

Efficiency and simplicity of labelling
Self-adhesive labeller with digital control

Gaia II



The labeller GAIA PRO, through its technology, combines a simplicity of control with an irreproachable quality of work for all cylindrical, conical and square products. Its digital control gives this labeller an unequalled precision in label placement. Thanks to its many accessories, the GAIA PRO adapts perfectly to all your productions (up to 40 products / min).

CONTROL BOARD

The control board with digital display permits, apart from an extreme simplification in adjustments, the memorization of data relating to each labelling type. The programme's digital functioning with optic coder guarantees a long-lasting reliability in attachment precision. It incorporates a bottle counter-reverse counter, and a labelling stop at the end of label reels.

ASYMMETRICAL CAPPING AND TS8 ALBAGNAC CAPPING HEAD

- Asymmetrical movement (slow descent – fast ascent)
- Mechanical adjustment of centralised capping height
- TS8 capping head
- Chuck in processed steel
- 8 Supporting wheel rods in stainless steel
- 8 dual-material wheels mounted on ball-bearings
- Weight on central rod

CAP DISPENSER

- Inclining magazine of large capacity
- Centring of bottle-neck by double pliers assuring reliable fitting, even on misshapen bottles
- Detection of cork by electronic eye
- Descent of cap to bottle-neck by pneumatic jack
- Cap-length adjustment to one millimetre
- Centralised height adjustment with capping

BOTTLE ORIENTATION

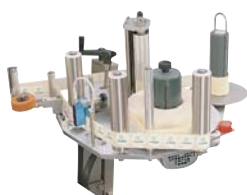
- Mechanical orientation from bottle underside
- Optical orientation of already labelled bottle



LABEL AND BACK-LABEL STATION

- Independent motorised applicators piloted by electronics guaranteeing label to bottle synchronisation
- Automatic control of label widths using fibre optics
- Mechanical setting of label-placement height
- Angular adjustment of applicators for cone-shaped bottles

THIRD LABEL-STATION



- Medallion or neck label placement
- Independent motorised applicators piloted by electronics guaranteeing label to bottle synchronisation
- Variation of bottle speed rate
- Mechanical setting of label attachment height
- Angular adjustment on two axes for cone-shaped bottles

FOURTH LABEL STATION



- Enables the application of a label to the lower part of the bottle
- Max. label length : 70 mm

BOTTLE ORIENTATION

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

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 : 153 m x 40 mm

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

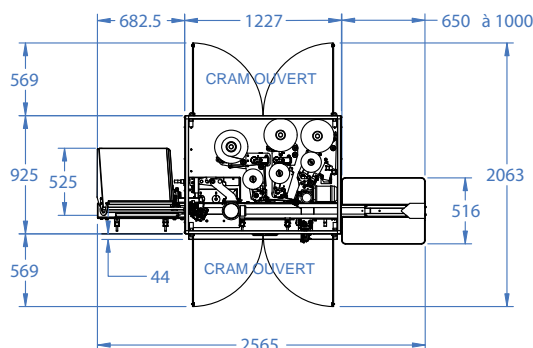


DESCRIPTION AND CHARACTERISTICS

- Permits attachment of front labels on cylindrical or conical bottles (0.55 up to 115 mm)
- Possibility of adaptation of 2 or 3 supplementary label stations
- Asymmetrical capping movement with centralised adjustment of capping heights and cap distribution
- Bottle-centring by star and back-star
- Independent attachment head with height and mechanical inclining adjustment
- Label stoppage using fibre optics with automatic locking of label dispense
- Automatic labelling stoppage at end of label reel
- Bottle blockage by pneumatic rotating system during labelling
- Operational adjustment in labelling phase by digital display control permitting control storage related to each type of bottle and label
- Automatic bottle-counter down-counter
- Machine mounted on 4 feet, integral construction in stainless steel, with safety protection conforming to CE standards.
- Modular conception. The machine can be fitted with any optional equipment during construction or at any moment on the customer's demand.

TECHNICAL CHARACTERISTICS

- Electric supply : 380 volts 3 phase + neutral + earth
- Electric current : 2.5 Kw (depending on equipment)
- Pneumatic supply : 5 m³/ H to 7 bars (20 m³/ H with cap dispenser)
- Weight : about 340 kg (depending on equipment)



RATE

- 1400 bottles per hour
- From 800 to 1800 bottles per hour with speed variation

TECHNICAL DATA FOR MANUFACTURING OF ADHESIVE LABELS AND CAPS

Labels , back-labels and medallions :

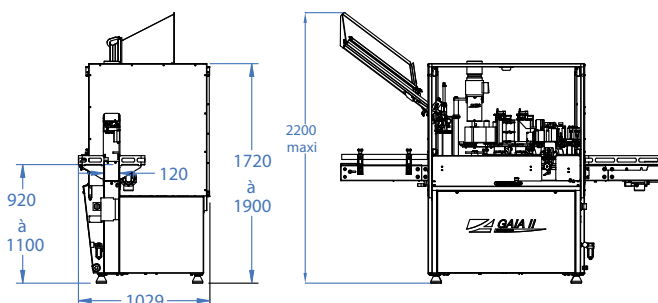
- Ø Exterior roll : 300 mm
- Ø Inner roll : 76 mm
- Interior coiling
- Front left-side uncoiling
- Maximum height for label 1 & 2 : 170 mm (220 or 300 mm on demand)

Cap dimensions :

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

OPTIONAL FITTINGS

- Back-labels
- Standard collar station or third label station
- Fourth label station (strip)
- Electronic speed variation
- Capping with TS8 wheels
- Thermal application of shrinking caps
- Cap dispenser
- Mechanical orientation from bottle underside
- Optical orientation
- Case lot number marking
- Printing of labels
- Entrance conveyor
- Large capacity out-feed table
- For all specific labelling : contact us



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