



Quality is an Attitude

About us

Modularity, flexibility - Always.

The thirty years' experience of its founders, a dense international sales network, punctual pre- and after-sales service, and unrivalled operational flexibility.

This is MAKRO.



Today, Makro, thanks to the development of an extensive network of agencies, representatives and direct branches, is close to its customer companies both in Europe and overseas, and is therefore able to guarantee technical support and spare parts supply quickly all over the world. Our challenge today is to combine technological, mechanical and electronic innovation with environmentally friendly, energy-saving production that can effectively realise the idea of a more sustainable development economy.

Sectors



Food

Beverage: Includes alcoholic and non-alcoholic beverages, with trends towards healthier and more sustainable products, such as organic beverages and low sugar content.



Beverages

Food: Includes production and distribution of fresh and fresh and packaged food, with an increasing focus on organic, plant-based and sustainable food.



Beer

Beer: Expanding sector thanks to the boom craft beer boom and the preference for high quality high-quality, often low-alcohol beers.



Wine & Spirits

Wine & Spirits: Wine and spirits, with emphasis on quality, provenance, tradition and innovation, particularly in packaging and sustainability.



Home & Personal Care

Home & Personal Care: Products for home cleaning and personal care, increasingly eco-friendly and oriented towards well-being and the reduction of environmental environmental impacts.



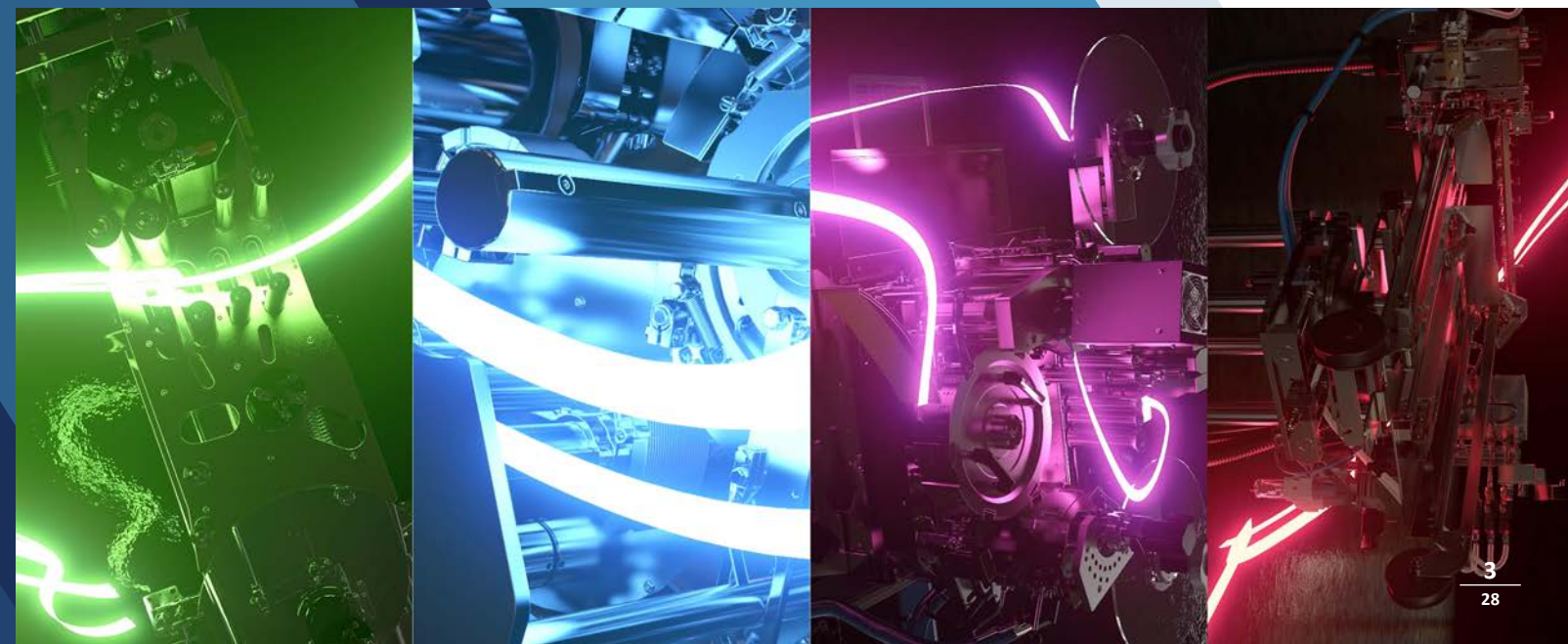
Chemical & Pharmaceutical

Pharmaceutical: Medicines and medical devices with innovation focused on biotechnology and personalised therapies as well as sustainability in production.



Oil & Vinegar

Oil & Vinegar: High quality edible oils and vinegars, often organic or PDO, with increasing attention to sustainability and reduction of environmental impacts.



MAK-Line

MAK-Linear up to 2 fixed modules

The MAK-Linear labelling range offers high-performance and safe machines with a very high level of labelling quality.



Self Adhesive

The MAKLINE self-adhesive linear labeller is dedicated to the beverage, food, home & personal care and pharmaceutical industries. Thanks to its format flexibility it is adaptable to large and small containers and guarantees the direct application of up to 2/3 elements per bottle, with fast format change and maximum production flexibility combined with high labelling quality.

Modello	Velocità di produzione b/h	Diametro Ø	Stazioni
MAK-LINEAR ADH	2.000 - 6.000	-	1 - 2
MAK-LINEAR CG	500 - 3.000	-	1
MAK-LINEAR ROLL	3.000 - 16.000	-	1

Cold Glue

The MAK cold glue linear labeller is dedicated to the beverage and food sectors.

Thanks to its flexibility in terms of formats, it can be adapted to large and small containers and guarantees the direct application of up to 2/3 elements per bottle, with fast format change and maximum production flexibility combined with high labelling quality.



Roll-Fed

This is the linear labeller dedicated to the water and soft drinks production market. Thanks to its motorised axes and brushless motors, it guarantees a very high level of labelling quality. Performing and safe, it is also able to minimise costs and maximise production speed between 6,000 and 16,000 bph.

MAK-AD

MAK-Rotary up to 5 fixed modules

Model	Production speed b/h	Diameter Ø	Platforms	Stations
MAK-01	3.500 - 11.500	520	4 up to 12	1 up to 3
MAK-02	6.000 - 18.000	780	6 up to 18	1 up to 4
MAK-03	8.000 - 24.000	1040	8 up to 24	1 up to 5



Features

MAK Rotary labellers with fixed modules are intended for companies that do not require high production speed.

These machines always maintain the specific features of Makro Labelling technology, and are equipped with mechanical or electronic rotation of the bottle platforms.

They are fitted with a door enclosure system mounted directly on the frame, making the footprint compact.



SLIM 50 adhesive station

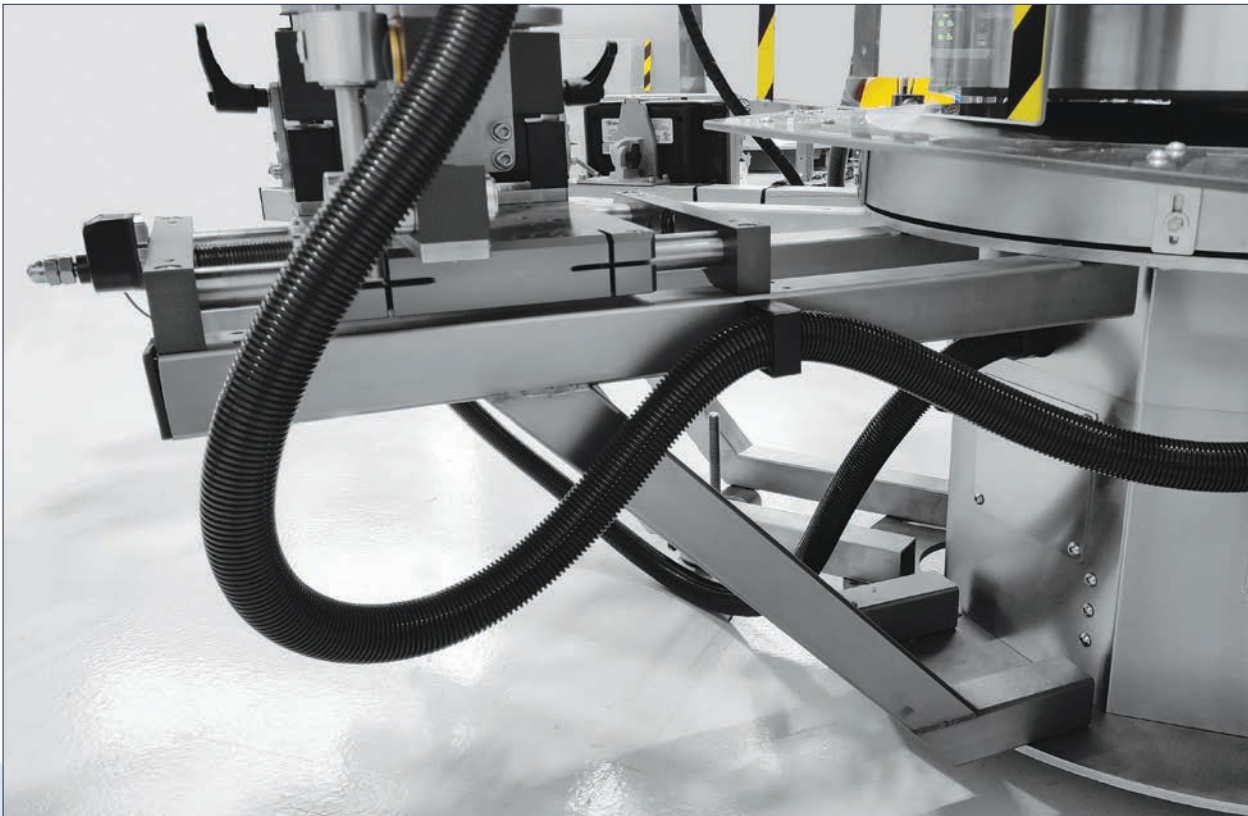


SLIM 85 adhesive station

SLIM 50 and SLIM 85 self-adhesive labelling stations, ideal for medium/low rates of production, guarantee high production efficiency and rapid assembly of label reels and require low maintenance.

Complete management takes place through touch panels, offering intuitive control to optimize production and obtain outstanding results.

Station	Production speed M/MIN	Reel Ø	Labelling machine model
Slim 50	50	300	MAK-01/02
Slim 85	85	400	MAK-01/02
Slim 100	100	400	MAK-02/03



Adhesive unit fixing example

MAK-AD

MAK-Rotary up to 5 removable modules

For small businesses wanting the modularity of Makro Labelling machines, the MAK rotary removable category (up to 5 stations) offers the compact size of the MAK Rotary fixed but with all the benefits of modules, making maintenance work easier for the operator.

They are controlled entirely through touch panels, with intuitive control to optimize production and obtain outstanding results.



Labelling machine model	Production speed b/h	Diameter Ø	Platforms	Stations
MAK-1	3.500 - 11.500	520	4 up to 12	1 up to 3
MAK-2	6.000 - 18.000	780	6 up to 18	1 up to 4
MAK-3	8.000 - 24.000	1040	8 up to 24	1 up to 5

Details

The module on the labelling station around the main carousel may be FIXED or REMOVABLE, hooking and unhooking directly onto the touchscreen panel.



PNEUMATIC connection of removable modules (Optional)



Features

SLIM 50, SLIM 85 and SLIM 100 self-adhesive labelling stations, ideal for medium/low rates of production, guarantee high production efficiency and rapid assembly of label reels and require low maintenance.

Station	Production speed M/MIN	Reel Ø	Labelling machine model
Slim 50	50	300	MAK-1/2
Slim 85	85	400	MAK-1/2
Slim 100	100	400	MAK-2/3



SLIM 50 adhesive station



SLIM 85 adhesive station

MAK-AD

MAK-Rotary up to 10 removable modules

Labelling machine model	Production speed b/h	Diameter Ø	Platforms	Stations
MAK-4	10.000 - 40.000	1350	10 up to 40	1 up to 6
MAK-5	12.000 - 48.000	1560	12 up to 48	1 up to 6
MAK-6	16.000 - 55.000	1800	16 up to 40	1 up to 7
MAK-7	16.000 - 55.000	2160	20 up to 50	1 up to 8
MAK-8	16.000 - 55.000	2340	24 up to 54	1 up to 10



Medium to large labelling machines for high production speeds, integrable with multiple applications and the non-stop system. Large carousel size allows the labelling machine to achieve particularly high production speeds (up to 50,000 b/h). Large size ensures that the operator works in perfect comfort, safety and practicality, facilitating machine cleaning operations. There is plenty of space for addition of pre-unwinders onto the self-adhesive labelling unit to permit non-stop production.

High-speed adhesive stations

Makro Labelling’s self-adhesive labelling units, including the patented MAK AHS2 module, were created to meet the need to increase the performance of existing machines in terms of speed and precision and represent a real revolution in the labelling sector. Thanks to the unique paper delivery system, patented by the company, which doubles the distance covered by the label in the acceleration ramp, the MAK ASH2 guarantees a linear speed of 100 meters per minute with label pitches of 20 mm. To reduce the force that the pulling motor has to deal with, label roll motorisation has also been added which uses a rubber-coated roller to directly pull the paper: this solution is essential for obtaining excellent motor speed stability during production and maintaining full stability of the mechanics and the labelling process as a whole.

Station	Production speed M/MIN	Reel Ø	Labelling machine model
Slim 85	85	400	MAK-4 / 5 / 6
Slim 100	100	400	MAK-4 / 5 / 6 / 7 / 8
MAK-AHS2	140	400	MAK-4 / 5 / 6 / 7 / 8



High-speed adhesive station MAK-HS2

MAK-CG

MAK-Rotary up to 3 fixed modules

MAK Rotary labellers with fixed modules are intended for companies that do not require high production speed.

These machines always maintain the specific features of Makro Labelling technology, and are equipped with mechanical or electronic bottle platform rotation.

They are fitted with a door enclosure system mounted directly on the frame, making the footprint compact. They are controlled entirely through touch panels, with intuitive control to optimize production and obtain outstanding results.



Labelling machine model	Production speed b/h	Diameter Ø	Piattelli	Stationi
MAK-01	3,500 - 6,500	520	4 up to 12	1 up to 3

Stations	Divisions	Labelling machine model
MAK-GS	2/2-3/3-4/4	MAK-01



MAK-GS cold glue labelling station

MAK-GS cold glue labelling units, ideal for medium to low rates of production, ensure high productive efficiency and rapid dismantling of tools for maintenance, making it simple and intuitive for the operator.

MAK-CG

MAK-Rotary up to 3 removable modules

Labelling machine model	Production speed b/h	Diameter Ø	platforms	Stations
MAK-1	3.500 - 14.000	520	4 up to 12	1 up to 3
MAK-2	5.000 - 24.000	780	6 up to 18	1 up to 3
MAK-3	5.000 - 36.000	1040	8 up to 28	1 up to 3



Features

For small businesses wanting the modularity of Makro Labelling machines, the MAK rotary removable category (up to 5 stations) offers the compact size of the MAK Rotary fixed but with all the benefits of modules, making maintenance work easier for the operator. The machine's modularity makes it easy to change the type of production. The module on the labelling station around the main carousel may be FIXED or REMOVABLE, hooking and unhooking directly onto the touchscreen panel. All the cold glue labelling units in the range (MAK-GS MAK-G, MAK-GH and MAK-GLL) ensure high productive efficiency while permitting rapid dismantling of tools for maintenance, making this task simple and intuitive for the operator. They are controlled entirely through touch panels, with intuitive control to optimize production and obtain outstanding results.

Stations	Divisions	Labelling machine model
MAK-GS	2/2 - 3/3	MAK-1 / 2 / 3
MAK-G	2/3 - 3/3 - 4/4 - 4/5 - 5/5 - 5/6 - 6/6	MAK-1 / 2 / 3
MAK-GHS	4/4 - 5/5 - 6/7 - 8/8 - 8/9	MAK-2 / 3
MAK-GLL	4/4 - 5/4	MAK-2 / 3

MAK-CG

MAK-Rotary up to 4 removable modules

Labelling machine model	Production speed b/h	Diameter Ø	Platforms	Stations
MAK-4	9.000 - 40.000	1350	10 up to 34	1 up to 4
MAK-5	9.000 - 40.000	1560	12 up to 40	1 up to 4
MAK-6	9.000 - 24.000	1800	20 up to 32	1 up to 4
MAK-7	9.000 - 26.000	2160	24 up to 40	1 up to 4
MAK-8	9.000 - 26.000	2340	24 up to 54	1 up to 4



MAK-Rotary with double header for seal application

Medium to large labelling machines for high production speeds, integrable with multiple applications and the non-stop system.

Large carousel size allows the labelling machine to achieve particularly high production speeds (up to 50,000 b/h).

Large size ensures that the operator works in perfect comfort, safety and practicality, facilitating machine cleaning operations.

All the cold glue labelling units in the range (MAK-GS, MAK-G, MAK-GH and MAK-GLL) ensure high productive efficiency while permitting rapid dismantling of tools for maintenance, making this task simple and intuitive for the operator.

They are controlled entirely through touch panels, with intuitive control to optimize production and obtain outstanding results.

There is plenty of space for addition of an automatic magazine on the labelling unit to permit non-stop production.

Features

- Modular rotary labelling machines for high production speeds
- High-speed labeling stations model MAK-GHS
- Fast interchangeability between different technology modules
- Ease of maintenance and format changeover

Stations	Divisions	Labelling machine model
MAK-GS	2/2 - 3/3	MAK-4 / 5 / 6
MAK-G	2/3 - 3/3 - 4/4 - 4/5 - 5/5 - 5/6 - 6/6	MAK-4 / 5 / 6 / 7 / 8
MAK-GHS	4/4 - 5/5 - 6/7 - 8/8 - 8/9	MAK-4 / 5 / 6 / 7 / 8
MAK-GLL	4/4 - 5/4	MAK-4 / 5 / 6 / 7 / 8



MAK-GHS station with automatic label magazine

MAK-RL

MAK-Rotary up to 2 removable modules



MAK-Rotary with Double Roll-Fed Station

Makro Labelling developed the MAK Roll-Fed line of rotary labellers especially for markets with high volumes of cylindrical containers and square plastic or glass containers, such as water, beverages and other products.

These labelling machines offer numerous benefits for improving the efficiency of the production process.

The MAK Roll-Fed offers a production speed of 6,000 to 40,000 bottles an hour, guaranteeing maximum economic benefits for the production process.

The roll fed labelling machine is managed entirely through a built-in touch panel, offering intuitive control to optimize production and obtain outstanding results.

A user-friendly interface makes it easy for operators to configure the desired settings and monitor the progress of the labelling process.



Labelling machine model	Production speed b/h	Diameter Ø	Platforms	Stations
MAK-1	6.000 - 16.000	520	8 up to 12	1 up to 2
MAK-2	6.000 - 28.000	780	8 up to 18	1 up to 2
MAK-3	28.000 - 34.000	1040	20 up to 24	1 up to 2

MAK-HM

MAK-Rotary up to 2 removable modules



MAK-Rotary with Hot-Melt Station

Labelling machine model	Production speed b/h	Diameter Ø	Platforms	Stations
MAK-1	6.000 - 16.000	520	6 up to 12	1 up to 2
MAK-2	6.000 - 25.000	780	6 up to 18	1 up to 2
MAK-3	27.000 - 60.000	1040	20 up to 36	1 up to 2

Our MAK Hot Melt solution is specifically designed for applying pre-cut wrap-around labels, both in plastic and paper, on cylindrical, square plastic, or glass containers.

The system ensures excellent performance with precise label application.

The contactless spray system incorporates a smart technology permitting ultra-precise application of glue, eliminating waste.

This optimizes use of the material, cutting production costs while maintaining a clean, efficient working environment.

The glue heating tanks are easily operated and heat up quickly for rapid start-up of production. This saves precious time and allows you to maintain an efficient non-stop production flow.



Roll-Fed

Hot-Melt

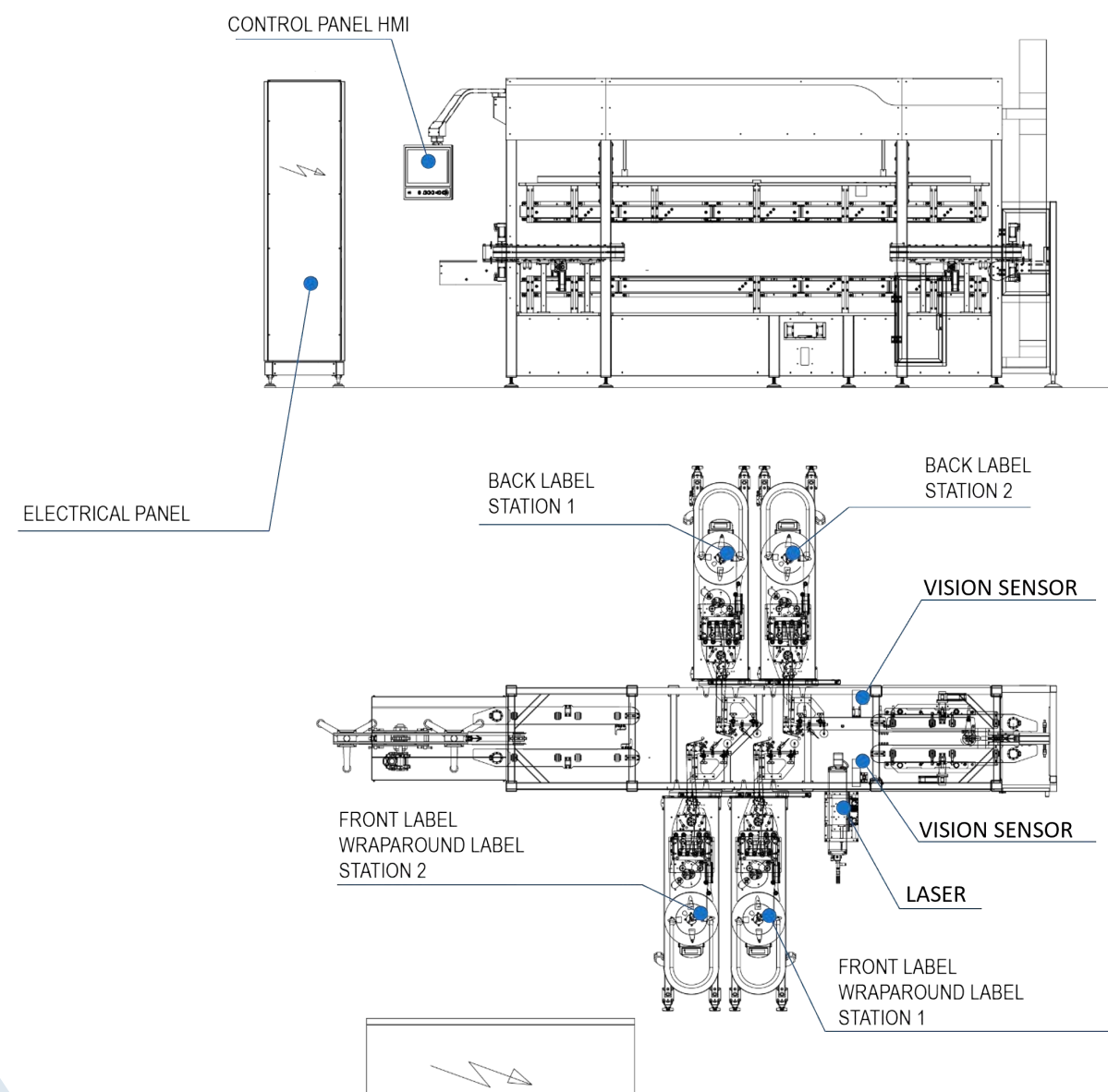


The Cleap concept led to the creation of the new Cleap InLine, which, in addition to high precision and speed labelling, offers the same performance as a rotary machine with the overall dimensions of a linear machine. A considerable advantage is found in the format changeover phase: Intelligent shuttles, which move independently along the track, do not require the replacement of mechanical parts to transport different products, for complete adaptability; therefore, within minutes the operator is ready to resume production thanks to automatic adjustments.



Features

- Extreme smoothness
- Minimum format changeover time
- Absolute versatility thanks to rotating plates that are not present on a standard linear machine
- High speed and positioning accuracy
- Low energy consumption
- Space-saving units (Slim model)



Example layout with machine configuration with 4 stations

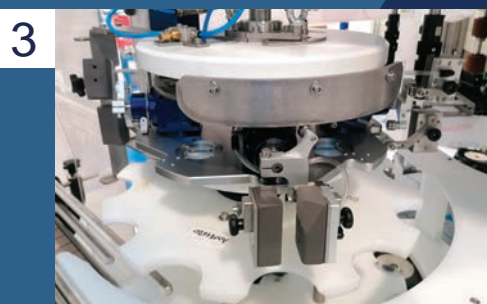
Optional



Input/output configurations



18" control panel



Smoothing grip



Empty container pressurization



Special anti-rotation push cap heads



Puck/Godet platforms



Rejection systems



Universal Starwheel



Automatic axis adjustment



"FOLLOWER" centering system

1. INPUT-OUTPUT CONFIGURATIONS

Our MAK machines can be equipped with double heads to provide efficient seal application using cold glue technology. The many benefits offered by this system include increased speed and precision during the labelling process.

2. 18" CONTROL PANEL

Option to have the 18-inch panel for a wider view and management of machine functions.

3. SMOOTHING GRIP

Our smoothing grips are designed to ensure precise, dependable smoothing of the seals on your products.

We offer various types of grips appropriate for various types of seal on the market, including versions for U, I and L seals.

4. PRESSURIZATION OF EMPTY CONTAINERS

A specialized blowing system is used to ensure a perfect surface for label application on empty PET and HDPE containers.

Heads may be customized to suit different container sizes and shapes.

5. SPECIAL ANTI-ROTATION PUSH CAP HEADS

The cap pressing heads are fitted with an innovative antirotation system to ensure the utmost firm-ness for outstanding precision.

6. PUCKET/GODET PLATFORMS

Our expulsion pads are designed specifically for the containers known as pucks or godets. Every little detail is carefully designed to ensure perfect adaptability and smooth container expulsion during labelling.

7. REJECTION SYSTEMS

Our rejection systems may be used in combination with the MAKRO control system to quickly identify and reject nonconforming packages, minimizing the risk of error and maintaining high standards of quality.

Our rejection systems allow you to separate products on multi-via conveyors for accurate, efficient separation.

8. UNIVERSAL STARWHEELS (for conveying containers)

Our Universal Starwheels are designed to offer outstanding precision conveying your containers du-ring the production process.

They feature a rapid, precise adjustment system for easy adaptation of the device to the specific size of your containers, to guarantee dependable, problem-free conveyance of bottles of any diameter.

9. AUTOMATIC AXIS ADJUSTMENT

Automatic axis control is available for unprecedented flexibility on our labelling stations.

High precision brushless motors permit quick, accurate axis control, positioning the axis in different ways: vertically, horizontally or on an angle.

The system can memorize different settings, which can easily be called up again via the control panel.

10. FOLLOWER centering system

The FOLLOWER is a Makro Labelling patented unit applied to the labelling machine to orient bottles so that labels can be attached in precise positions in relation to a reference already present on the bottle.

It does this using a drastically lower number of sensors (1 rather than 10, for example) than conventional solutions, allowing customers to significantly reduce changeover times. A linear scanning video camera ensures that the image is supplied to the viewing software that analyses it already complete, with no distortion.

raptor

Centering system

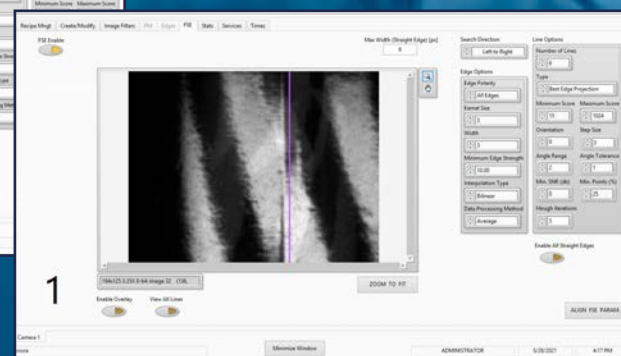
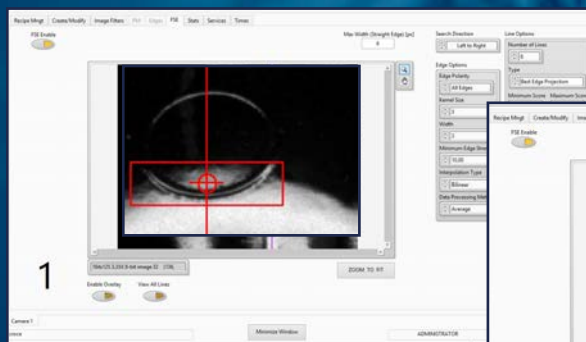


RAPTOR Optical Orientation is an innovative new optical orientation system designed, developed, assembled and installed entirely by Makro Labelling.

The system can use 1 video camera (maximum speed 20,000 bph) or 2 video cameras (maximum speed 50,000 bph).

The system is fully integrated into the machine's main touchscreen.

High video camera resolution combined with rapid, precise data analysis software guarantees precision and high orientation performance.



alice

Control System

ALICE is an advanced control environment for label inspection to determine labelling quality on the machine powered by auto-correction for a perfect placement.

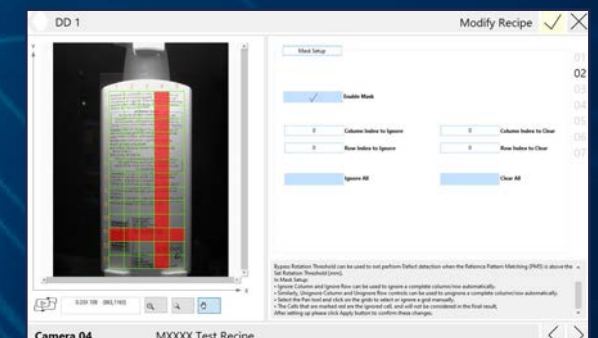
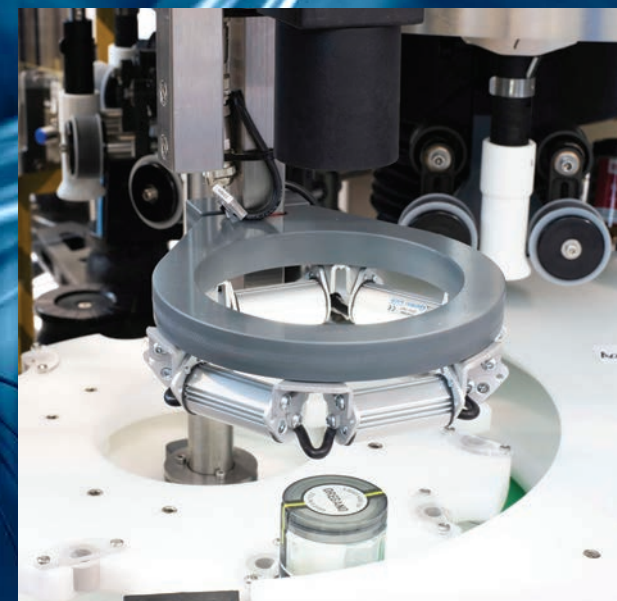
It is a work environment employing advanced software developed entirely by Makro Labelling to analyze images, primarily for the bottling industry.

The software can handle up to 4 video cameras at the same time, controlling the image acquired by each of them at the same time.

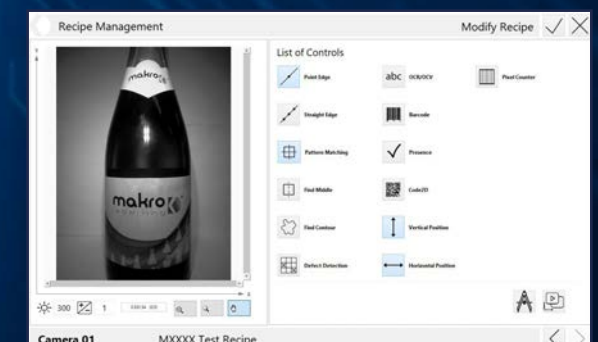


List of available controls:

- Point Edge
- Straight Edge
- Pattern Matching
- Barcode
- Presence
- Code2D
- Vertical Position
- Horizontal Position
- Pixel Counter
- Calibration
- Capture Image
- Find Middle
- Find Contour
- Defect Detection
- OCR/OCV



Label control example



Barcode check example

Complete lines

Makro is able to provide complete bottling and packaging lines tailored to your needs. Our lines offer advanced solutions to meet the diverse requirements of every industrial sector. Thanks to cutting-edge technology and automated processes, we ensure production efficiency, waste reduction, and maximum precision in the packaging of any product.

From material handling to final packaging, our lines guarantee high performance, adaptability, and flexibility to seamlessly integrate with various packaging formats and types. Whether it's beverages, food, or chemicals, we offer customized solutions that increase speed, reduce operational costs, and improve the overall quality of the final product.

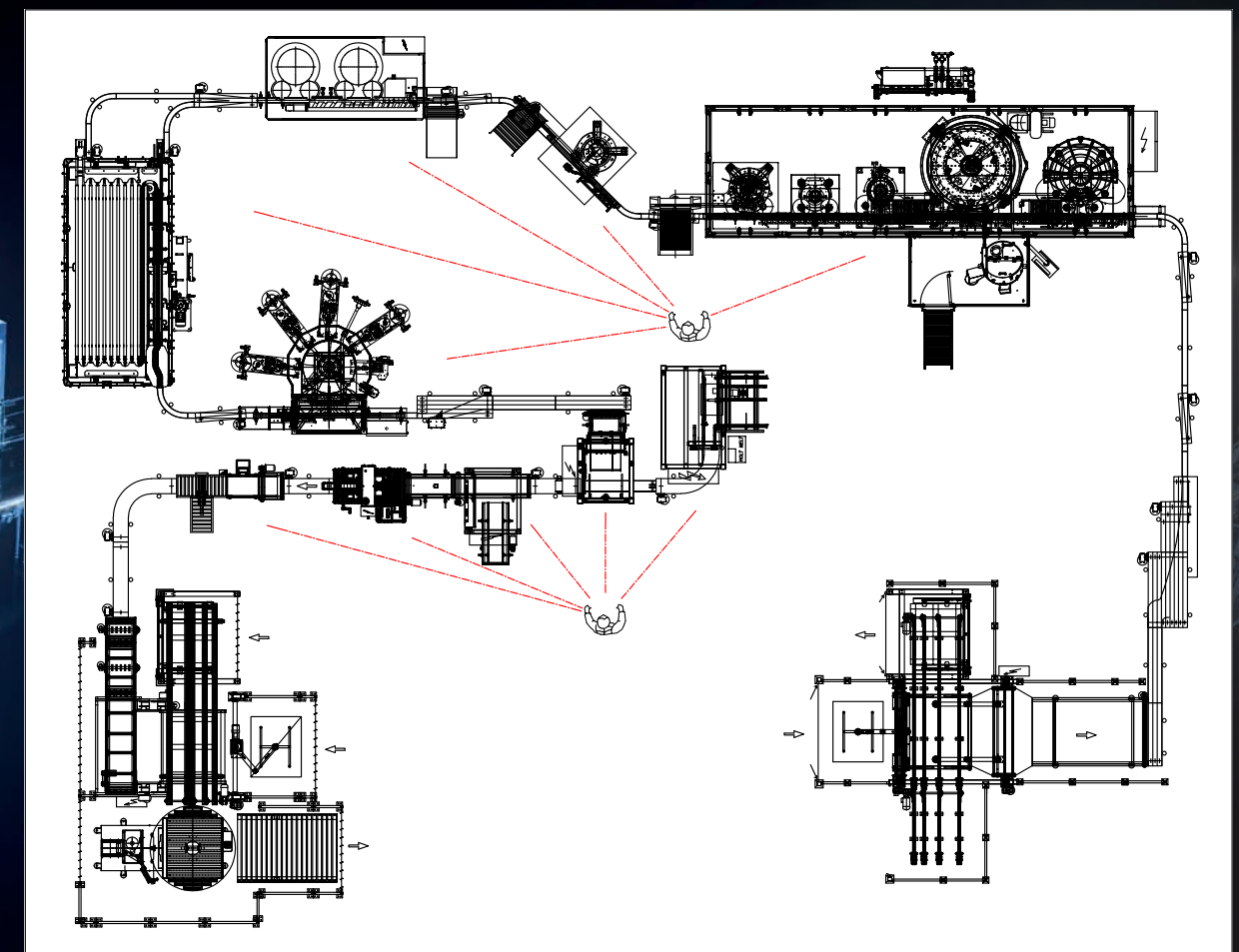
The complete solution

Every line solution developed by Makro begins with an in-depth analysis of the accumulation, distribution, and handling dynamics of the product to be bottled and packaged. This ensures a smooth and consistent production flow, as well as offering maximum operational flexibility of the installed machines.

Since your uniqueness should be a winning asset, our engineering experts combine deep knowledge of key performance factors with design flexibility, to provide solutions that meet your specific needs.

Advantages

- Single point of contact (packaging and production)
- State-of-the-art equipment and technology
- Resource optimization throughout the line's lifecycle
- Innovative packaging design solutions focused on cost savings

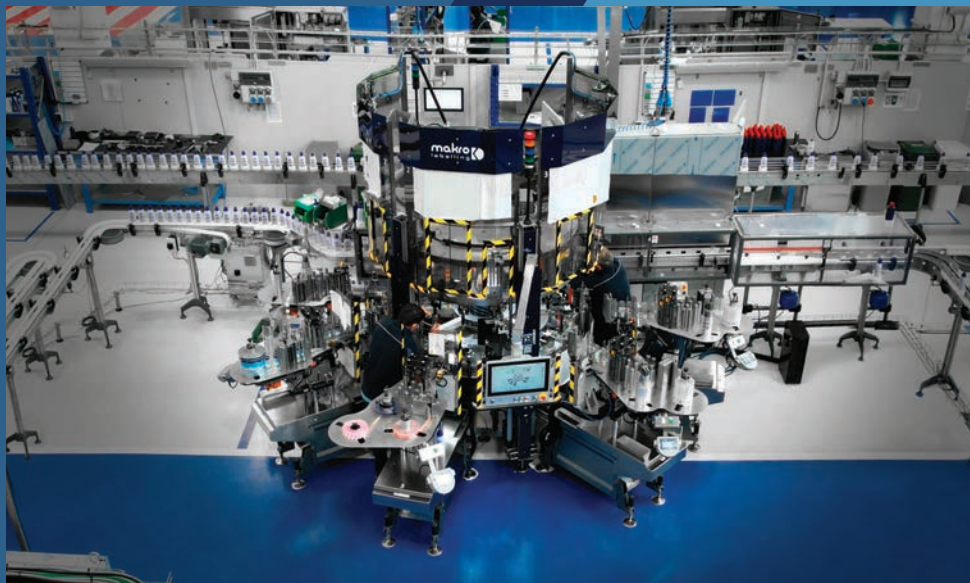


Esempio Layout linea

Makro Service

TECHNICAL ASSISTANCE

Production time is crucial, so Makro helps you improve the availability and productivity of your labelling machine with dedicated experts who are always ready to provide reliable, real-time assistance. Maximize your production uptime by quickly solving any problem with our dedicated support, based on the history of your machine and our technical knowledge.



SPARE PARTS

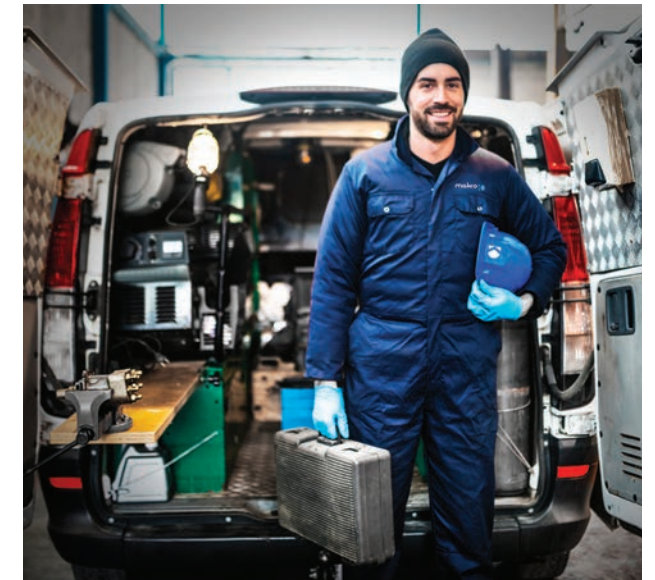
Makro Spare Parts Service is the ideal partner to ensure maximum efficiency and continuity of your labelling machines. With a wide range of high quality parts, we are ready to meet your needs on time, wherever you are in the world.



To better manage the many requests, our staff uses state-of-the-art automatic systems and a very efficient internal organization, which allows us to organize and manage supplies precisely. In this way, you can count on a timely and reliable delivery of the parts you need.

DIAGNOSTIC VISIT

Reduce costs and breakdowns with an optimized maintenance plan based on a map of your needs for spare parts, corrective actions and equipment upgrades. Keep your equipment up and running by optimizing your overhaul with a Makro Labelling diagnostic visit. An in-depth analysis to accurately prepare for your overhaul. During this visit, your machine is analysed at all levels by our certified specialists.



MAKRO GENUINE PARTS

To ensure the best original quality, our parts are designed, tested and certified by the same Makro engineers who designed your machine. And no matter how old your labelling machine is, we can provide you with a complete spare parts solution, including up-to-date versions of older or obsolete parts. So wherever you are, we can increase the value of your labelling machine with increased uptime, reliability, product quality and safety – all at the lowest cost



TRAINING

Makro Training Services are designed to strengthen your team's capabilities and ensure the safety, product quality and efficiency of your labelling machine. From identifying skills to building specific training courses and comprehensive skill plans for your technicians, you can count on our solutions to ensure that your machines operate as efficiently as possible. Operating procedures and description of the machine.





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