RANGE R1000/1500

Automatic adhesive labeller and capper - Up to 4 labels (label, back label, medal, collar) on bottles.

Machine suitable for wine bottles from 37.5 cl to 150 cl without additional tools.

The R1000/1500 is an automatic labeller equipped with :

- All stainless steel chassis.
- Motorised conveyor (82.5mm wide).
- A multi-format automatic centring unit.
- A labelling station adapted to cylindrical products. The height of the station can accommodate reel heights from 10mm to 155mm (standard). The height of the labels can be adjusted via the touch screen.
- A back label applicator for cylindrical products. Height and adjustment are identical to the label application stations.
- A 40mm and 76mm mandrel (standard) on which to place the roll of labels. 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 115 mm (standard).
- A rotating cylindrical table at the machine output (for up to 60 bottles, depending on format).
- A touch screen to control and adjust the machine (up to 50 settings), plus a product counter.

Available options

- Multi-format selection screw.
- A cap and/or cap dispenser (manual height adjustment).
- A crimper for capsules (30mm diameter for a length of between 30 and 55 mm) or for caps.
- A «Medals» station (height adjustment via touch screen).
- A station for fitting wraparound collars.
- Tilting of one or more application stations.
- A programme for labelling labels and back labels on the same roll.
- Raised application station(s). This option can accommodate reel heights of 285mm (compared with 155mm as standard).
- A tapered kit to adapt labelling to certain tapered bottles.
- A marker/coder to apply a use-by date, barcode, etc.
- A register cell to align the label on a notch (for bottles with a coat of arms).
- An ultrasound cell for transparent labels.
- A label register cell.

This range is made up of upgradeable machines: the above options can be added at the customer's premises with the intervention of a technician.

Limits of the Range 1000/1500

- Bottles with a diameter greater than 115 mm and a height of 390 mm
- Capping of mignonettes or other small formats

Technical characteristics Range 1000/1500

APPROXIMATE MASS (KG)	250 kg (depending option)
DIMENSIONS (WITH FRAME AND DEPENDING OPTION)	2791 mm in width 1913 mm in height 1562 mm in height
POWER CONSUMPTION	1kW (depending option)
SUPPLY VOLTAGE	380 V 5 wires (3P + T + N) Or 380 V 4 wires (3P+T) + outlet 220 v (To be specified on your order)
PNEUMATIC SUPPLY	6 bars Dry, non-lubricated air (Pipe Ø Int = 8 mm required)
CONTROL	by touchscreen
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
ROLLING DIRECTION : OUTSIDE LEFT

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

      a : chuck diameter = 76 mm
      b : max. coil diameter = 260 mm
      c : max. labelling height = = 155 mm (285 mm optional)
      d : label gap = 3-5 mm

The characteristics (material, weight, adhesive, dimensions, etc.) of the label must be consistent with the need and the type of bottle.

Important : Label reels should be stored in a dry place between 15°C and 18°C.

Don't hesitate to contact your sales representative or your printer. We can find solutions on a case-by-case basis.

Technical focus n°2
MULTI-FORMAT AUTOMATIC CENTRING MACHINE

The automatic centring device is used to centre products positioned on the conveyor. The product can then undergo a given operation (dressing by a cap dispenser, a crimping station, etc.). The centring device is integral with the conveyor and adapts perfectly to the different formats of wine bottles (no adjustments or tooling changes required).

Technical focus n°3
TOUCHSCREEN

The colour touch screen allows easy adjustment of several parameters such as:

      Selection of stations and options
      Setting of time delays
      The speed of the clocking
      Daily product counter

Technical focus n°4
MULTI-FORMAT SELECTION SCREW

The selection screw is used to create a regular pitch between the products to be dressed. We say that it «cadences» the products (saving considerable time).

Technical focus n°5
CAPSULES DISPENSER

The capsule dispenser is a system for automatically depositing loose capsules on bottlenecks from capsule sticks. The height of the dispenser can be adjusted via the touchscreen.

The tray dimensions are 500 x 430 mm (maximum capacity 800 capsules - up to 1600 optional). This dispenser handles capsules with a diameter of 30 mm and a length of between 30 and 60 mm.

The capsules are ejected by a double blowgun, while a pneumatic cylinder deposits the capsule on the neck. The neck is centred and held automatically by the multi-format centring device.

Technical focus n°6
CRIMPING SYSTEM *(optional)*

Whether you choose a roller crimper (8 rollers - 1400 rpm) or a thermal crimper, this option is used to automatically crimp caps that have previously been placed on bottles.

The choice between one or another of these crimping machines depends on the composition of your capsules: metal or plastic. CDA's crimping systems are equipped with automatic bottle centring and holding devices. The pace and height of crimping can be adjusted via the touchscreen.

Technical focus n°7
POSITION INCLINATION FOR CONICAL BOTTLES *(optional)*

L'inclinaison du poste permet de maximiser la qualité d'étiquetage lorsque les bouteilles à étiqueter sont légèrement coniques (conicité faible à moyenne). L'angle d'inclinaison du poste se règle à l'aide d'une molette puis est verrouillé lorsque la position adéquate a été définie.

Technical focus n°8
3rd POST / COLLERETTE POST *(optional)*

The collar station is used to apply medals or collar labels. It has additional equipment compared with a «conventional» station: a vice and a tilting table (3 axes) to adjust the orientation of the station and a smoothing system (pneumatic cylinder).

Technical focus n°9
ELECTRIC SHIFT ADJUSTMENT

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

Technical focus n°10
ULTRASON CELL *(optional)*

The ultrasonic weeding 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°11
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, etc.).

Technical focus n°12

CAP CRIMPING WITH OR WITHOUT PRE-POSITIONING (SPOT MARKING)

Sparkling wines are often dressed in a cap (instead of the capsule for still wines). These caps are shaped to fit the neck of specific champagne bottles (or equivalents). The cap head allows the cap to be crimped to the shape of the neck.

The caps are sometimes printed with a coat of arms. A pre-positioning system can be fitted under the head to direct the coat of arms before crimping. The pre-positioning system rotates the bottle in order to locate a spot on the cap (contrast, UV, etc.) and thus angle the bottle before crimping.

Technical focus n°13
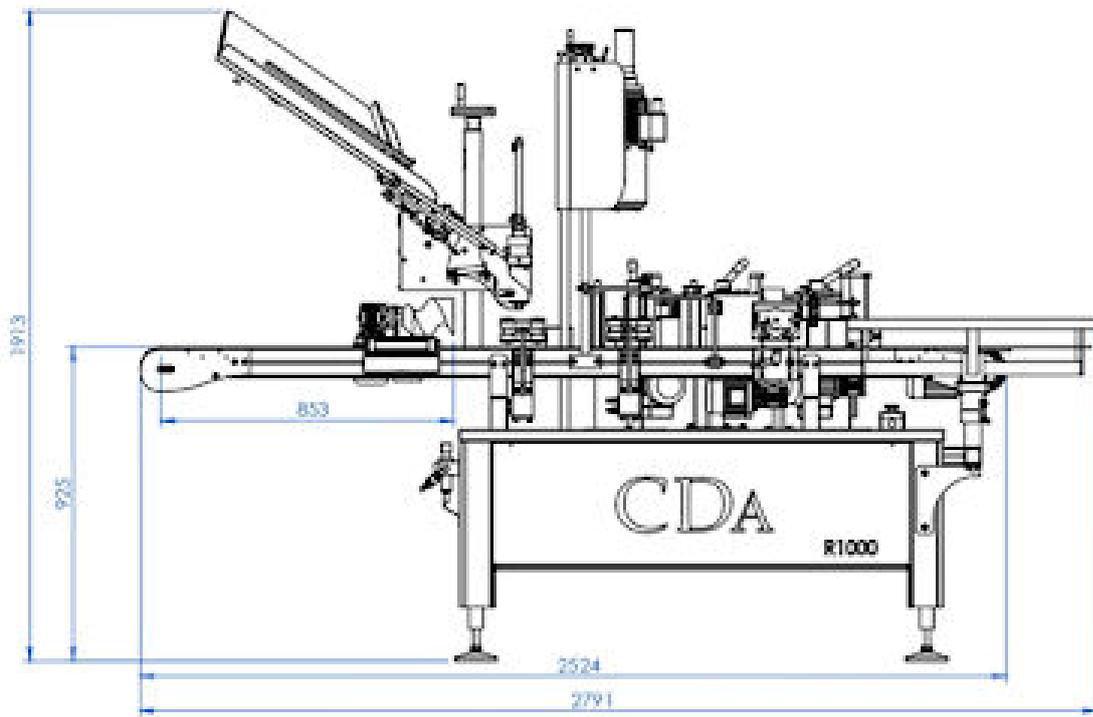
ENCAPSULATING COLLAR STATION

The caps on sparkling wine bottles are sometimes complemented by a surrounding label placed between the bottom of the cap and the glass. These labels are often called wrap-around labels. Because their shape is adapted to the neck, they require a specific station and process.

As with crimping, it is also possible to orient this label in relation to a coat of arms on the cap.

Technical focus n°14

RECEPTION TABLE

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

Photos, prices and descriptions are indicative and non-contractual.