CDA
USA

LABELING & FILLING SYSTEMS

Ninon 1500 – 2500 Range

Automatic Labeling Machine

Food Industry - Chemistry - Cosmetic - Detergency - Painting

Ninon 1500-2500 Range

Automatic Labeling Machine

General Description

The machines from the Ninon 1500/2500 range provide a labeling application versatility on a large panel of cylindrical and conical products for a cadence up to 50 products/minute.

Motorized slate band conveyor

▸ Anodized aluminum extrusion, created by CDA; receiving an acetal slat band chain conveyor, width 82.5 mm (3.25''); if required by the size of the products 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, 220mm (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 large rotating accumulation table, Ø 700mm (27.56''), is built at the outlet of the conveyor to recollect the labeled products

▸ A transfer system is built at the end of the conveyor.

Labeling

▸ One labeling station to apply labels on cylindrical products including:

  – One label dispenser for front labels

  – One label dispenser for back labels

  – One label dispenser for a third label.

▸ 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 160mm (1/3'' to 6.3'') – option up to 300 mm (11.8'')

▸ Machine production rate, front/back label: up to 1,500 products an hour (25/min) according to size and labeling type.

Digital Display

▶ Validation zone;

▶ Adjustment settings;

▶ Bottle counter;

▶ Label positioning;

▶ Regulation of production rate and process timing;

▶ Position memorizing – 50 positions;

▶ Labeling height adjustment;

▶ Process error detection and diagnosis.

Options

▶ Lot marking with hot foil coder ;

▶ 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 detector cell 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.
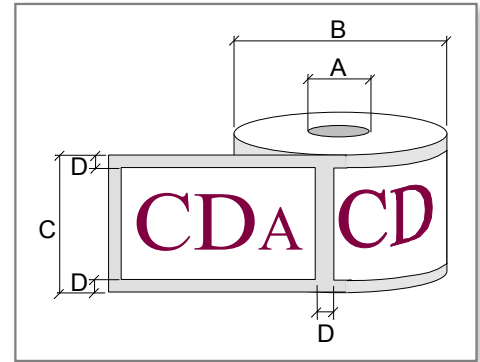
Dimensions of the label rolls

A – Inside diameter: 75 mm (2.95 inches)

B – Max. outside diameter: 260 mm (10.24 inches)

C – Max. band height: 160 mm (6.30 inches)

D – Space between labels: 3–5 mm (0.12–0.20 inches)
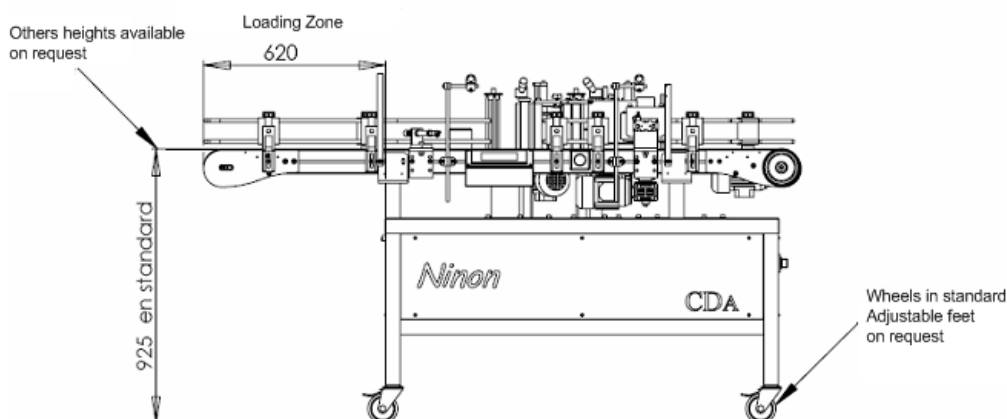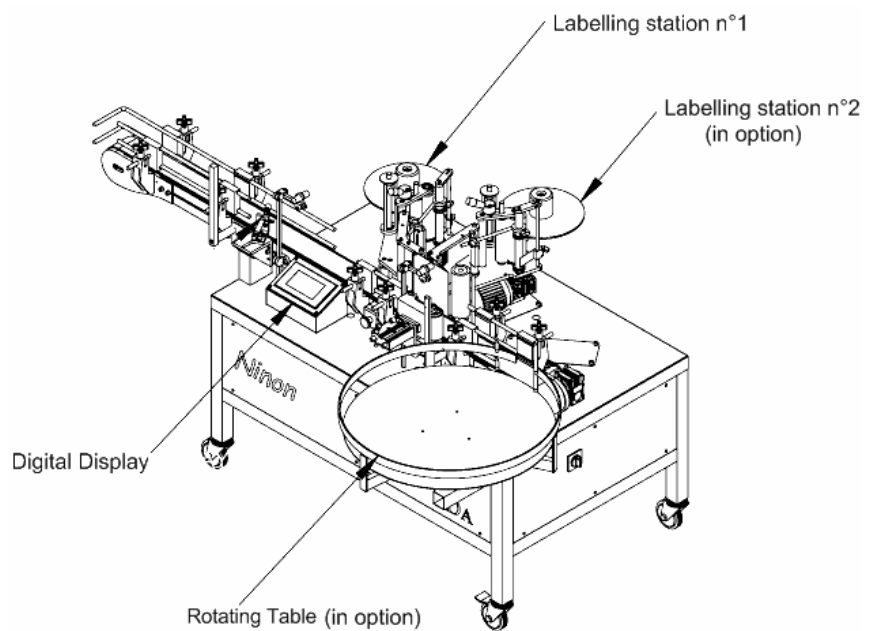
‣ Winding direction : Left Out

Minimal paper quality : 90g (3.17 oz).

Nota: The rolls have to be stored in a dry place between 15°C and 18°C (59°F and 65°F).

Machine delivered with EC Standards.

Non contractual documents.

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