

# Essentiel

Automatic labeling machine for wine bottles and cylindrical products  
-up to 2 labels on bottles



## Essentiel is an automatic labeller equipped with :

- Stainless steel chassis.
- A motorized conveyor (82.6mm wide chain).
- A multi-format automatic centering unit (half/bottle/magnum) for capping.
- A label application station adapted to cylindrical products. Label application height is manually adjusted by modifying the height of the label tray.
- A Ø76 mm mandrel (standard) on which to place the label roll. The label roll is designed for left-hand winding.
- A product detection sensor for the automatic label application- A bottle pusher with 1 set of rolls for products with diameter between 60 to 150 mm (standard).
- A rectangular table at the machine output (capacity: up to 24 bottles, depending on bottle format).
- A touch screen for machine control and adjustment, plus a product counter.

- Multi-format selection screw for cadence.
- Capsule dispenser (manual height adjustment).
- Capsule crimper (with rollers or thermal crimping).
- A back labeling station adapted to cylindrical products. Height and adjustment are identical to the front labelling station.
- A program for labeling labels and back labels on the same roll.
- Label station(s) can be raised. This option allows you to upgrade to a reel height of 290 mm (vs. 190 mm as standard).
- A marker / coder to apply a DLC, a barcode, etc...
- A notch sensor to orient the label on the bottle
- Ultrasonic sensor for transparent labels.
- A label detection sensor.

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

## Limits of the Essentiel

- Conical bottles.
- Bottles with a diameter greater than 115 mm in height and a minimum diameter of  $\varnothing 40$ .

## Technical characteristics Essentiel

APPROXIMATE MASS (KG)	120 kg (depending option)
DIMENSIONS (WITH FRAME)	2591 mm in width (depending option) 1882 mm in height (depending option) 778 mm in height (depending option)
POWER CONSUMPTION	1kW (depending option)
SUPPLY VOLTAGE	380 V 5 wires (3P + E + N) Or 380 V 4 wires (3P+E) + plug 220 V (Please specify when ordering)
PNEUMATIC SUPPLY	6 bars Dry, non-lubricated air (Pipe $\varnothing$ Int/Ext = 8/10 mm 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: 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 (depending on installation height)= 190 mm (290 mm optional)

d : label gap = 3-5 mm

Minimum quality of the tape used : 90 g

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, as case-by-case solutions can be found.*

## Technical focus n°2

### MULTI-FORMAT AUTOMATIC CENTRING MACHINE

The automatic centering device centers products positioned on the conveyor. In this way, the product can be held in place during a given operation (cap dispensing or crimping). The centering device is part of the conveyor and adapts perfectly to different wine bottle formats (no adjustments or tooling needed).

## Focus technique n°3

### TOUCH SCREEN

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

Selection of labelling stations and options.

Setting of time delays. (label output, spacing).

The speed of the timing clocking.(if optional selector screw).

Daily product counter.

## Technical focus n°4

### MULTIFORMAT SELECTION SCREW (optional)

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

## Technical focus n°5

### CAPSULES DISPENSER (optional)

The capsule dispenser is a system for automatically dispensing loose capsules from capsule sticks onto bottle necks. The height of the dispenser is adjusted manually (using a handwheel).

Tray dimensions are 500 by 430 mm (maximum capacity 800 capsules). This dispenser handles capsules with a diameter of 30 mm and a length of between 30 and 60 mm.

Capsules are ejected by a double blowgun, while a pneumatic cylinder deposits them on the neck. The neck is automatically centered and maintained by a multi-format centering device.

## Technical focus n°6

### CRIMPING SYSTEM *(optional)*

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

The choice between one or other of these crimpers depends on the material of your capsules: metal or plastic. CDA crimping systems feature automatic bottle centering and holding. Speed can be set via the touch-screen. Crimping height is set manually.

## Technical focus n°7

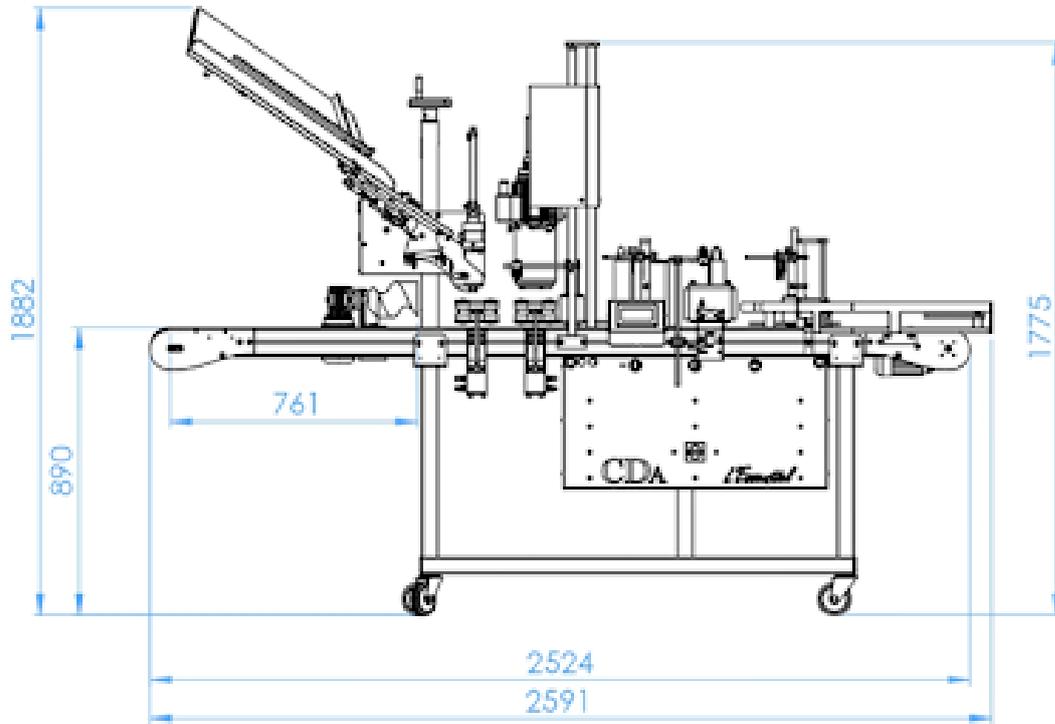
### ULTRASONIC SENSOR *(optional)*

The Ultrasonic Label Gap detection sensor ultrasonic is used instead of the standard sensor to detect transparent labels on glassine.

## Technical focus n°8

### LABEL SENSOR *(optional)*

The label detection sensor detects a label already present on the bottle, and positions a new label in the desired location (e.g. a competition medal on top of the label, or a back label in another language on top of the standard back label).



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