGHT - OUTSIDE HIGH - OUTSIDE LOW

The machine is designed to accept label rolls with a left-hand external winding direction. In addition, the dimensions of the rolls must be as follows:

- a : core diameter = 76 mm
- b : max. roll diameter = 260 mm (325 mm if optional disengageable plate)
- c : maximum coil height = 155 mm (23 or 285 mm optional)
- d : scaling = 3-5 mm

The characteristics (material, grammage, adhesive, dimensions, etc.) 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.

Don 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 (label output, spacing).
- 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

UP POST

The label applicator for flat products is driven by an asynchronous motor and variable frequency drive. This station applies the labels «on the fly», which are then smoothed by a brush or roller (standard maximum reel height 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 height.

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

Technical Focus n°5

ULTRASON CELL (optional)

The ultrasonic 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.

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Technical Focus n°6

RECTANGULAR RECEPTION TABLE

The rectangular reception table is installed at the machine exit to collect the labelled bottles. The 580 x 460mm table can handle up to 45 containers (for a $\varnothing 60$ mm diameter container).

Technical Drawing

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