



CHABOT DELRIEU ASSOCIÉS

Solo

Automatic Labelling Machine

Food Industry - Chemistry - Cosmetic -  
Detergency - Painting - Pharmacy

# Solo Range

## Automatic Labelling Machine



## General description

Solo machines are manufactured in very compact sizes and provide labeling versatility on most cylindrical and tapered products. Production rate up to 60 products/minute. Easily integrate into a packing line.

# Equipped machine

## Motorized slate band conveyor

- ▶ Anodized aluminium profile, created by CDA; receiving an acetal slate band conveyor, width 82,5 mm ; double conveyor if required by the dimensions of the product to be labelled;
- ▶ Adjustable stainless steel guides, diameter 12mm, are adjustable to allow the passage of products up to 110mm diameter on single conveyor, 220 mm on double conveyor;
- ▶ The motorized conveyor is built on a stainless steel frame, outfitted with blue side panels in which the electrics & electronics is integrated. It is built on wheels or on adjustable feet;
- ▶ According to the products to be labelled, a selection system is installed at the inlet of the conveyor. Either a multi-format selection screw regulated by frequency converter or a pneumatic selector with one or two cylinders according to product size.

According to required outfit:

- ▶ A square recollection table is installed at the outlet of the conveyor ;
- ▶ A transfer system is built at the end of the conveyor.

## Labelling

- ▶ One labelling station to apply labels on cylindrical products with one label dispenser ;
- ▶ The label dispensers are outfitted with asynchronous motors regulated by frequency converters ;
- ▶ All label dispensers are built on motorized up & down lifts to adjust the labelling height;
- ▶ The labelling height is adjusted through the digital display;
- ▶ Label height from 8 to 300 mm ;
- ▶ Machine production rate up to 60 products/minute according to size and labelling type ;
- ▶ Adjustment and memorizing of the label positioning through the digital display.

## Digital Display

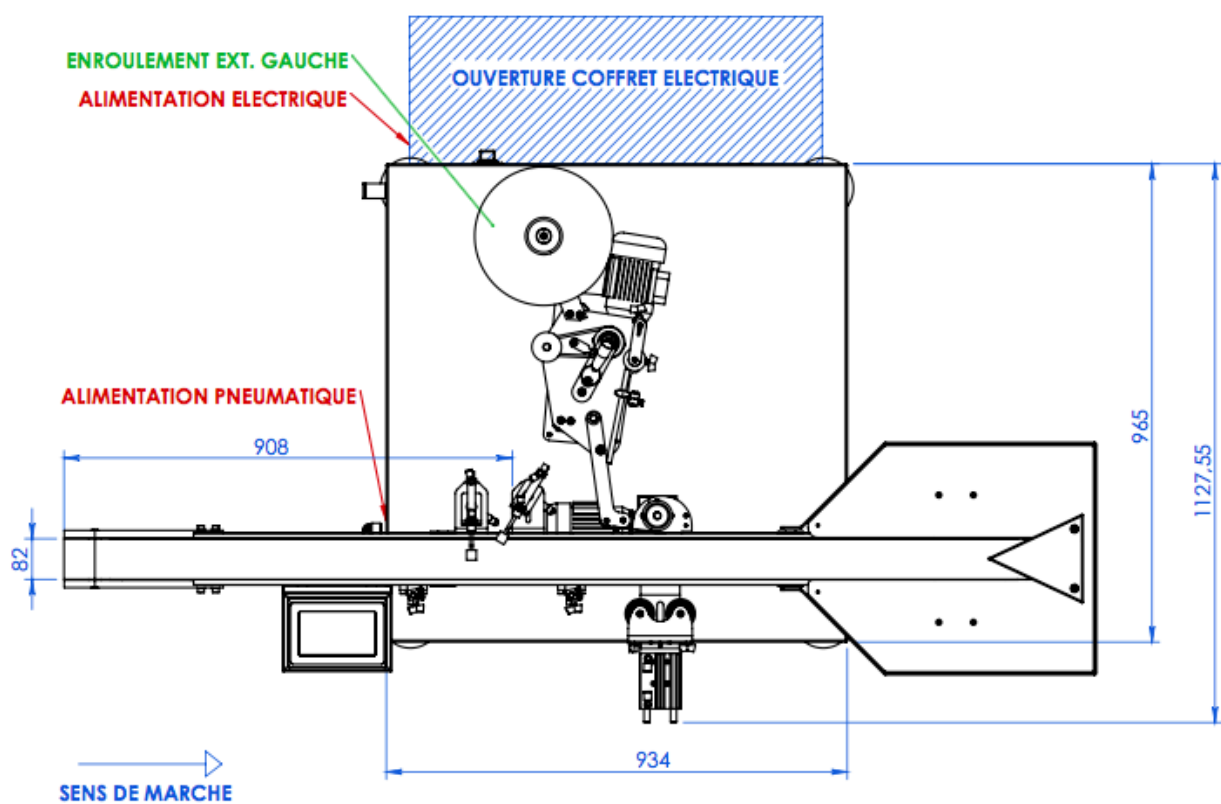
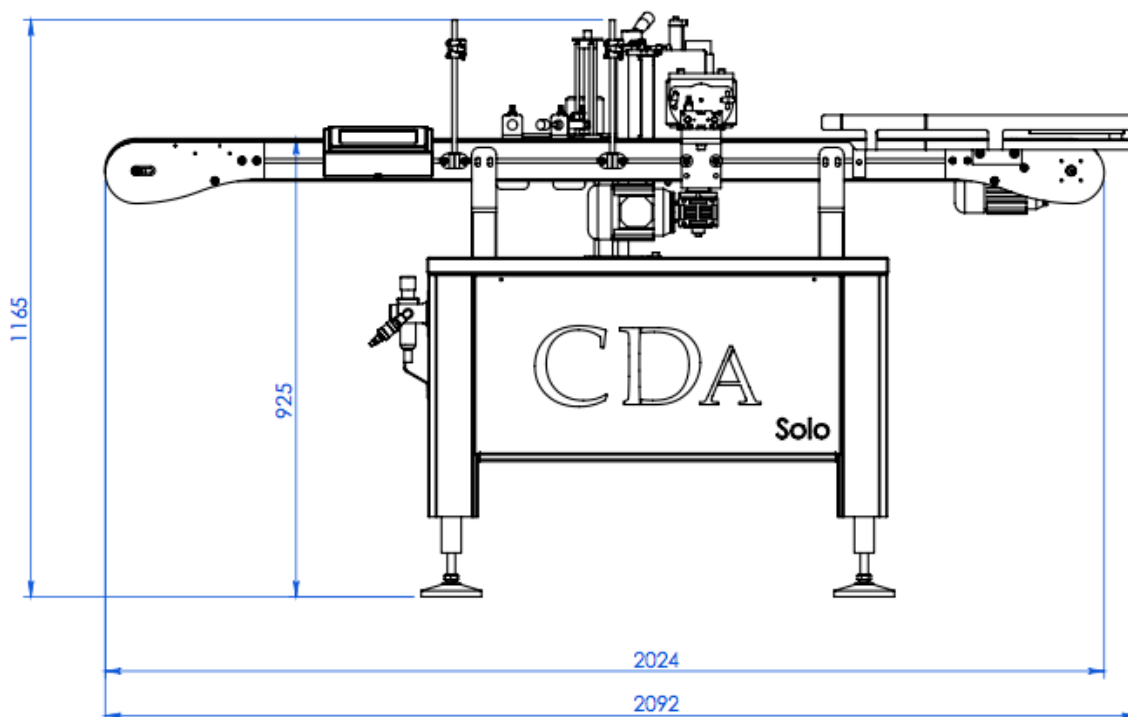
- ▶ Validation zones ;
- ▶ Adjustment settings ;
- ▶ Bottle counter ;
- ▶ Label positioning ;
- ▶ Regulation of production rate and process timing ;
- ▶ Positioning memorizing – 50 positions ;
- ▶ Labelling height adjustment ;
- ▶ Process error detection and diagnosis.



## Options

- ▶ Lot marking with hot foil coder or thermal printer ;
- ▶ A detection cell to apply an additional label on already labelled products ;
- ▶ A notch detection cell to apply and position labels on notched products ;
- ▶ A vision camera to detect designs or shapes ;
- ▶ Additional conveyor length ;
- ▶ A special guiding device for cone shaped bottles ;
- ▶ Inkjet lot marker ;
- ▶ Ultrasonic label detection sensor for transparent labels ;
- ▶ Clutched support plate for heavy label reels ;
- ▶ Alarm light mast to notify dysfunctions ;
- ▶ Sensor to detect the end of the label roll ;
- ▶ Detection sensor to detect a missing label on the product to be labelled.

## Schematic Solo :



*Attention à la hauteur sous plafond et au passage de porte*

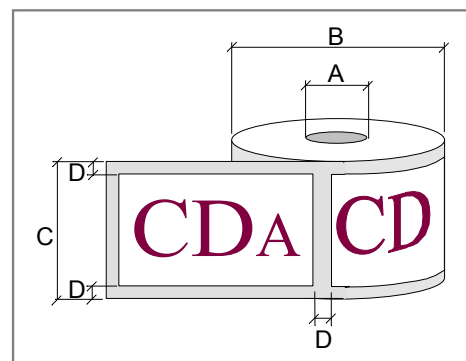
## Winding Direction : LEFT OUT for Front and back labels on cylindrical stations

A - Inside diameter = 75mm

B - Max. outside diameter = 260mm (300 mm on request)

C - Max. band height = 160mm ( higher on request )

D - Space between labels = 3-5mm



Minimal paper quality: 90g.

Nota: The rolls have to be stored in a dry place between 15°C and 18°C.

Machine delivered with EC Standards.



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