



Acmi



**Omnia
Technologies**
Enabling Evolution

FLEXIKUBE

The medium-speed labeler
for multiple decorations

The FLEXIKUBE family machines are modular
labelers suitable for cylindrical and shaped
containers made of glass, metal, or plastic.

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The medium-speed labeler for **multiple label decorations**

THE FLEXIKUBE FAMILY MACHINES ARE MODULAR LABELERS SUITABLE FOR CYLINDRICAL AND SHAPED CONTAINERS MADE OF GLASS, METAL OR PLASTIC.

FLEXIBILITY

Possibility to decorate the same container with one or more labels of the same technology or with a combination of different labelling technologies: cold glue, rollfed, adhesive and hot melt.

Moreover, FlexiKube machines can **easily be installed in various configurations**, depending on the space available. Outstanding machine design allows installation on both new and existing production lines.

EASE OF SETTING

The **operating parameters of the labeling unit can be changed directly from the control panel.**

ERGONOMIC DESIGN

The **excellent accessibility to the main carousel and to the labelling stations** allows to reduce the changeover time, ease of cleaning and maintenance, have easier access to the infeed screws and safely operate and perform activities.



30.000 cph
Max. speed

MAIN FEATURES

- **High-output labeling precision**
- **Ergonomic** for unrestricted access to all machine parts, thus ensuring easy size changeovers and faster maintenance
- **Quick, flexible label changeovers**
- Can handle any label type
- **Suitable for both paper and plastic labels**



Machine options



Camera-based bottle positioning and applied label quality controls, suitable for the orientation of the bottle according to logos, seams, handles position

System fully integrated with labeller HMI for set-up and monitoring: quick changeover, data and alarms

- **100 % ACMI know how**
- **Remote assistance**
- **High precision and repeatability of results**

Machine check for:

- Label presence
- Correct position
- Overlap accuracy
- Correct graphics
- Labeling defects



Integrated coders: no extra-space needed, product safety and user-friendliness

- **Full capability to integrate**, without any additional space required, any commercial coder available on the market
- **Programming and controlling** integrated into the labeller HMI



Universal changeover parts: cost, maintenance and stock savings

- **Starwheels at variable geometry** to cover a wider range of bottle diameters
- **Universal infeed screw** for round containers and for different container diameters
- Less bottle change parts to **reduce the changeover time**



Self adhesive labeling station

- **Motorized label feed unit** and liner rewinder
- Sensors to **check for broken film** and label reel end (programmable)
- **Reel stand capacity** for max. 380 mm reel diameter
- All **parameters integrated on the machine program**, viewable from the main operator panel
- **Push-Pull system** for better label control: less stress on label and high accuracy. The same roller feeds the labels to the dispenser plate and recovers the web
- **High precision:** ± 1 accuracy at dispensing plate
- **Speed** up to 80 meters/minute



SELFADHESIVESTATION OPTIONS

- In Master & Slave configuration: **Zero downtime** and **no speed reduction** when the machine switches from the first to the second labelling unit
- **Automatic positioning:** user-friendliness and time savings
- **Double reel stand:** faster changeovers and time savings thanks to pre-positioning of the second reel
- **Thermaltransferprinting** of date, codes, information and barcodes on labels: product traceability



Cold glue labeling station

- **Compact footprint**
- Can process a wide **range of different labels**
- Cold glue labeling station variants for **different speeds and label lengths**
- Excellent **visual control** of all labeling unit components and the labeling process
- **High-efficiency servomotor main drive**
- **Double profiled cam to obtain smooth, precise glue segment movements.** Hardened gears for durability, high application precision and repeatability over time



COLD GLUE STATION OPTIONS

- Special configurations to apply tax strip seals on containers: I, L, U-shaped tax stamps
- **Double glue scraper** to apply two labels on the same labelling unit allows different glue thicknesses when using different label types and materials. **The two glue scrapers are adjusted with a separate micrometer screw.**
- **Stainless steel Glue roller** in combination with rubber-coated pallets
- **Labelling station adjustments** – all adjustments can be motorized and pre-set for a faster and more accurate changeover
- Tax strips from the top



Roll-fed labeling station

- **Compact** and ergonomic design to ensure easy access to all components for fast changeover and an excellent **visual control** of all labeling unit components and the labeling process
- Better accessibility and lighter pieces allow an **easier format change**
- **Faster and more precise adjustment**
- **Cutting unit with servo motor** for high performance and precise cut
- Unwinding speed controlled by servomotors for increased performance and better control label tension
- **Possibility to handle thin labels or reduced label heights**
- Self-alignment of label ensures high labelling quality



ROLL-FED STATION OPTIONS

- **Second reel stand:** better performance and changeover time savings
- **Automatic splicing:** non-stop production and improved performance
- **Fume evacuation system:** operator safety
- **Extractable guide:** the labelling station is installed on an extractable guide in order to be totally accessible to the operator



Hot melt labeling station

- A clean, **high-performing system** optimizes the glue quantity and increases productivity
- **Precise and minimized glue placement**
- Closed glue circuit **with no external contamination**
- **Contactless glue application**
- **Overlap adjustment during machine operation**
- **Low maintenance**
- **Low glue consumption** (-30% compared to the traditional machines equipped with a glue roller)
- **Pneumatic or electric gun** for glue spots on the container
- **Spreader for vertical strip glue on the trailing label edge**



HOT MELT STATION OPTIONS

- **Partial labels**
- **Adjustable glue spreader able to adjust the height of the adhesive strip, according to the height of the label**
- **Faster changeover** by adjusting the slot height
- **Big-bottle configuration**



AVS ACMI Vision System

Each ACMI labeller can integrate a camera vision system for the containers orientation and for the labelling inspection. ACMI's continuous innovation has introduced new developments that make orientation even more detailed and precise, working on any target such

embossed logos, predecorated surfaces, moulds seams. Thanks to new dedicated image acquisition units, the inspection system is able to identify very small defects, to achieve QR and barcodes, to perform OCR, and to collect statistics.



Continuous support throughout the working life of the machine

Being able to count on consultancy and support from the ACMI Global Network provides further guarantees for customers, ensuring they get the most out of their investment in ACMI technology for the entire lifespan of the machine or

plant: all thanks to the trust that stems from close relations with customers, and meticulous attention to maintenance of the productive assets that are vital to a return on investment.



