

Technology serving efficiency

Labelling-machine with tactile screen

## Mercure III



The label-applicator MERCURE III is a distribution / capping / adhesive flatbed labelling machine adapted to packaging lines at a rate of 3000 bottles an hour .

Electronic computerised controls and numerous electronic settings allow for optimal use of its potential without halting production .

## TOUCH SCREEN

The touch screen control panel, in addition to making adjustments extremely simple, also enables the data for each type of labelling format to be memorised



Digital operation of the programme from an optical encoder provides reliable, long-term application. It also incorporates a bottle counter – countdown meter and termination of labelling at the end of the label strip (as an option)

## ROTARY 2 HEADED BOTTLE-CAPPER

- Descending capping heads, without mechanical jack, permitting maximum time for capping
- Asymmetric capping movement
- (slow descent – fast ascent)
- Simultaneous adjustment of height, capping heads and cap dispenser with electronic control

## TS8 CAPPING HEADS

- For aluminium, poly-laminate and tin capping
- Chuck in processed steel
- 8 supporting wheel-rods in stainless steel
- 8 dual-material wheels mounted on ball-bearings
- Weight carried by centring rod
- Chuck rotating speed :
  - adjustable from 1700 to 2000 rotations per minute

## CAP DISPENSER

- Horizontal large-capacity magazine
- Container interchangeable for all types of caps
- Centring of bottle-necks by double-clip assuring reliable fitting even on misshapen bottles
- Detection of cork by electronic eye
- Descent of cap to bottle-neck with pneumatic jack
- Adjustment of cap length and diameter by milled knobs



## ELECTRONIC SPEED VARIATION

- Variation of rate from 800 to 3000 bottles per hour
- Assures synchronisation of labelling and capping

## BOTTLE ORIENTATION

- Mechanical orientation from bottle underside
- Optical orientation of already labelled bottles

## LABEL AND BACK-LABEL

- Independent motorised label applicators piloted by specific electronic systems guaranteeing label-to-bottle synchronisation
- Automatic adjustment of label width using fibre optics
- Electronic adjustment of label-application height
- Angular adjustment of applicators for conical bottles (optional)

## THIRD LABELLING STATION

- Enables the application of a medal, a chocker or a taxation strip
- Independent motorisation stations controlled by a specific electronic unit ensuring label/bottle synchrony
- Variable speed drive for label's output
- Electric height-adjustment for the stations
- Angular adjustment on two axes for conical bottles
- Not compatible with the collar station

## FOURTH LABELLING STATION

- Enables the application of a label to the lower part of the bottle

## STANDARD NECK-LABEL APPLICATOR



- Our technique of front label-placement, with stationary bottle, assures unequalled precision, despite bottle-neck's conical shape
- Electronic setting of label-placement height
- System of application by vacuum
- Angular machine adjustment

## THERMAL TRANSFER CODING SYSTEM CODA 4025



- Printing Area 40mm x 25 mm
- Light and efficient, the CODA 4025 allows for the printing of case lot numbers, expiration dates, wine-production dates and logos, on all types of labels
- 153 metre length ribbon
- Temperature control
- Saving-device for pigmented ribbon
- Capacity of transfer ribbon : 153m x 40mm

## CASE LOT NUMBERS BY INCISION



- Functions without ink or ribbon, by incision into paper using brass characters or numbered barrel
- Simple to use and maintenance-free, the ideal system for marking lot numbers
- Embossing area :
- 6 characters of 2.5 mm

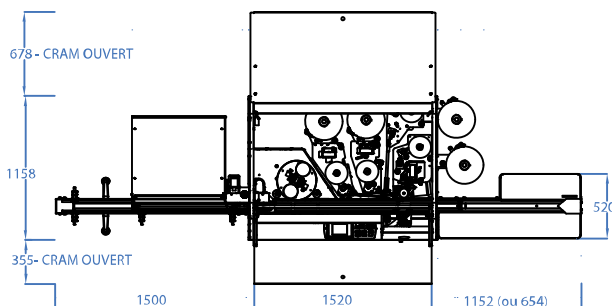


## TECHNICAL DESCRIPTION

- Flatbed for capping and adhesive label application on all types of cylindrical bottles ( 55 to 115 mm )
- Bottle feeder with Archimedes' screw
- 2 headed rotary capping device fitted with TS8 heads with electronic height adjustment Possibility of adaptation of 3 supplementary label applicators
- Application heads on a height-adjustable support with electric control via a touch screen
- Label stoppage using fibre optics with automatic locking of label dispenser
- Automatic labelling stoppage at end of label-reels
- Bottle blockage and rotating system with pneumatic jack during labelling process
- Adjustment of the positioning of the labels on the touch screen enabling the settings for each type of bottle and label to be memorised
- Automatic bottle counter-decounter
- Electronic speed variation
- Precision of label application controlled by optical signal
- Maximum front label height 170mm (220mm on demand)
- Flatbed for installation, mounted on 4 feet, construction in 100% stainless steel, with safety protection conforming to EC standards  $\text{CE}$
- Modular conception . The machine can be fitted with any optional equipment during construction or at any moment on customer's demand

## MAXIMUM RATE

- 3000 bottles per hour
- 1700 bottles per hour with chuck
- 2200 bottles per hour with adjustment from underside



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## TECHNICAL CHARACTERISTICS

- Electronic feeding : 380 volts  
3 phase + neutral + earth
- Power from 3 to 5 KW
- Pneumatic feeding : 5m<sup>3</sup>/ H at 7 bars  
( 20m<sup>3</sup>/ H with cap dispenser )
- Weight : 580 kg

## TECHNICAL DATA FOR MANUFACTURE OF ADHESIVE LABELS AND FOR CAP DIMENSIONS

### Labels and back-labels :

- Roll exterior : 300 mm
- Chuck : 76 mm
- Interior coiling
- Front left-side uncoiling

### Neck-label :

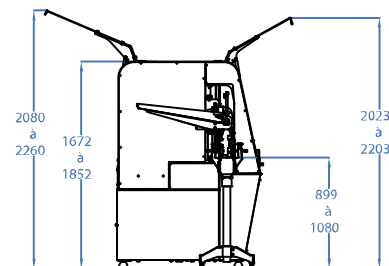
- Roll exterior : 180 mm
- Chuck : 76 mm
- Exterior coiling
- Front foot uncoiling

### Cap dimensions :

- Ø Max : 36 mm
- Ø Min : 28 mm
- Max. length : 70 mm.

## OPTIONAL FITTINGS

- Back-label
- Standard neck-label
- Medallion
- Fourth labelling unit
- Thermal application of shrinking caps
- Cap dispenser
- Inclining of applicators for conical products
- Adjustment of bottles with badges
- Optical orientation
- Case lot number marking
- Label printing
- Bottle conveying



Your local distributor office :

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