



LABELING & FILLING SYSTEMS

Solo

Automatic Labeling Machine

Food Industry - Chemistry - Cosmetic -
Detergency - Painting

Solo Range

Automatic Labeling 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.



According to options, machine outfitted with:

Motorized slate band conveyor

- ▶ Anodized aluminium profile, created by CDA; receiving an acetal slate band conveyor, width 82,5 mm (3.25") ; double conveyor if required by the dimensions of the product to be labeled;
- ▶ Adjustable stainless steel guides, diameter 12mm (1/2"), are adjustable to allow the passage of products up to 110mm (4.3") diameter on single conveyor, 220 mm (8.6") 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 labeled, 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.

Labeling

- ▶ One labeling 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 labeling height;
- ▶ The labeling height is adjusted through the digital display;
- ▶ Standard label height from 8 to 300 mm (1/3" to 6.3") - option up to 300 mm (11.8");
- ▶ Adjustment and memorizing of the label positioning through the digital display.



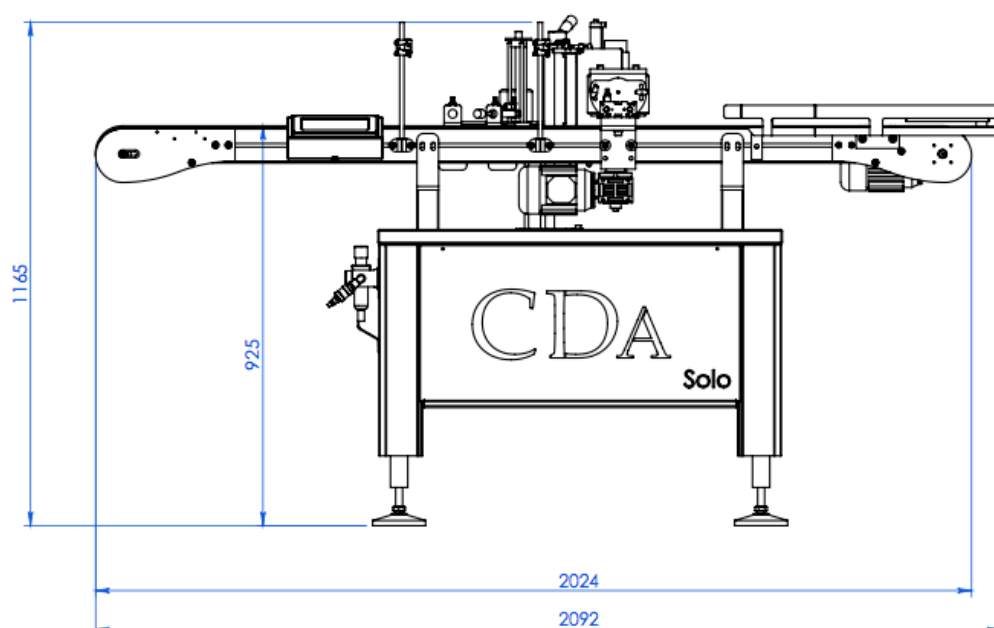
Digital Display

- ▶ Validation zones ;
- ▶ Adjustment settings ;
- ▶ Bottle counter ;
- ▶ Label positioning ;
- ▶ Regulation of production rate and process timing ;
- ▶ Positioning memorizing - 50 positions ;
- ▶ Labeling 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 labeled 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 ;
- ▶ Ink jet 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 labeled.

Schematic Solo :



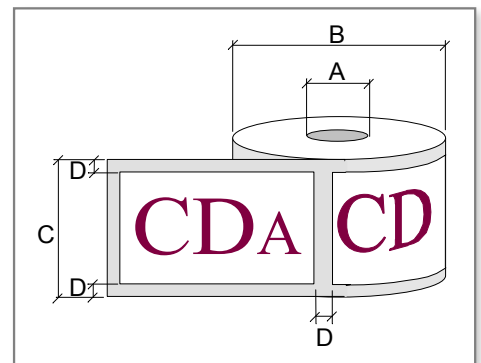
Winding Direction : LEFT OUT for Front and back labels on cylindrical stations

A - Inside diameter = 75mm (2.95 inches)

B - Max. outside diameter = 260mm (10.24 inches)

C - Max. band height = 160mm (6.30 inches) - Higher on demand

D - Space between labels = 3-5mm (0.12-0.20 inches)



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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