

Acmi



**Omnia
Technologies**

Enabling Evolution

FLEXIOPERA

The medium-high speed labeler
for multiple decorations

The FLEXIOPERA machine family consists of modular heavy-duty design labelers suitable for cylindrical and shaped containers made of glass, metal or plastic.

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THE FLEXIOPERA MACHINE FAMILY CONSISTS OF MODULAR HEAVY-DUTY DESIGN 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, roll-fed, adhesive and hot melt.

Moreover, FlexiOpera 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

PLUG & PLAY SOLUTION

Our Technology gives the possibility to considerably **reduce the size of the machine** and at the same time take advantage of a **simpler installation** within new or existing lines.

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.

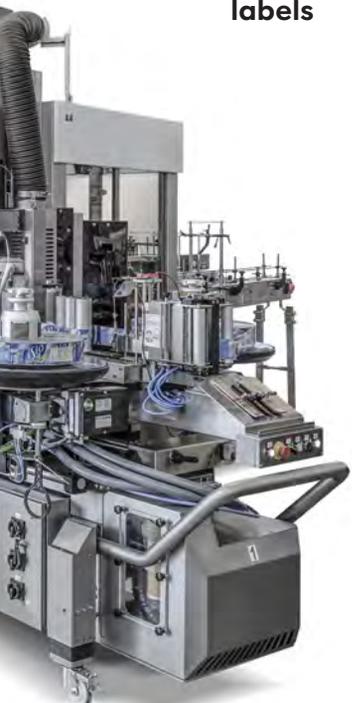


81,000 bph

Max. speed

MAIN FEATURES

- **High-output labeling precision**
- **Ergonomic** for unrestricted access to all machine parts, 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

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

- 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



Layout configurations

FlexiOpera adapts the layout to any customer requirements:

- In line configuration
- Three stars configuration
- Four stars configuration



Self adhesive labeling station

- **Brushless motorized label feed unit** and liner rewinder
- Sensors to **check for broken film** and label reel end (programmable)
- **Reel stand capacity** for max. 400 mm reel diameter
- All **parameters integrated on the machine program** and displayable on the main operator panel
- Separate Push-Pull system and air buffer for better label control: less stress on label and high accuracy. Two separate rollers feed the labels to the dispenser plate and retrieve the web
- Automatic splicing at full speed for maximum productivity: no machine stoppage at the end of the reel, no production interruption and greater machine availability
- Air buffer for Highly efficient feed and tension system and high speed application
- Precision: ± 0.5 accuracy at the dispensing plate
- Speed up to 150 meters/minute



SELFADHESIVE STATION OPTIONS

- **Double automatic splicing system for reels with labels and liner reels**
- 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**
- **Thermal transfer printing of date, codes, info and barcodes on labels: product traceability**



Cold glue labeling station

- Durable heavy-duty construction
- Fully stainless steel labeling station frame as option
- **Double-profiled cam to obtain smooth, precise glue segment movements.** Hardened gears for durability, high application precision and repeatability over time
- Can process a wide **range of different labels**
- Excellent **visual control** of all labeling unit components and the labeling process
- **High-efficiency servomotor main drive**



COLD GLUE STATION OPTIONS

- Automatic pre-cut label magazine loading system (up to 6 magazines) Up to 40.000 labels, for increased uptime
- **Special configurations to apply tax strip seals on containers: I, L, U-shaped tax stamps**
- **Tax strips applied from the top by vertical labeling station**



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
- Long life of the blades - service life up to 200.000.000 cuts



ROLL-FED STATION OPTIONS

- High speed and reliable automatic splicing - speed up to 30.000 bph.
- Continuous overlap adjustment
- Detachable spindles
- Fume evacuation system: operator safety
- Negative spin available
- Dual labeling station for ultra high-speeds



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
- 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 for big bottles
- Continuous glue spreader adjustment: flexible operation



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 bar-codes, 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.



