

SIDEL EVODECO LABELLING SOLUTIONS

DESIGNED FOR TOTAL FLEXIBILITY, OPTIMISED FOR UNMATCHED PERFORMANCE



*Performance
through
Understanding*



ONE LABELLING PORTFOLIO FOR ALL OF YOUR NEEDS

SIDEL LABELLING

Labelling can make all the difference to your success in the market. Our family of container labellers is designed to help you optimise brand impact, boost productivity through accelerated label application, and reduce costs on everything from materials to maintenance. We also help you improve your green profile with lighter, more eco-friendly labels. Whatever your requirements, we offer innovative technologies that can help you meet and exceed your expectations.

A SOLUTION FOR EVERY PRODUCT

Sidel labelling solutions allow you to create attractive, eye-catching labels for increased brand recognition. Easy to use and flexible, they let you use different label materials and types on the same machine and incorporate a range of technologies suitable for a variety of containers and products, from non-alcoholic or alcoholic beverages to home, personal care, and food.

PRODUCT TYPE	CONTAINER MATERIAL	LABELLING TECHNOLOGY
Water CSD Beer Juices	PET Glass	Roll-Fed Cold Glue Pressure-Sensitive Hot Melt
Water CSD Juices Dairy	PET	Roll-Fed
Beer Water Food Home and Personal Care	PET HDPE Glass	Pressure-Sensitive
Beer Food Home and Personal Care	PET HDPE Glass	Cold Glue
Water CSD Juices Dairy	PET Glass	Roll-Fed
Water CSD Juices Dairy	PET Glass Can	Shrink Sleeve

ONE-STOP LABELLING

At Sidel, we make sure that our labelling solutions fit your production needs and offer a distinct edge in a highly competitive market. Sidel labellers are made to help with overall label project design, production flexibility, and on-going lifecycle management of complete lines. Our advanced technical solutions create greater reliability through their ability to adapt to very specific needs, whether in a line or as a stand-alone labeller. You will also benefit from having all the necessary capabilities in one supplier. We offer a wide range of solutions and we have the right one for your labelling needs.

LABEL TYPE	MODEL	OUTPUT (BPH)	
Wrap-around plastic or paper labels Partial pre-cut paper labels Self-adhesive plastic or paper labels Wrap-around pre-cut paper labels	EvoDECO Multi	from 6,000 to 81,000	
Wrap-around plastic or paper labels	EvoDECO Roll-Fed	from 34,000 to 81,000	
Self-adhesive plastic or paper labels	EvoDECO Adhesive	from 6,000 up to 66,000	
Partial pre-cut paper labels Partial pre-cut aluminium foil	EvoDECO Cold Glue	from 6,000 to 81,000	
Wrap-around plastic or paper labels	RollQUATTRO Evo	Up to 42,000	
High shrinkage plastic labels	RollSLEEVE	Up to 54,000	

NEW PRODUCTS IN PORTFOLIO

EVODECO MULTI

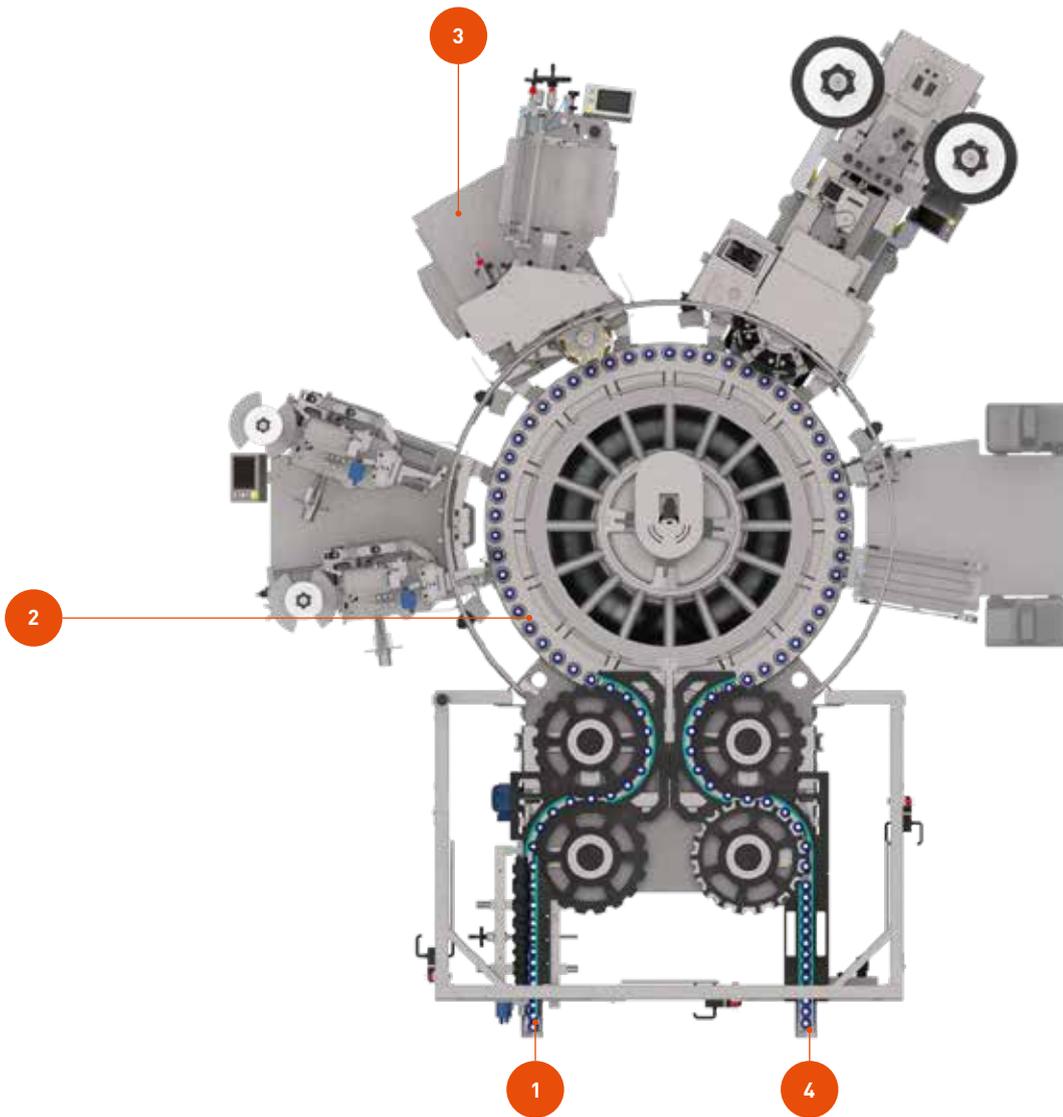


THE MOST FLEXIBLE LABELLING SOLUTION FOR ALL YOUR LABELLING NEEDS

The EvoDECO Multi offers customers total flexibility to deploy different labelling technologies and switch between the production of almost any product – all in one machine. The portfolio engineering of our new EvoDECO line and the Multi's ergonomic design mean you can easily switch between high-performance Cold Glue, Pressure Sensitive Labels (PSL), Roll-Fed, and Hot Melt modules and quickly ramp-up production of your product of choice. The modular design is coupled with the latest technological upgrades in order to deliver high-level of efficiency and high output at a low Total Cost of Ownership (TCO). This new solution delivers 30% faster changeover times and requires 40% less maintenance time compared to the previous generation, all while ensuring 40% less electrical consumption.

KEY HIGHLIGHTS

- Sidel's most flexible labelling solution allows you to produce most product types on a single machine
- Modular design and a variety of technologies allow for multiple application methods in one compact machine
- Premium level quality components
- Standardised carousel and ergonomics across the range
- Wide selection of add-ons for higher efficiency



THE PROCESS

1

Container infeed

The EvoDECO Multi has a continuous throughput, and automatically controls the flow of containers entering and exiting the machine. The containers are picked up from the conveyor by an adjustable motorised infeed screw, which sets them at the right pitch, and they are then transferred by the infeed starwheel to the bottle carousel.

2

Carousel

The carousel is characterised by its excellent ergonomic design, robust transmission and structure. Its innovative design features brushless motor drive technology, which means it has no gears or pulley. The lower carousel features servomotor-driven platforms for round and shaped bottles.

3

Labelling stations

With a compact footprint, the EvoDECO Multi modular design allows the connection of up to four different labelling technologies and up to five labelling stations.

4

Labelled container outfeed

After being labelled, containers are smoothly transferred to the outfeed starwheel, which places them on the outfeed conveyor.

NEW PRODUCTS IN PORTFOLIO

EVODECO MULTI

Easy to replace and reconfigure

The EvoDECO Multi accommodates five labelling stations with for different types of labelling application technologies. This allows the user to set up the machine for their unique labelling needs.

- Quick machine reconfiguration with the option of upgradable stations
- Easy module replacement
- Plug & Play module and utilities connection

Built for speed and consistency in performance

The EvoDECO Multi was designed with outputs in mind. It gives its users the flexibility to fine-tune speeds for each technology to fit their needs. All of the modules offer high speeds with 98% efficiency.

- Roll-Fed module outputs up to 54,000 bph
- Cold Glue module outputs up to 81,000 bph
- PSL module outputs up to 66,000 bph
- Hot Melt Cut & Stuck module outputs up to 50,000 bph

FIND THE LABELLER MODEL TO FIT WITH YOUR BOTTLES PRODUCTION

Carousel (mm)	Number of modules	Pitch available (mm)					
720	1	94	113	125	141	188	251
1080	2						NA
1440	3						251
1800	3						NA
2160	4	NA					251
2520	5	NA					NA



1 / Top view EvoDECO Multi and module possibilities

2 / Multiple layout configurations matching every need

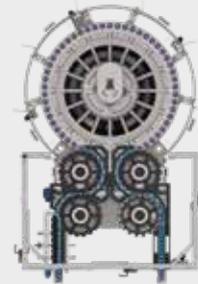
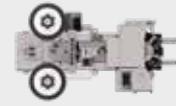
3 / Plug&Play module connection

Adhesive module

Cold Glue module

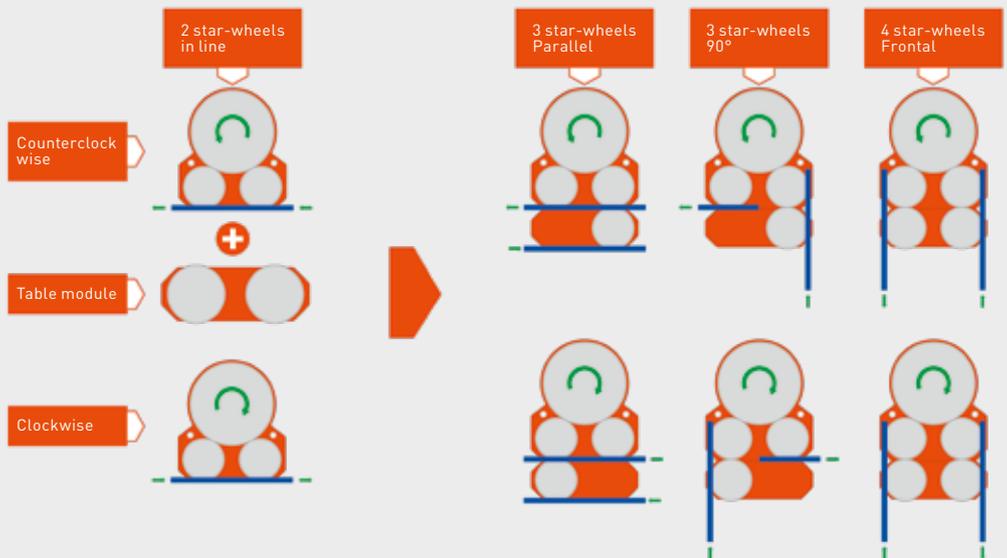
Roll-Fed module

Hot Melt module



Main carousel

1
2



3



NEW PRODUCTS IN PORTFOLIO

EVODECO MULTI

Optimised for maximum costs efficiency

The EvoDECO Multi solution delivers savings on key metrics compared to previous generations, helping to bring down the TCO. The solution includes optimised glue management, does not need lubrication, and its superior ergonomic design ensures faster changeovers, less maintenance and less electrical consumption.

- 40% less maintenance time
- 40% less electrical consumption
- 30% faster changeover times
- Optimised glue management for better control
- No gears and transmissions and therefore no lubrication

Made to handle a variety of bottles and labels

Four different labelling technologies in one machine mean the machine can handle a full range of bottle types and many shapes and sizes at high speeds in one compact solution.

- Labelling application method flexibility
- Bottle size flexibility within each technology
- Customers can choose the right look for their product and optimize their TCO at the same time



1 / *Bottle platforms with brushless motors increase labelling precision*

2 / *Open design and very high ergonomics*

3 / *Vision system for accurate bottle orientation and label positioning*



1
2



3



MODULE HIGHLIGHTS

EVODECO MULTI



Roll-Fed

The Roll-Fed modules can apply thin wrap-around labels to lightweight containers with highly optimised glue management and consumption. With three stations equipped, the Multi can reach outputs of 81,000 bph at 98% efficiency.



Adhesive

The Adhesive modules apply Pressure Sensitive Labels and are available for a wide range of speeds from 6,000 to 66,000 bph. They can be configured to have two simultaneously labels application or one label application with the non-stop master-slave system for more flexibility.

KEY HIGHLIGHTS

- High outputs at high-level efficiency
- Handles lightweight containers
- Servo-driven rotary cutter – single blade – with an extremely long lifecycle that can cut up to 200 million labels
- Glue temperature management in $\pm 3^{\circ}\text{C}$ avoids glue degradation, glue filament, and glue splashing which increases performance
- Flexible and consistent glue distribution for optimum results
- Vacuum drum built in light-weight sectors for easy and quick replacement
- Optimised in many areas for lower TCO and high uptime

KEY HIGHLIGHTS

- Top quality label application
- Handles ultra-thin labels and web liner, down to 25μ , at record breaking speeds of 66,000 bph
- Complete flexibility in labelling application:
 - Master-slave applies two of the same labels without production downtime during reel changeover
 - Up to ten labels on the same bottle
 - Highly efficient autosplicer changes reels without any speed reduction



Cold Glue

The Cold Glue modules have been designed to be easy to operate and easy to maintain. They are built in a fully washable stainless steel structure and have an automatic label loading system and quick release label pads for easier and smoother operations. The Cold Glue modules can generate outputs between 6,000 and 81,000 bph.



Hot Melt

The Hot Melt modules use a two-stage process to apply the labels, glue spraying first directly onto the bottle, and then on the label to ensure complete adhesion. The Hot Melt modules can produce outputs up to 50,000 bph.

KEY HIGHLIGHTS

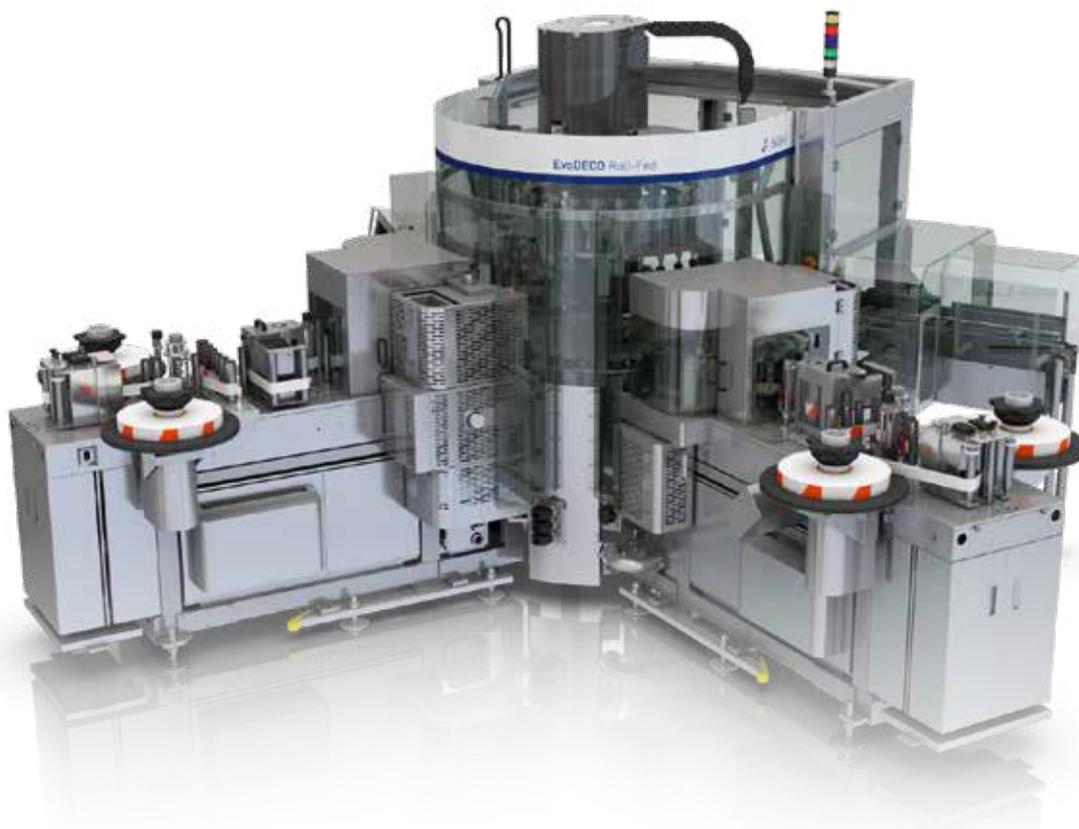
- Easy maintenance and operation
- Ultra hygienic fully washable steel structure
- Automatic cleaning system
- Automatic label loading system with up to 5 magazines for increased uptime

KEY HIGHLIGHTS

- The very precise application of glue with reduced glue leakage and carbonisation means minimal glue waste for optimal savings
- No need to replace contaminated or degraded glue as there is no glue circulation within the system
- It can apply wrap-around labels to both round and shaped containers

NEW PRODUCTS IN PORTFOLIO

EVODECO ROLL-FED

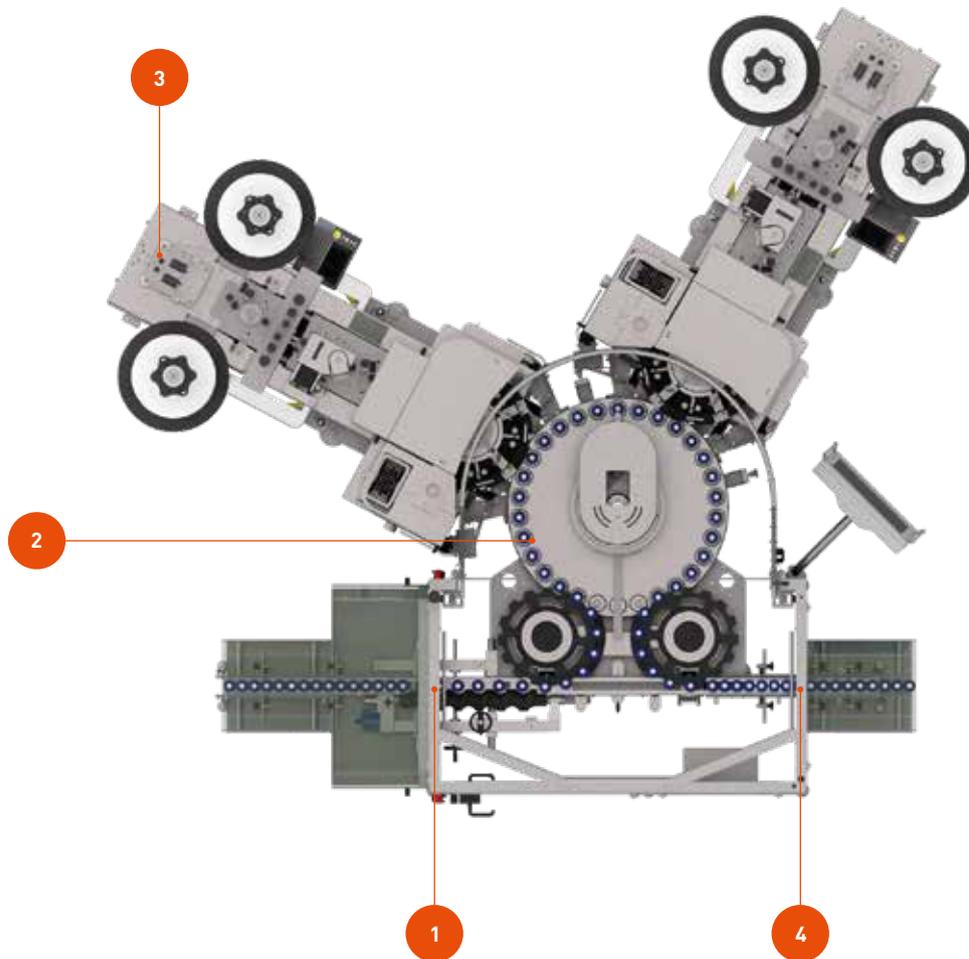


THE PROVEN AND VERSATILE ROLL-FED SOLUTION

The EvoDECO Roll-Fed is based on a standardised carousel and ergonomic design that is part of our EvoDECO labelling platform. It boasts four carousel sizes, up to three labelling stations, and 24 configurations. It can generate outputs up to 81,000 bph at 98% efficiency through its quality components and smart design. For users that means 40% lower maintenance, 30% faster changeover time, 40% less electricity usage, and no lubricant consumption. It is optimised for better glue control and reduced waste. It can also handle lightweight containers and thin labels. In short, this machine was made to handle all Roll-Fed needs at all speeds.

KEY HIGHLIGHTS

- Standalone solution specialised in the Roll-Fed application method
- Available in both fixed or removable labelling module configurations
- High outputs at high efficiency
- Handles lightweight containers and thin labels
- Unique vacuum drum with light-weight sectors and patented, adjustable pads
- The labelling module's linear design improves ergonomics and makes all components easily accessible without removing the station
- Safe equipment management ensures the fastest troubleshooting in total security
- Vacuum drum features an automatic cleaning system for increased uptime
- Patented automatic label extraction system avoids any possible jam – no machine stops



THE PROCESS

1

Container infeed

The infeed screw is driven independently and can be adjusted according to bottle specifications. It drives the bottles along the container guide, creating the right distance between each bottle to fit with the labelling carousel pitch where they are then transferred via the infeed wheel.

2

Carousel

Bottles are handled by the base. They are placed into the independently servomotor-driven carousel, while an improved bottle jack system ensures maximum bottle stability at high speeds. Bottle platforms can be driven by belt system for round bottles or independent servo-motors for square, rectangular, oval or oriented round bottles

3

Labelling station

The labelling station has an open structure, which offers a high level of accessibility for operators during production or maintenance. The labelling film goes through the feed roller and reaches the cutting module. It then transfers to the vacuum drum where hot glue is applied. Once the first edge of the label is positioned on the bottle, the label is wrapped around the container and the second edge is applied on the first.

4

Labelled bottle outfeed

After label application, the bottles are released. Extended discharge guides facilitate easy handling of different shaped bottles.

NEW PRODUCTS IN PORTFOLIO

EVODECO ROLL-FED

Handles super-thin labels

The EvoDECO Roll-Fed boasts impressive speeds and can handle a wide range of label dimensions. It also works with extremely thin labels as well as lightweight containers.

- Capable of handling a wide range of label dimensions
- Can handle OPP transparent labels with thicknesses of 20-45µ
- Can handle OPP white labels with thicknesses of 25-50µ
- Designed to handle extremely lightweight containers
- Pad-to-Pad label application offers utmost stability and accuracy at very high speed

High speeds, lower cost

The EvoDECO Roll-Fed is a high-performance solution that delivers high outputs and high efficiency. In addition to its impressive speeds, it also requires less maintenance time and electricity and delivers faster changeovers to keep uptime high and TCO low.

- Outputs from 34,000 to 81,000 bph at 98% efficiency
- 40% less maintenance time
- 40% less electrical consumption for lower TCO
- 30% faster changeover times for more uptime (only 25 minutes with one operator from one SKU to another)

FIND THE LABELLER MODEL TO FIT WITH YOUR BOTTLES PRODUCTION

Max. speed (bph)	Number of different modules	Bottle diameter (mm)		Carousel diameter (mm)	Heads	Pitch (mm)
		Min	Max			
42,000	1	45	128	720	16	141
54,000	1		100	720	20	113
60,000	2		110	1080	27	125
72,000	2		100	1440	40	113
81,000*	3		81	1800	60	94

* Available for Super Combi Configuration

1 / *Roll-Fed module*

2 / *Laser engraved Glue Roller for optimised glue's quantity and distribution resulting in top labelling application*

3 / *Vacuum drum with light-weight sectors for easier operations*



1
2



3



NEW PRODUCTS IN PORTFOLIO

EVODECO ROLL-FED

- Excellent glue management with glue on demand through patented vertical melter and temperature control system
- Long-lasting single blade cutter – up to 200 million cycles – for consistent uptime
- Easy-set cutting blade once replaced (max 20 minutes)
- High-speed and reliable autosplicer can switch between reels at 30,000 bph
- Vacuum drum features an automatic cleaning system for increased uptime
- Patented automatic label extraction system that avoids any possible label jams and machine stops

Centralised control and adjustments

The EvoDECO Roll-Fed has optimised glue management for better control. Full brushless labelling station ensures enhanced performance with lightweight containers and thin labels. Additionally, all adjustments can be made through the station's integrated Human Machine Interface (HMI) for better ease of use and control.

- Optimised glue management for increased control
- New laser-engraved glue roller for flexible, optimised, and consistent glue distribution
- All adjustments can be made through HMI

LABEL SPECIFICATIONS

Label length (mm)		Label height (mm)		Label materials	Label thickness
Min	Max	Min	Max		
156	417	30	170	OPP white OPP transp. Paper	20-50 µm

1 / Automatic label extraction system

2 / Automatic cleaning system of Vacuum Drum

3 / High speed Autosplicer at 30,000 bph



NEW PRODUCTS IN PORTFOLIO

EVODECO ADHESIVE

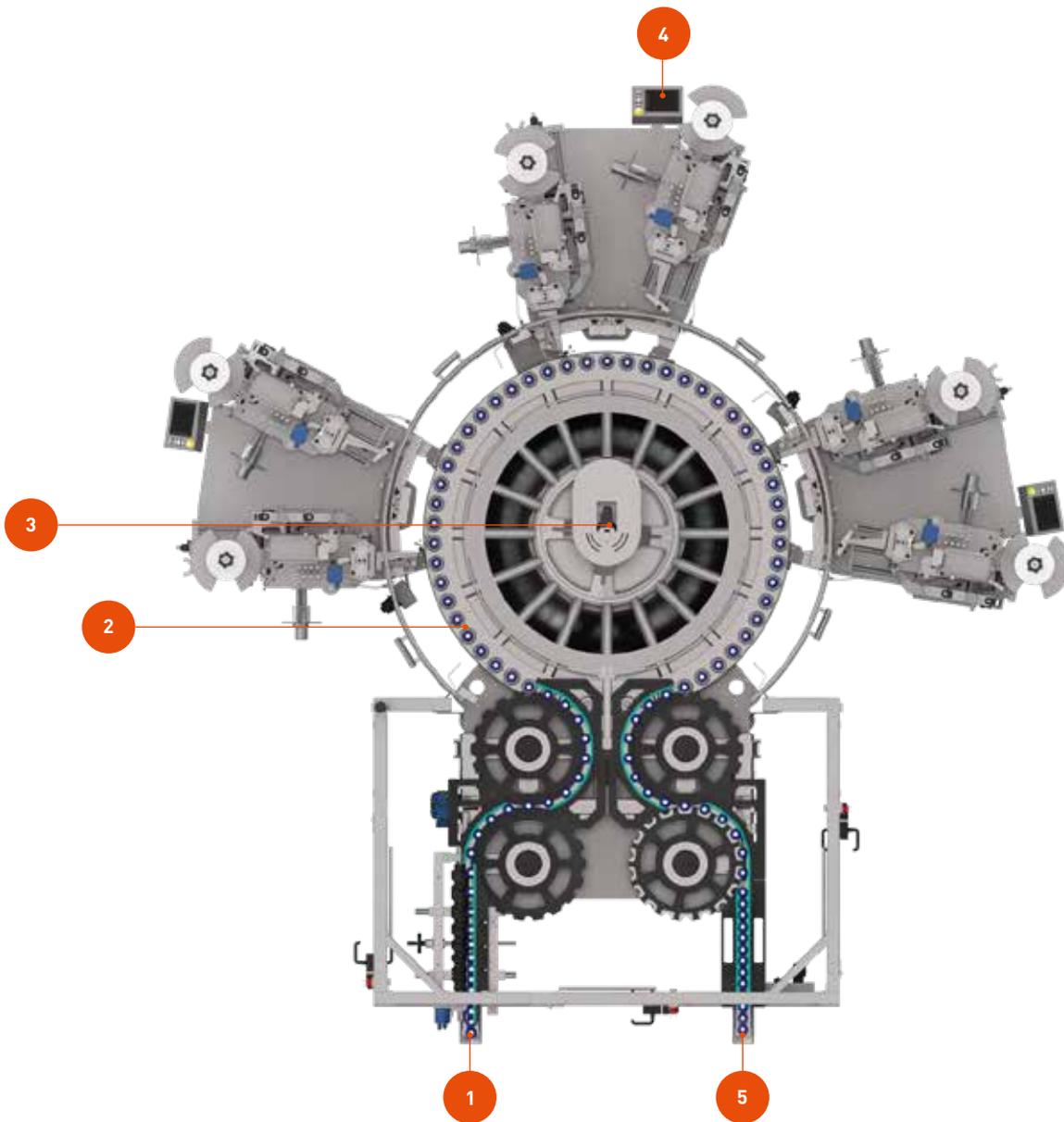


PRESSURE SENSITIVE LABELLING AT INDUSTRY-LEADING SPEEDS

The EvoDECO Adhesive is based on a standardised carousel and features an ergonomic design that is part of our EvoDECO labelling platform. It boasts six carousel sizes, up to five labelling stations and 36 configuration possibilities. It works with two reels both engaged or with a master-slave non-stop labelling feature that allows for more flexibility without downtime or output reductions. Easy access to the machine means 30% faster changeovers. And, like the rest of the EvoDECO labellers, it requires no lubricants and uses 40% less electricity, while still maintaining 98% efficiency. The EvoDECO Adhesive is the high performance PSL choice for many bottle and label types, delivering very high-quality application of ultra-thin labels at speeds up to an industry-leading 66,000 bph.

KEY HIGHLIGHTS

- Industry-leading output speeds of 66,000 bph
- Available in both fixed or removable labelling module configurations
- Complete flexibility in labelling application:
 - Master-slave applies two of the same labels without production downtime during reel changeover
 - Two or more different labels on the same bottle
 - Up to ten labels on the same bottle
 - Highly efficient autosplicer changes reels without any speed reduction
- Handles ultra-thin labels and web liner films, down to 25 μ , with utmost precision



THE PROCESS

1

Container infeed

The EvoDECO Adhesive has a continuous throughput, and it automatically controls the flow of containers entering and exiting the machine. The containers are transferred from the conveyor to the infeed screw. They are set at the right pitch and transferred by the infeed starwheel to the bottle carousel.

2

Vision system

A vision system with cameras, positioned at the beginning of the main carousel, first detects the container's initial position. Then bottles are oriented through servomotor platforms at the right position and label is properly placed. This applies to even very complex bottle shapes and sizes.

3

Carousel

The carousel is characterised by its robust transmission and machine structure. Its innovative design features brushless motors, which means it has no gears or pulley. The lower carousel features servomotor-driven platforms for round and irregularly shaped bottles.

4

Labelling station

The adhesive labels, supplied in reels, can be simply adhered to the bottles. A peeling blade removes labels from the web liner and the bottles pick the label up. The label is applied securely with one or more wiping systems that press it into the right position.

5

Labelled bottle outfeed

After being labelled, the containers are transferred to the outfeed starwheel, which places them on the outfeed conveyor.

NEW PRODUCTS IN PORTFOLIO

EVODECO ADHESIVE

Record-breaking speeds

The EvoDECO Adhesive delivers industry-leading labelling speeds, and is also able to apply PSLs at lower speeds. Users can also quickly ramp up or slow down outputs if needed.

- Labelling speeds from 6,000 to 66,000 bph
- Precise and high-quality application
- Excellent “No Label Look” even at high speeds

Handles extremely thin labels

The EvoDECO Adhesive has a precise push-pull system and air buffer that help keep the labels stable and holds the label film in tension throughout the labelling flow. It reduces the risk of damage to the labels themselves and reduces label film breakages.

- Precise system for label distribution utilising push-pull motions
- Stable label and film throughout the labelling process
- Reduced label film breakage and label damage means easier handling of extremely thin labels

FIND THE LABELLER MODEL TO FIT WITH YOUR BOTTLES PRODUCTION

Max. speed (bph*)	Number of different labels/modules	Bottle diameter (mm)		Carousel diameter (mm)	Heads	Pitch (mm)
		Min	Max			
28,000	1	50	100	720	20	113
42,000	2			1080	30	
50,000	2			1440	40	
66,000	3			1800	50	
66,000	3 (with vision system)		110	2160	54	125

* Master-slave configuration



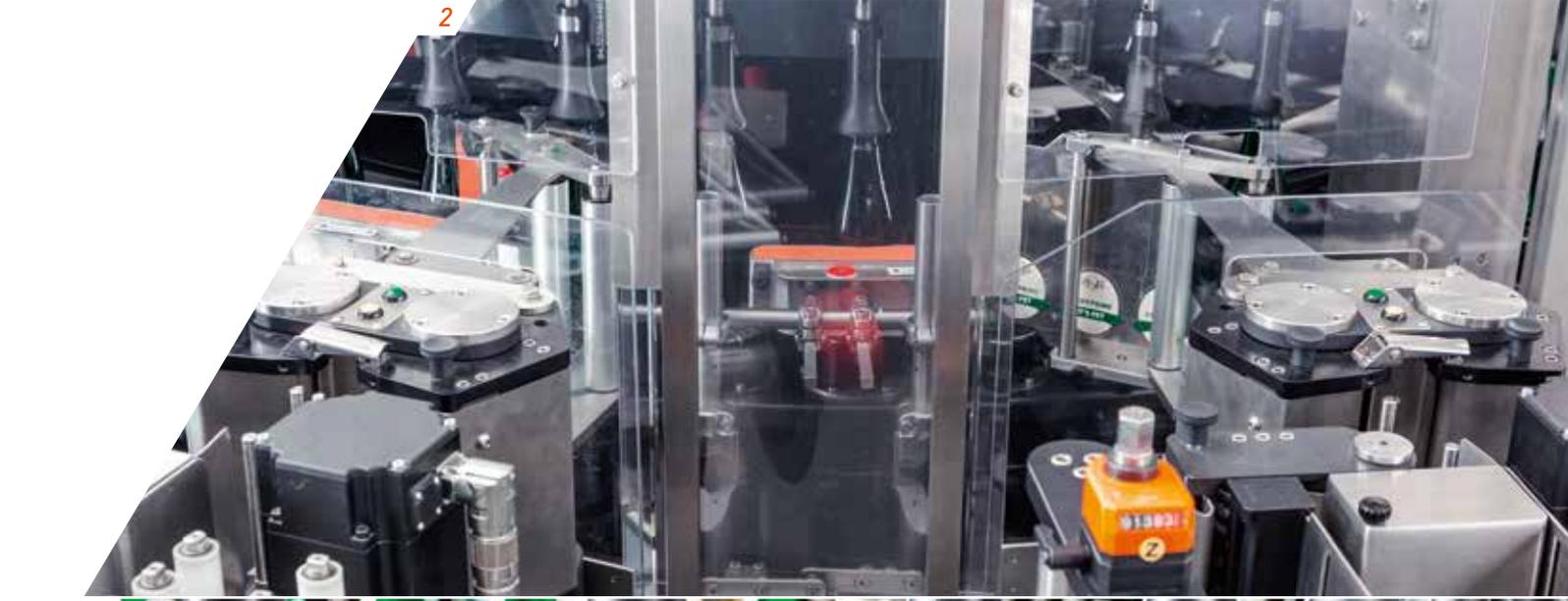
1 / Adhesive module

2 / Flexible non stop labelling
master-slave or Front and Back

3 / Peeling & Application

1
2

3



NEW PRODUCTS IN PORTFOLIO

EVODECO ADHESIVE

Application controlled through the HMI

The EvoDECO adhesives HMI is connected to the master-slave, so that adjustments can be made through the most accessible part of the structure. HMI allows the control of labelling process from one to multiple labels, resulting in utmost flexibility of application.

- Central configurations of the master-slave non-stop system automatically swaps label reel resulting in no downtime or output reductions
- Both reels can work simultaneously on front and back configuration
- Patented automatic opening and closing of protection window safely when preparing the slave group

LABEL SPECIFICATIONS

Label length (mm)		Label height (mm)		Label materials	Label thickness
Min	Max	Min	Max		
20	150	20	220	PET Paper	Web liner: 20-50 µm Label: 50-90 µm

1 / Perfect wiping for
consistent label application

2 / High speed
autosplicer

3 / Continuous
rewinding system



1
2



3



NEW PRODUCTS IN PORTFOLIO

EVODECO COLD GLUE



THE COLD GLUE SOLUTION WITH LESS WASTE, AND EASY MAINTENANCE

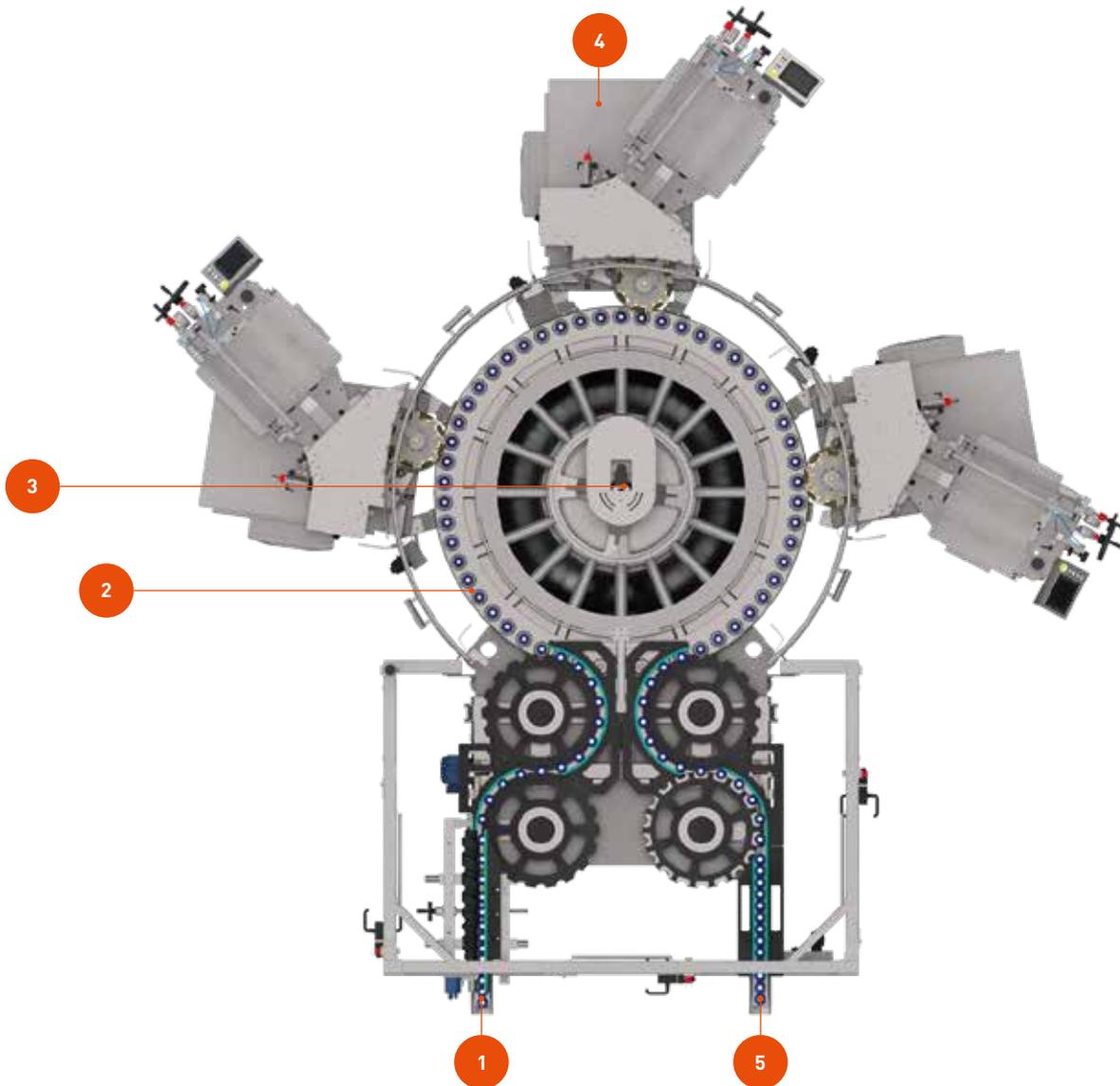
The EvoDECO Cold Glue is based on a standardised carousel and ergonomic design that is part of our EvoDECO labelling platform. It comes in six carousel sizes, can feature up to five labelling stations, and is easy to configure according to bottle size, output need and product type. Its fully washable stainless steel structure makes it extremely hygienic, while its easy-to-operate Cold Glue labelling station features quick-release label pallets, and its automatic labels loading system ensures consistent uptime. This labeller delivers a 98% efficiency rate and 36 configuration possibilities while consuming 40% less electricity, less glue and zero lubricant.

Labelling at any speed

The EvoDECO Cold Glue stand-alone machine is designed to handle any output speed its users desire. It has a fully brushless motorisation with multiple label loading systems to enhance performance.

KEY HIGHLIGHTS

- Easy to maintain, fully-washable stainless steel structure
 - Easy to operate
 - Available in both fixed or removable labelling module configurations
 - Quick-release label pallets
 - Automatic label loading system (up to five magazines) for increased uptime
 - Safe equipment management ensures the quickest troubleshooting in total security
-
- Output speeds from 6,000 to 81,000 bph
 - Fully brushless motorisation
 - Multiple label loading systems (up to five magazines) for more consistent uptime



THE PROCESS

1

Container infeed

The EvoDECO Cold Glue has a continuous throughput, and it automatically controls the flow of containers entering and exiting the machine. The containers are transferred from the conveyor to the infeed screw. They are set at the right pitch and transferred by the infeed starwheel to the bottle carousel.

2

Vision system

A vision system with cameras, positioned at the beginning of the main carousel, first detects the container's initial position. Then bottles are oriented through servomotor platforms at the right position and label is properly placed. This applies to even very complex bottle shapes and sizes.

3

Carousel

The carousel is characterised by its robust transmission and structure. Its innovative design features brushless motors, which means it has no gears or pulley. The lower carousel features servomotor-driven platforms for round and shaped bottles.

4

Labelling station

Glue rollers supply glue onto the pallets, which is applied to the backside of the pre-cut labels. A transferring drum equipped with grippers transfers the label from the pad to the bottle and brushes wipe the label into place.

5

Labelled bottle outfeed

After being labelled, the containers are transferred to the outfeed starwheel, which places them on the outfeed conveyor.

NEW PRODUCTS IN PORTFOLIO

EVODECO COLD GLUE

Easy cleaning, easy labelling

The EvoDECO Cold Glue has been constructed with stainless steel put through an anti-corrosion treatment for added longevity. This increases the hygiene of the machine as it is fully washable. Additionally, the Cold Glue's label pallets have a quick-release function for smoother flow and easier cleaning.

- Quality stainless steel structure with anti-corrosion treatment
- Hygienic design and fully washable
- Quick-release label pallets for easy label application
- Easy tool-less replacement of the glue pallets using "capto" joints

Controlled and protected

The module has optimised glue management for better control and utilises a multiple labyrinth seal to protect against water. It can also make micrometric adjustments to the glue roller for increased control and better performance.

- Optimised glue management for better control
- Multiple labyrinth seal for added water protection
- Enhanced control through micrometric adjustments of the glue roller

FIND THE LABELLER MODEL TO FIT WITH YOUR BOTTLES PRODUCTION

Max. speed (bph)	Number of different labels/modules	Bottle diameter (mm)		Carousel diameter (mm)	Heads	Pitch (mm)
		Min	Max			
24,000	2	50	128	1080	18	188
48,000	2		118	1440	36	125
60,000	3		118	1800	45	125
81,000	3		100	2160	60	113

LABEL SPECIFICATIONS

Station model Number of pallets-grippers	Label length (mm)		Label height (mm)		Label materials
	Min	Max	Min	Max	
5-5	20	195	20	200	Paper Aluminium
7-7		150		200	
8-8		130		120	
8-9		110		120	

1 / Cold Glue module

2 / Fully washable stainless steel execution

3 / Glue roller

4 / Transferring drum

5 / Capto joints on glue pallets for tool-less replacement



1
2

3

4

5



EXISTING PRODUCTS IN PORTFOLIO

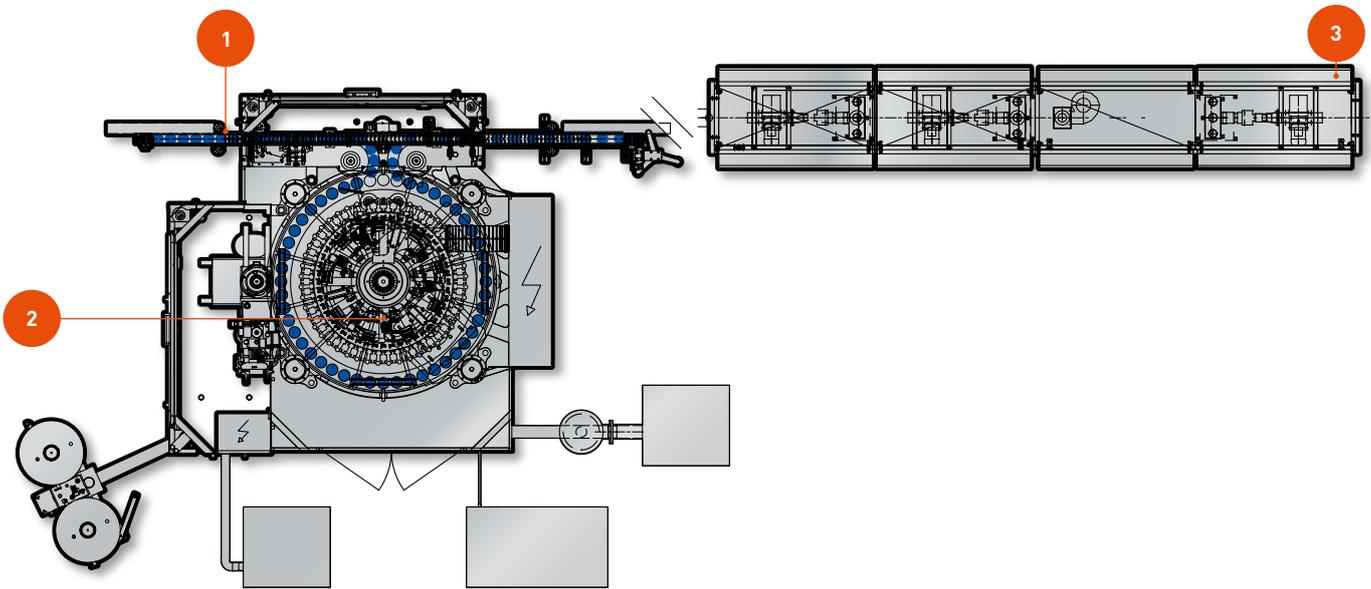
ROLLSLEEVE



OUR FLEXIBLE SHRINK SLEEVE SOLUTION

The unique RollSLEEVE labeller combines the simplicity of Sidel consolidated Roll-Fed technology with an innovative high-speed shrink sleeve process in one single machine.

- **Efficient, top-quality labelling:** A single rotating knife ensures a very precise sleeve cut. The automated vacuum system delivers 20% higher precision in label quality and application, while long-life single rotating cutting blades increase stability and control. The accurate sealing creates no visual or tactile flaws after shrinkage
- **Flexible:** With its compact footprint and modular design, RollSLEEVE can be installed in various configurations. It can easily switch from sleeved bottles to Roll-Fed labelling using classic hotmelt applications and is also suitable for all types of containers and label materials
- **Cost efficient and sustainable:** RollSLEEVE uses no glue or solvents, so there are no costs related to sleeve forming. The machine is also able to apply sustainable, recyclable films up to 50% thinner than comparable systems, and can also process lightweight bottles



THE PROCESS

1

Container infeed

Rollsleeve has a continuous throughput and automatically controls the flow of containers entering and exiting the machine. The containers are picked up from the conveyor by a screw feeder, which sets them at the right pitch, and they are then transferred by the infeed starwheel to the bottle carousel.

2

Sleeve labelling station and carousel

The containers are located on individual rotating sleeve drums that lift them up into position. Once precisely cut with the rotating knife, the labels are transferred from the vacuum drum to the cylindrical drums. They are wrapped and maintained with a vacuum: the label is closed edge to edge and sealed with a heating bar, without glue. The sleeve drums holding the bottles are then lowered into the pre-formed sleeve labels.

3

Sleeve-labelled container outfeed and shrinking tunnel

After leaving the machine, the sleeved bottles move inside a steam or hot air heat tunnel for the shrinking process. The shrinking ratio can range from 40% to 70% depending on the film type and thickness.

EXISTING PRODUCTS IN PORTFOLIO

ROLLSLEEVE



Patented Machine Direction Orientation

Compared to traditional Transversal Direction Orientation (TDO) where sleeve labels are already formed in tubes on the reel, ROLL SLEEVE applies labels with a Machine Direction Orientation (MDO) at speeds up to 54,000 bottles per hour. It is one of the fastest sleeves on the market.

- ROLL SLEEVE applies MDO labels where final tube creation and welding are performed directly in the labelling machine
- The seaming area is positioned exactly on the edge of the label. The heat and cool sealing system, based on innovative impulse sealing welding bars, ensures precise quality welding and is suitable for a wide range of film materials and thicknesses with no visual or tactile flaws

- The bottle is lowered onto the sleeve using the sleeve drum which makes bottle height irrelevant to labelling speed
- A vision system can be added for sleeved and Roll-Fed bottles that require specific label positioning

Optimal processing with a quick payback

With a significant potential for flexibility and labelling quality, ROLL SLEEVE incorporates a string of technological advances that can reduce operating costs and environmental impact. The MDO film can generate costs savings up to 30%. And with a throughput of 200 million bottles per year, savings on label material costs alone can contribute to a full payback on your investment in just 18 months (compared to a TDO film of the same label thickness).

FIND THE LABELLER MODEL TO FIT WITH YOUR BOTTLES PRODUCTION

Max. speed (bph)	Bottle diameter (mm)		Machine model	Carousel diameter (mm)	Heads	Pitch (mm)
	Min	Max				
54,000	55	Sleeve 100 Labels 110	RS F65	1920	48	126



- The creation of tubular sleeves in the machine requires far less material, drastically reducing label costs
- Logistics costs are lower too, since a reel of high-shrink MDO film contains three times more labels than a TDO reel
- Lowering containers into sleeves without movement or stress enables the handling of labels up to 50% thinner than TDO or other MDO Roll-Fed machines
- Sleeve seaming is completed inside the machine, so no glue or solvents are used. This makes PET recycling much easier. There is no detrimental impact on the machine's efficiency and the equipment stays cleaner and more hygienic while maintenance is reduced

Flexibility of containers and films

RollSLEEVE can easily switch between shrink sleeves and Roll-Fed labels with fast and efficient changeover times. It also offers great flexibility in terms of container and label types.

- It can label all types of containers, from glass to plastic, on round or irregularly-shaped containers
- It is suitable for bottle sizes up to two litres with diameters ranging from 50 mm to 100 mm
- The sealing system is compatible with a wide range of label types such as PET, PVC, PE, R-PET, PLA, OPS, and PP, with thickness ranging from 15 µm to 130 µm, and is suitable for recycling
- It can apply full-body sleeves or partial-body sleeves by being equipped with a module to selectively position labels at predetermined heights on bottles (from 50 mm to 230 mm)

LABEL SPECIFICATIONS

Machine model	Label length (mm)		Label height (mm)		Label material	Label thickness
	Min	Max	Min	Max		
RS F65	Sleeve 193 Roll-Fed 177	Sleeve 335 Roll-Fed 335	Sleeve 50 Roll-Fed 30	Sleeve 230 Roll-Fed 170	PP, PET, PE, PVC, Polyphane, OPS	15-130 µm

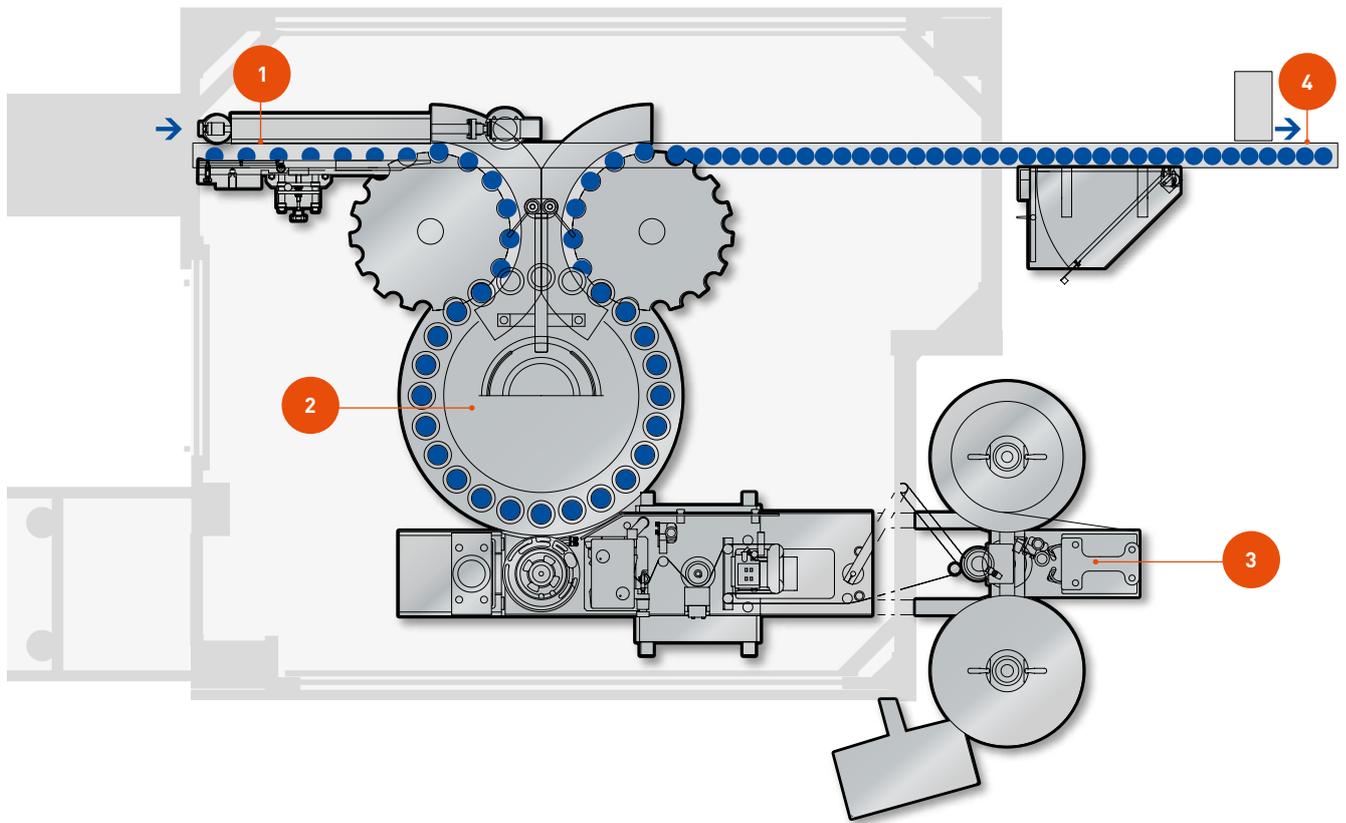
EXISTING PRODUCTS IN PORTFOLIO

ROLLQUATTRO EVO



UNIQUE LINEAR DESIGN FOR FASTER AND SMOOTHER OPERATION

- **Efficient, accurate and precise:** Ergonomic machine design and high-quality manufacturing are key factors in achieving high performance. Easy and programmable settings simplify handling, improve label application precision, and increase label overlap closure efficiency
- **Flexible:** This system's highly accessible structure enables minimal format changeover times. It has a compact footprint and can be installed in various configurations, making it adaptable to many spaces
- **Sustainable:** It can cut operating costs and minimise energy consumption by handling lightweight PET bottles and saving at least 15% of total annual glue consumption



THE PROCESS

1

Container infeed

RollQUATTRO Evo has a continuous throughput and automatically controls the flow of containers entering and exiting the machine. The containers are picked up from the conveyor by a screw feeder, which sets them at the right pitch, and they are then transferred by the infeed starwheel to the bottle carousel.

2

Carousel

The RollQUATTRO Evo's robust design and carousel transmission enables the application of wrap-around labels for both round (belt-driven platforms via a single servomotor) and shaped containers (servomotor-driven platforms). Adjustments can be made via the HMI.

3

Labelling station

With a compact footprint, the RollQUATTRO Evo's unique linear station design allows the operator to control the entire labelling process, while format changeovers are fast and maintenance procedures simplified. The glue is continuously supplied from a tank located under the machine base.

4

Labelled bottle outfeed

After being labelled, containers are smoothly transferred to the outfeed starwheel, which places them on the outfeed conveyor.

EXISTING PRODUCTS IN PORTFOLIO

ROLLQUATTRO EVO



Linear design for easier handling

RollQUATTRO Evo's unique linear station design and ergonomic structure allows operators to easily control all labelling processes.

- The labeller's versatility makes complex procedures simpler
- The reel stand has been structurally integrated into the label station to save space
- The machine handles different label materials and thicknesses (laminated, paper, etc.) by adapting vacuum values
- Various labeller configurations are available to be adapted to any layout and improve line management

Faster and smoother operations

Module accessibility has been significantly increased and module elements have improved to optimise cutting, gluing and label application processes:

- Large capacity label rolls minimise the operator's workload
- The label transfer vacuum drum requires no regulation or adjustment and is designed to have total control of the label
- A unique single rotating cutting blade reduces the need for frequent adjustment, lowering the risk of incorrect cutting, wear and tear, and unnecessary changeover costs
- Increased space between the label film feeding roller and cutting module leads to smoother operation
- Vacuum drum features an automatic cleaning system for increase uptime - available on RQ F25E only

FIND THE LABELLER MODEL TO FIT WITH YOUR BOTTLES PRODUCTION

Max. speed (bph)	Bottle diameter (mm)		Machine model	Carousel diameter (mm)	Heads	Pitch (mm)
	Min	Max				
34,000	53	110	RQ F15E 18T	720	18	126
42,000			RQ F25E 18T			



Highest precision for great results

Efficient and precise label application is the key to achieving excellent results. The label transfer drum, glue and cutting modules are designed to be accurate and deliver high quality time after time:

- The patented label transfer drum ensures high-quality labels fit to bottles. The automated vacuum, with easy and programmable settings, increases label tension and stability control
- The label application and overlap alignment are precise at every speed, even for shaped bottles, with no additional wipe-down system required for label overlap closure
- Each of the four integrated single rotating cutting blades is highly durable and designed for up to 5,000 working hours
- The glue roller unit makes sure glue remains in excellent condition and is always applied optimally, increasing accuracy without adding complexity
- The glue roller's knurled pattern design leads to significant glue savings

LABEL SPECIFICATIONS

Machine model	Label length (mm)		Label height (mm)		Label material	Label thickness
	Min	Max	Min	Max		
RQ F15E 18T	177	355	30	170	OPP white, OPP transp. Paper	25-50 µm
RQ F25E 18T						

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With over 37,000 machines installed in more than 190 countries, we have nearly 170 years of proven experience, with a strong focus on advanced systems, line engineering and innovation. Our 5,000+ employees worldwide are passionate about providing complete solutions that fulfil customer needs and boost the performance of their lines, products and businesses.

Delivering this level of performance requires that we continuously understand our customers' challenges and commit to meeting their unique goals. We do this through dialogue, and by understanding the needs of their markets, production and value chains. We complement this by applying our strong technical knowledge and smart-data analytics to support maximum lifetime productivity to its full potential.

We call it *Performance through Understanding*.

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