

INFED SYSTEM | FILLER | CAPPER  
LABELLER | CASE PACKER | PALLETIZER  
FLEXIBLE LINE | ASSEMBLY LINE



## IN FIGURES



>200  
EMPLOYEES



40  
COUNTRIES



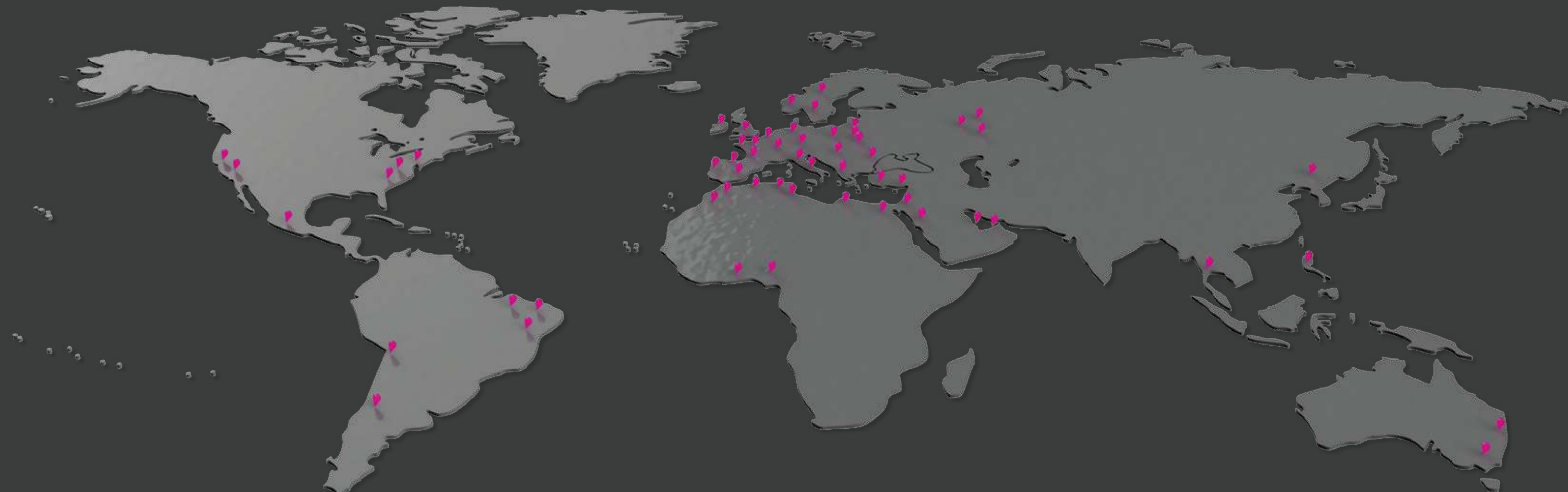
>100  
MACHINES  
PER YEAR

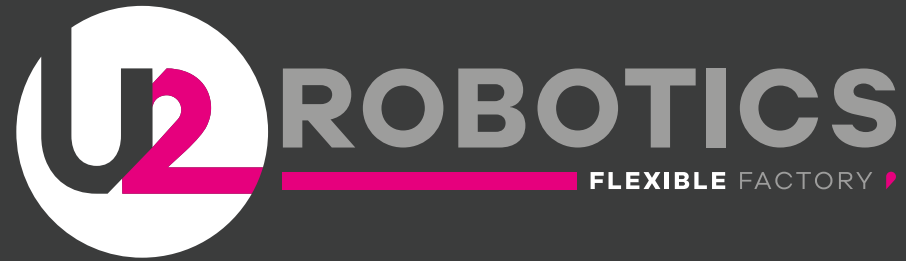


4.0  
FLEXIBLE  
AGILE



>10%  
DOUBLE-DIGIT  
GROWTH





## LET'S TALK ABOUT THE REAL 4.0 FOR ADAPTIVE **FACTORIES**



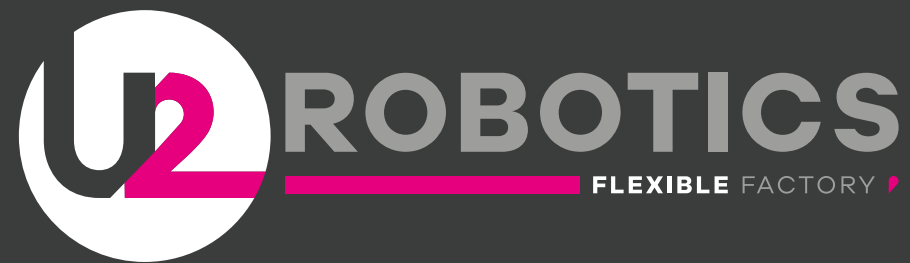
### WE ARE SOLVING CHALLENGES OF MANUFACTURING

- Large influence of e-commerce, connected world, and broken supply chains brings new challenges to manufacturing sector.
- Traditional production systems are large, designed for high production quantities of similar products. Frequent changovers for new products is reducing productivity and causing high costs of format parts. Format parts are large and are consuming a lot of space. Low productivity per sqm.
- Customer are expecting shorter delivery times, small order batches, and large diversity of types of products (including personalisation). Long run production is causing a lot of “bad stock” of goods irrelevant to market needs.
- Customers are demanding greener circular economy, using more recycled materials, recycling easier, which brings additional challenges to processes
- Producers are suffering from lack of components, being forced to adopt quickly for available ones which creates additional redesign, change parts and start-up costs.
- Society is changing, there is less and less highly skilled employees, able to operate complex and expensive machinery which causes losses and lack of productivity
- There is less and less employees who wants to perform simple repetitive manual tasks, cost of workforce is rising



### HOW DO WE SOLVE IT ?

- We deliver truly flexible factories using current industry 4.0 tools, our machines can adapt as fast as market changes, to keep your business competitive.
- Our systems are designed especially for short production batches of wide range of products, using robots and flexible/3D printed tools is helping us to achieve low change part costs and quick changeover
- To achieve that we heavily invested in integration of proven technologies: Industrial robotics, intelligent transport systems, 3D Printing, OPC/UA, HTML 5, and various web tools.
- We believe in power of usage simplicity - our fully automated robotics platforms can be driven by operators without high engineering skills and experience.
- Data analysis Pack OS software and various web tools are helping to increase ramp-up time which is main reason of productivity losses. Preventive maintenance tools helps us to reduce downtime
- We focus on adaptive machinery, in each case targeting important industry challenges by specialised factory. In our portfolio we have machinery for: unscrambling, depalletising, filling, capping, labelling, case packing, assembling, palletising.
- We engineer to order, machines and whole flexible lines, custom-tailored for our clients needs: from the design stage to the machine's completion and testing for multiple formats . The whole process from design, production and assembly takes place in our plant.
- We believe that robotic is the solution to preserve human creativity by leaving repetitive work to specialised machines



WE KEEP PROMISE TO THE GLOBAL INDUSTRY



CHEMICAL & HOMECARE INDUSTRY AS



PHARMA INDUSTRY AS



FOOD, WINE & SPIRITS INDUSTRY AS



PERSONAL CARE & COSMETIC INDUSTRY AS



AND A LARGE EXPERIENCE IN



HOMECARE



SWIMMING POOL



MANUFACTURING ASSEMBLY



VEGETABLES SORTING



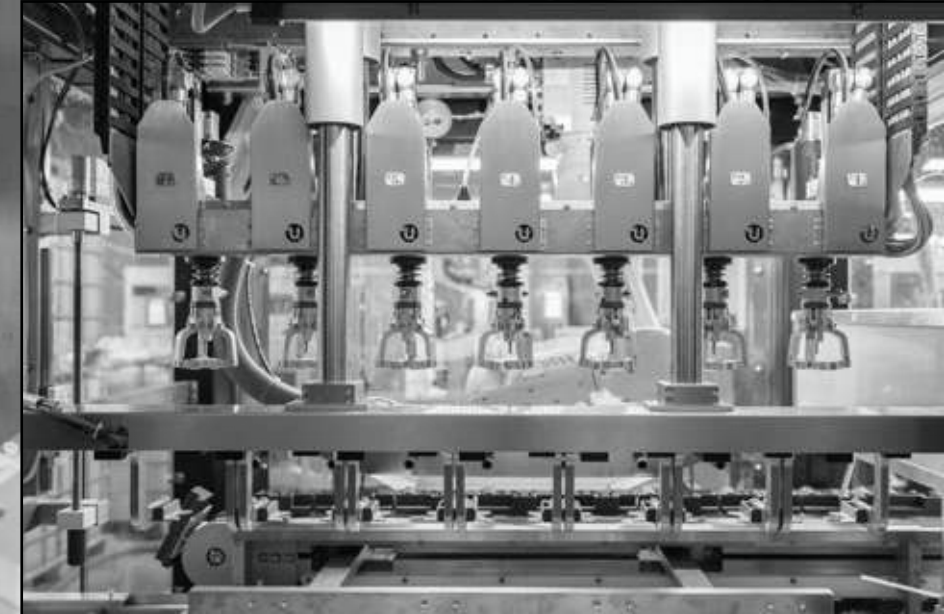
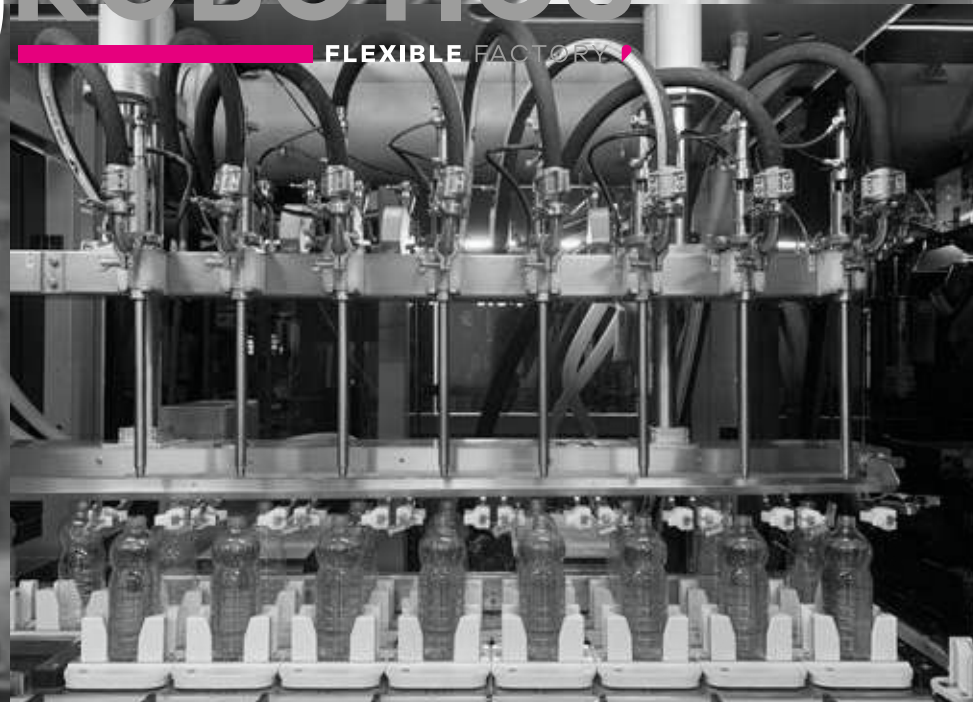
RECYCLING





ROBOTICS

FLEXIBLE FACTORY





COSMETIC / PHARMACETIC  
ADAPTIVE / LINE



Unilogo is more than just a tech company. It's a family of passionate engineers, designers, constructors and innovative minds who together create an unstoppable team. With over 20 years of experience in production line machines, we had our fair share of time to learn, develop and grow to become our best self. We now offer a range of the most innovative, advanced, unique products that are bound to give our clients the most desired advantage flexibility. Whether it's depacking, filling, welding, capping, labelling or palletizing, we have it all.

Delving into different industries, such as cosmetics, chemical and household has allowed us to gain invaluable experiences and versatile lessons in each one.

This has helped us to prepare for many challenges ahead Years of trials, development and research continue to bring spectacular results and innovative solutions as we export our machines to more and more locations around the world. Unilogo knows that there is no better way to move forward than learning from our mistakes and others in the industry. That's why we constantly partner with foreign companies, seeking the best solutions and combining our strengths to create something truly remarkable and bring tomorrow's technologies to your doorstep. 3D printed format parts, laser precision and state of the art efficiency are a staple in our machines. Designed and manufactured with flexibility, sustainability and adaptability in mind, the products practically flow through the line in a fast, seamless process supplying our customers with high quality end products and low maintenance, user friendly systems. We offer several extensions so that each machine can be accurately tailored to fit clients needs.

We engage wholeheartedly in not only our professional work, but also in sports and charity work. Many of us enjoy running and bonding over a game of football.







UNISTA started on the market in 2007 as an automation service company. A few years later, thanks to a project uniting automation and mechanics, the first robotic cell was born. Today UNISTA is a company recognized for its robotic solutions, combining performance and flexibility. We are convinced that a human being is worthy of creative work. A job that gives possibilities of personal growth. A job that makes you want to get up in the morning and invent.

As a developer and producer of industrial machines, the main goal of UNISTA is to find simple solutions for complex issues. That's why at UNISTA, we give a great importance to the customer service. From the beginning of conception until the implementation. Firstly, we are trying to understand your needs to be able to answer to them. Which function you might need to automate and why? Which solution could we propose in order to match your needs? To achieve our project goals at its finest, we use an "Agile" method. This method is based on 4 values:

1. Individuals and their interactions rather than processes and tools
2. Operational software rather than over-detailed documentation
3. Teamwork with our customers rather than contract negotiation
4. Adaptivity to changes rather than following a predefined plan

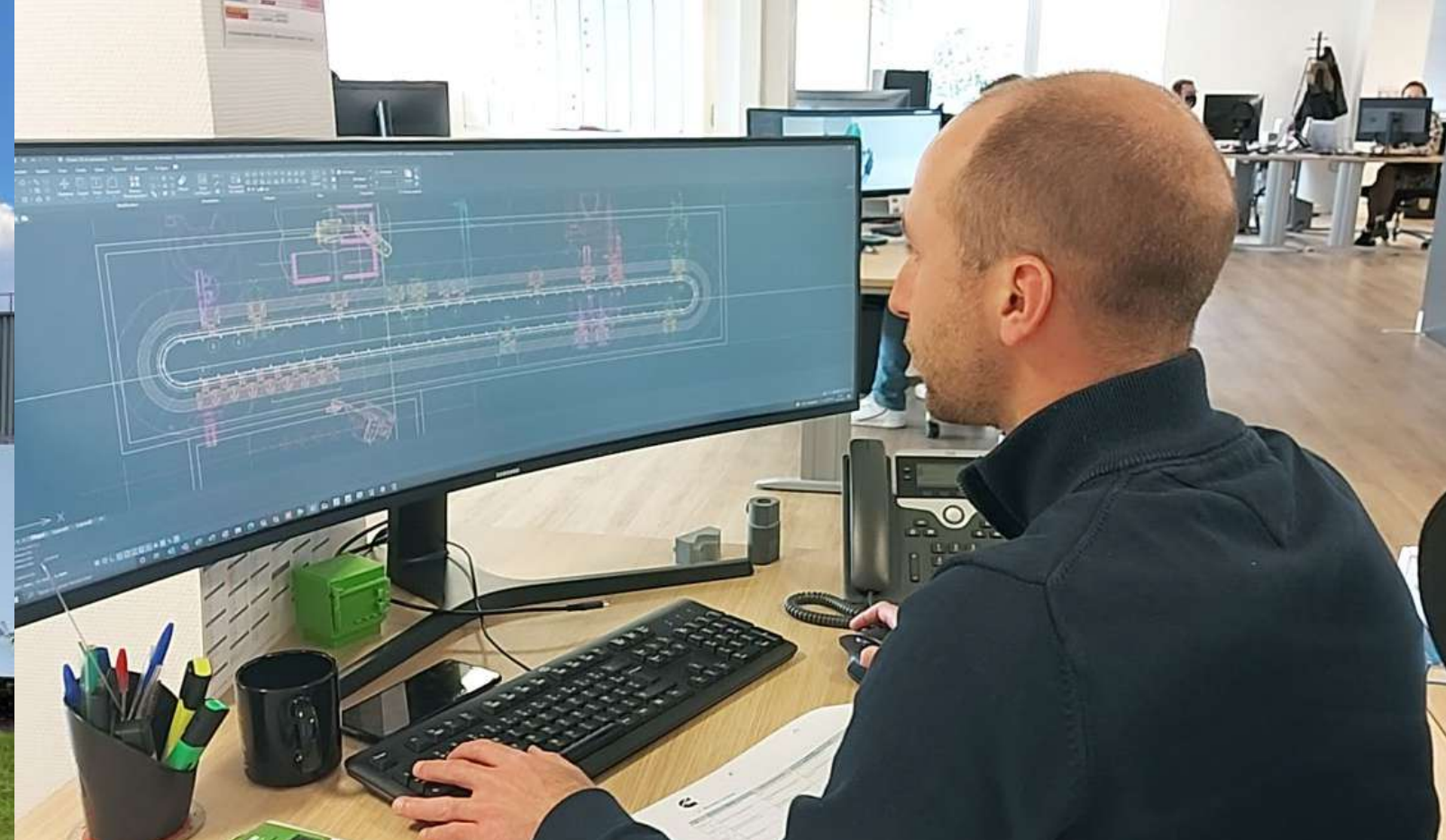
From the start until the end of your project you'll never be alone, because we give the highest importance to the support of our customers in creation of automated packaging machines.

The creation of automated packaging lines, the custom-made equipment and the customer service are the main activities of our company. With our standard machines for items distribution, capping, pucks and buckets unloading, case packing and palletizing UNISTA can respond to your needs.





**COSMETIC / INDUSTRY**  
**SPECIFIC / USUAL UPGRADE**



With his experience acquired since 1982 in the most demanding industrial sectors, MACH'TEL is the specialist in assembly machines, whether semi-automatic or automatic. We operate in fields as varied as Cosmetics, Automotive, Plastics, Pharmacy, Armaments, etc...

Our motto? Know-how before proposing.

Our technical-sales and pre-project teams ensure the feasibility and viability of your needs before submitting any proposal to you. Then, our mechanical design, automation and robotics teams and then our assembly and development teams bring your project to life. We are committed to providing you with equipment that fully meets the commitments made together. As a guarantee of success, we follow a proven business monitoring process that has been awarded ISO 9001:2015 certification.

Technically, we offer 3 large families of machines for assembling your components, and a multitude of trades to meet the most complex needs:

- For the most conventional needs, we offer an island in the form of a circular plate with intermittent movement. The diameter and the pitch of this plate make it possible to integrate the number of functions necessary according to the size of the articles to be treated and the desired rate.
- For more flexible needs, particularly in terms of combinations of formats and/or functions to be performed, we offer a modular assembly built around a magnetic conveyor. (e.g. Acopostrack from B&R).
- For ever more flexible needs, because potentially evolving in the short term, we offer a modular set built around a solution of shuttles conveyed by magnetic field. (ex: Acopos 6D from B&R).

Finally, if these «standard» transfer solutions do not meet your needs, we are able to offer you a «special machine» variant. With this range of technical solutions, we intend to meet the needs of the Factory of the future by offering you flexible, agile, even scalable and innovative solutions if necessary.







WINE / AGRO INDUSTRY  
SPECIFIC / RETROFIT



Since 2009 CiTF has become a major player in industrial design in Nouvelle-Aquitaine (France). Thanks to its varied know-how, it carries out your projects in their entirety and intervenes in the fields of robotics, automation, electricity and mechanics. Whether it involves improving a production line, traceability or even experimental research, we are at your disposal to respond to your requests while optimizing the costs, quality and deadlines. CiTF relies on human-sized management and a bold team. We can count on committed and motivated employees, and capitalize on a qualified team present from the beginning. Our values of transparency, teamwork, simplicity and agility allow us to offer you quality personalized services adapted to each of your projects. Your satisfaction being our main objective. Located in the Charentes-Cognac and Bordeaux basin, CiTF has been particularly sought after by the wine industry. And now offers innovative solutions to integrate into your processes. The development of innovative solutions led CiTF to the creation of an American subsidiary, CiTF GROUP INC. in 2018, which allows it to bring its expertise to its customers across the Atlantic.





WINE / AGRO INDUSTRY  
SPECIFIC / RETROFIT

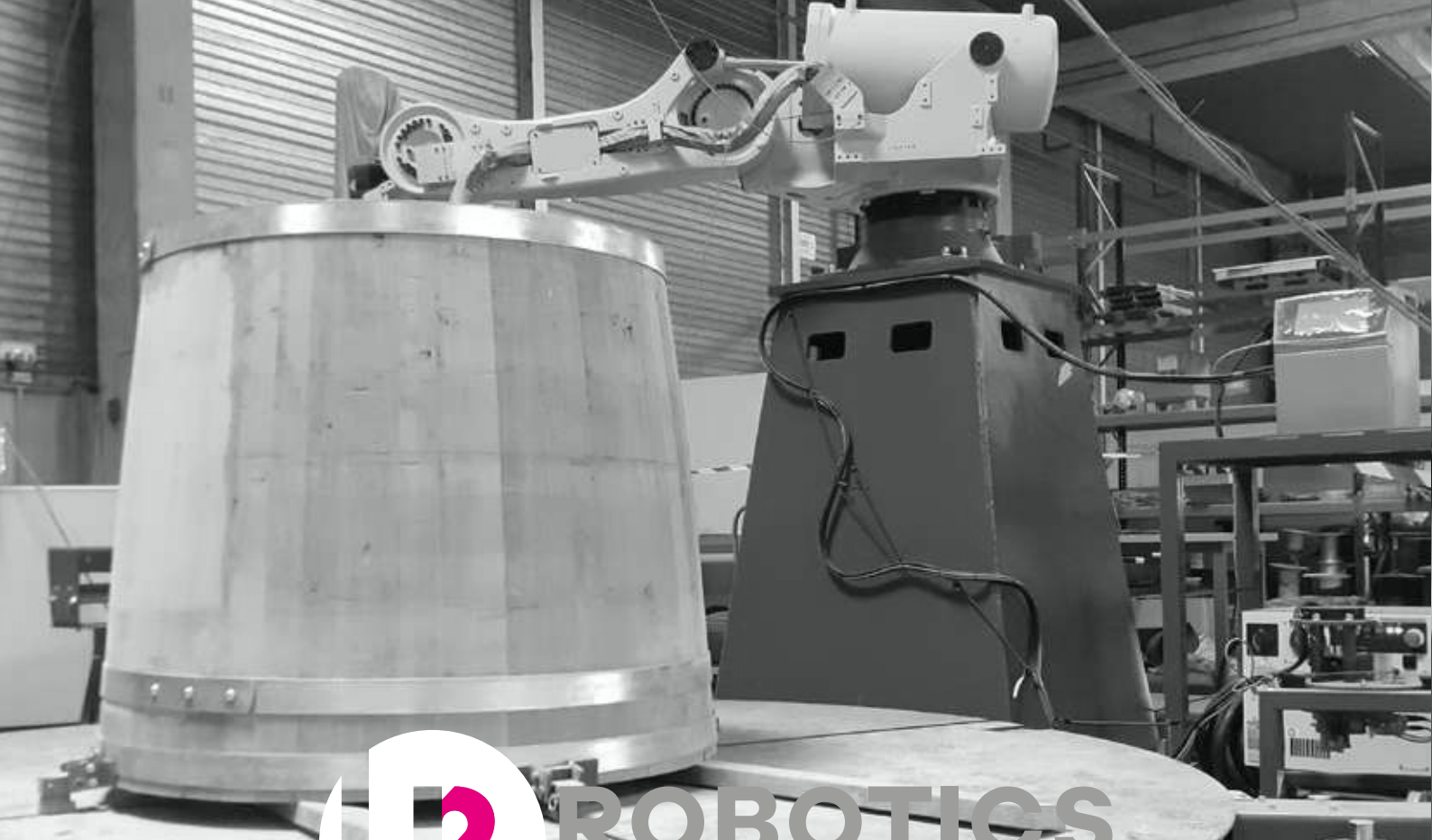


Advasol is a tech start-up focused on modern intralogistics and transport systems. End-of-the-line solutions of the e-commerce era require a different approach. Unitary casepacking, custom palletizing and flexible internal transport enable our customers to grow faster in changing economic conditions. Advasol is located near Poznań, in the western part of Poland, close to the German border, in an area known for its internal logistics systems. Advasol founders have 15th years of experience in project management, mechanical design and automation. This part of the group will deliver advanced logistic solutions for various industries.



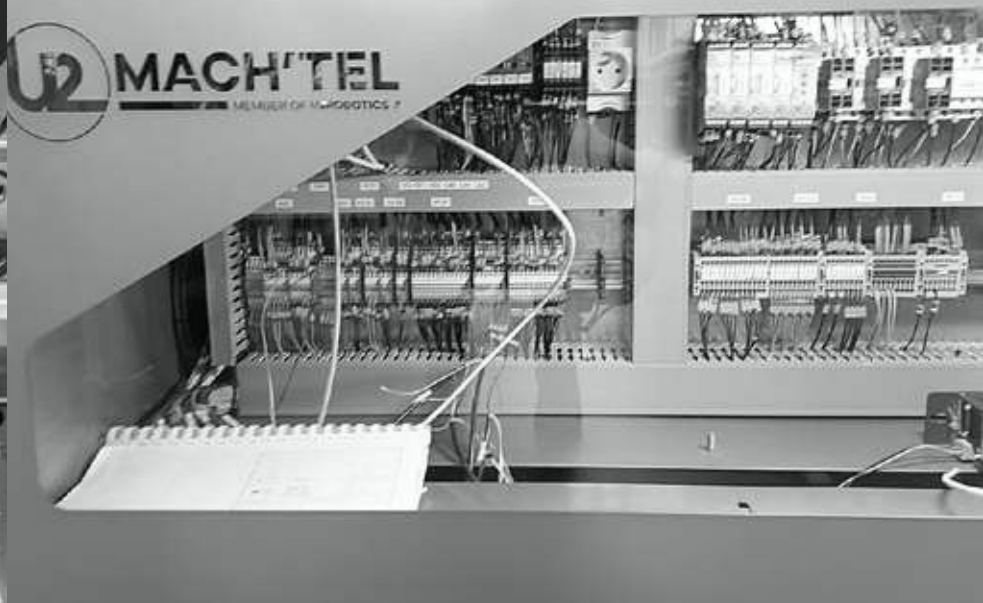
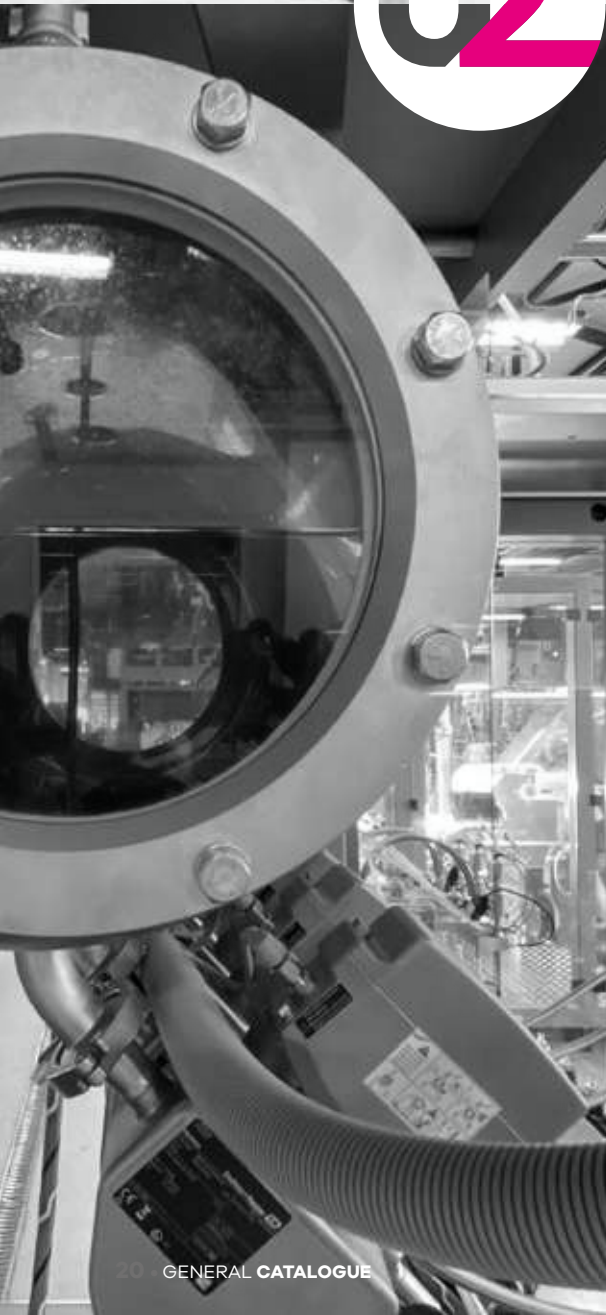
USA





# ROBOTICS

FLEXIBLE FACTORY





# LET'S TALK ABOUT THE REAL 4.0

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## Pack OS web app

Machine connected **WebApp with live hourly productivity monitoring**, Downtime automatic classification information about shift efficiency in all **U2 Robotics** machines is standard. Optional preventive maintenance tips, quality control, see page....

## Remote Video Support

**U2 Robotics** machines are equipped in video surveillance system, allowing to **detect and remove remotely process malfunctions**, Automatic "Dashcam" function helps maintenance team, and U2 Robotics support to keep video recording of categorized process malfunctions. This helps operators to communicate with our customer care, and resolve problems fast.

## 3D Printed format parts

**Easy access** to 3D printed **affordable** format machine parts through web portal, option of download, and immediate print, or order within 3-5 working days. Our service partner Cubic Inch can help factories to move their spare parts to the cloud instead of physical stock. This solution limits production downtime and saves money on expensive parts. **U2 Robotics** gives you free access to your parts library, see page...

## Pack ML

Machine connected **WebApp with live hourly productivity monitoring**, Downtime automatic classification information about shift efficiency in all **U2 Robotics** machines is standard. Optional preventive maintenance tips, quality control, see page...

# YOUR BUSINESS

## IXON safe network access

**U2 Robotics** machines are guaranteeing your **data safety** connected with safe VPN platform IXON, allowing machine data access, without accessing factories network, IXON platform is certified for highest Internet security level see page...



## HTML 5

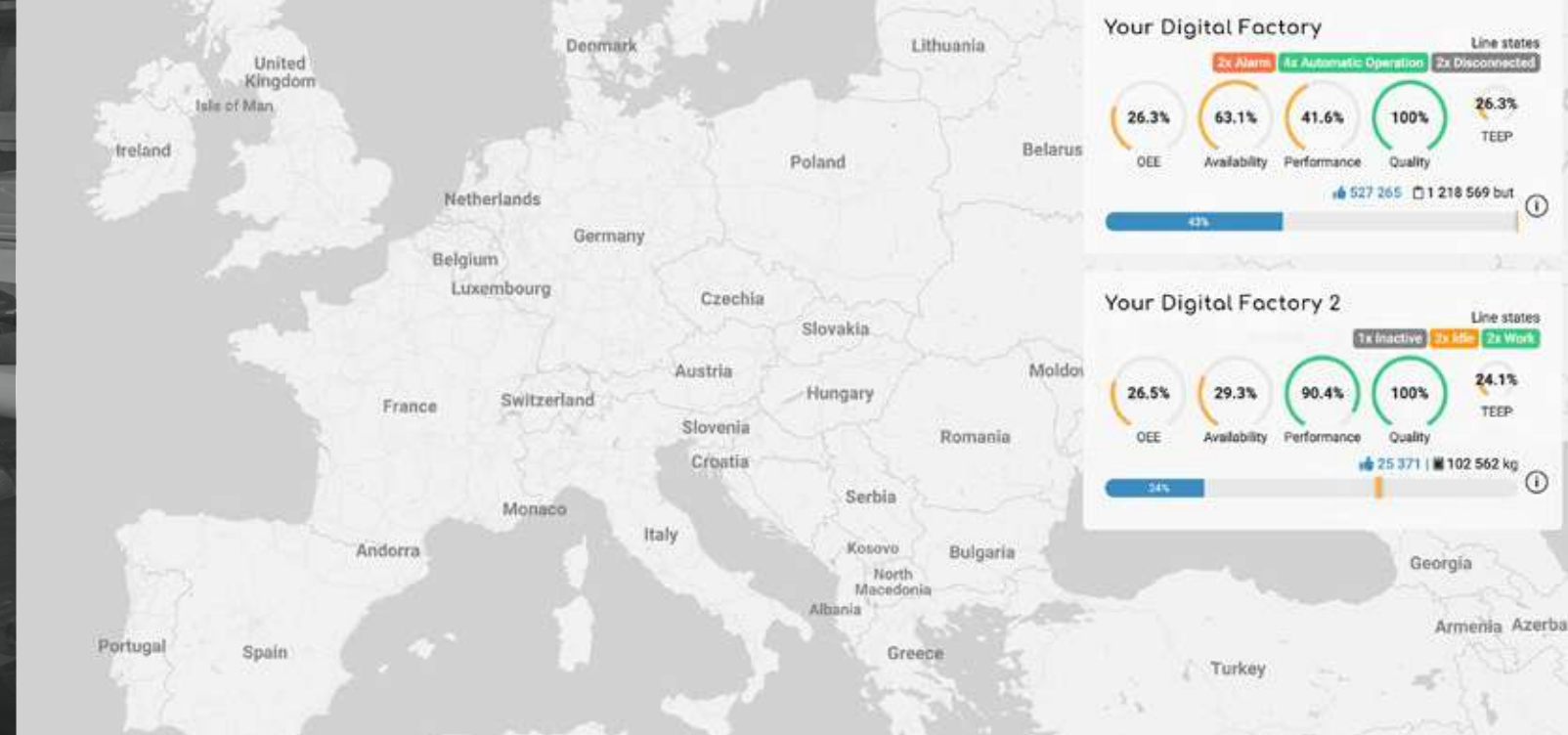
Get a mobile lineRobotics machines are using HTML 5 HMI, it guaranteeing your **data safety** connected with safe VPN platform IXON, allowing machine data access, without accessing factories network, IXON platform is certified for highest Internet security level see page...



## OPCUA

Connectivity and communication within the production process is one of the main pillars of Industry 4.0., which is why we have chosen to work with the OPC-UA standard within the U2 Robotics group.





PackOS, as a part of LogiX platform, is a powerful and user-friendly production monitoring software that provides **real-time performance monitoring with live OEE ratio calculation, downtime classification, and dynamic root cause analysis**. PackOS points out key efficiency losses on the production process and gives users insights on how to reduce them.

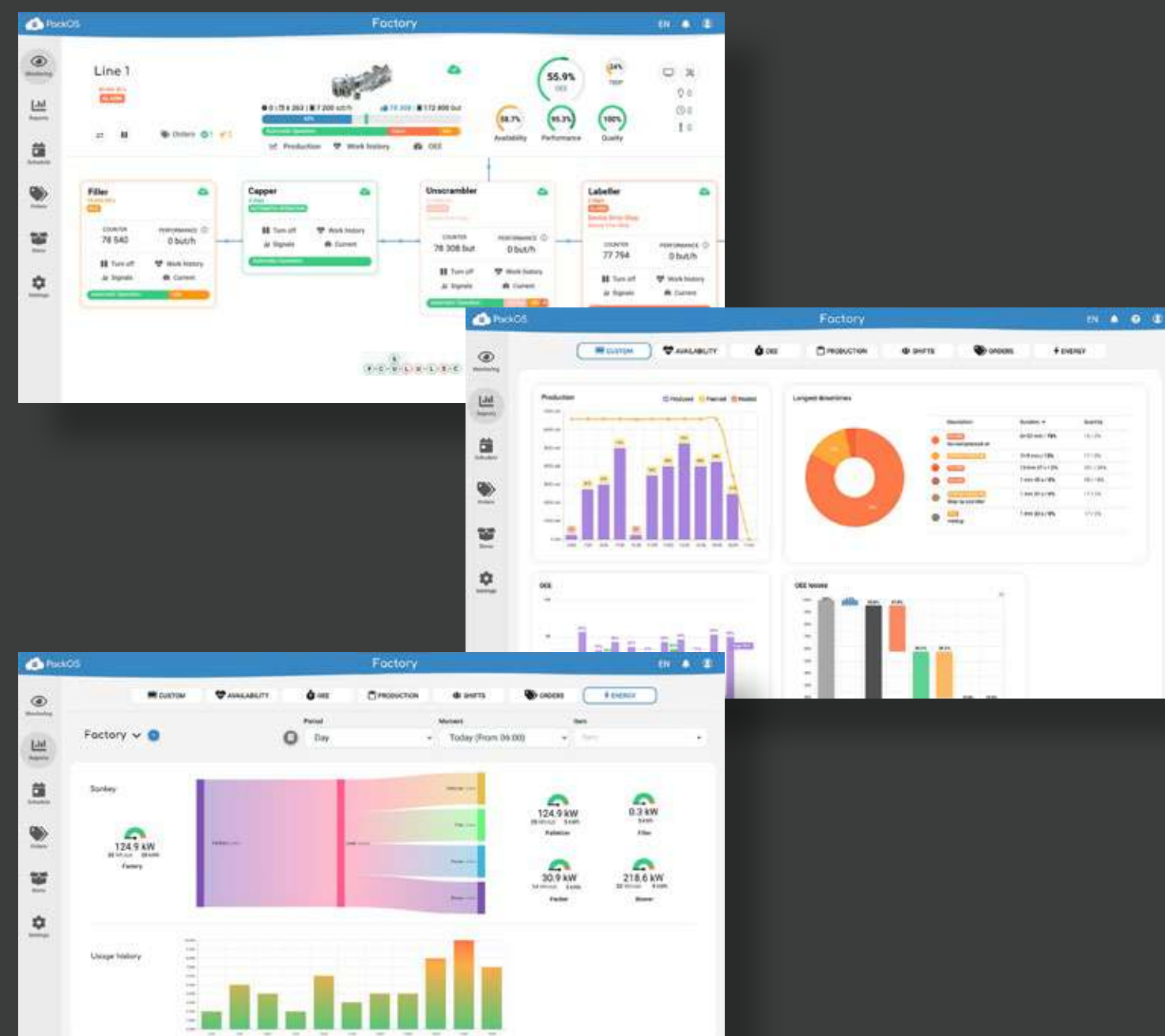
## The main benefits :

- On average from **10% to 35% increase** in production output
- First **results already in days and weeks**
- **New functionalities based on shared insights** from our Clients' community delivered in **SaaS model**

## The main functionalities :

- **Real-time performance monitoring** with live OEE ratio calculation of lines and production orders
- **Standardized dashboards** of all the factories worldwide
- **Automatic recognition** of downtime root-causes
- **Video problem analysis** and intelligent automatic problem recognition
- **Insights** on how to avoid or eliminate bottlenecks
- **Utilities monitoring** to optimize the costs of production
- **Historical and current reports** of the OEE indicators, downtime, or production orders performance
- **Dynamic ETA calculation** with order history and main performance issues
- **Special screens designed for shop floor displays** to help workers manage their daily work
- **Labour productivity monitoring**

powered by







## LET'S TALK ABOUT THE REAL 4.0

### HMI - HTML 5

*Using U2 Robotics machines is easy!*

You can manage it without any knowledge in robotics thanks to our user-friendly Human-Machine Interface displaying all necessary information about your current application and your machine.

Change formats just with a few clicks and access advanced statistics at any moment! All the technical data concerning your machine (electrical diagram, machine plans, material certificates etc) is also available on the HMI in .pdf format.

Just enter in the system with your RFID badge or your username and get all of the information needed. And that's it !



### OPCUA

*A flexible, reliable and secure communication protocol!*

Connectivity and communication within the production process is one of the main pillars of Industry 4.0., which is why we have chosen to work with the OPC-UA standard within the U2 Robotics group. The OPC-UA protocol is an independent and secure standard for information and service exchange. It enables industrial robots, machine tools and programmable logic controllers (PLC) to communicate with each other.

Having a common language makes data collection from source systems easy, flexible and accessible to all, regardless of the systems and solutions used in a factory.

The OPC standard is maintained by the OPC Foundation, an industry consortium that creates and maintains standards for automation.

By integrating this standard into our manufacturing processes, we meet all the requirements of today's growing automation.



## LET'S TALK ABOUT THE REAL 4.0

### REMOTE VIDEO

*a solution to improve the performance of your lines!  
Catch and fix even smallest anomalies of your machines.*

The principle of this application is similar to a dashcam: a camera films your machine while it's working. As soon as the software detects an error, it creates a short video sequence - before and after this error. Thanks to this video, your technician would just need to check a short video rather than hours of heavy multimedia files!

He can open this video on a tablet (included in the installation package), or you can access these videos remotely: on your PC, mobile phone, or even on your smartwatch!

And the cherry on the cake: this solution is compatible with ANY machine and not only with U2 Robotics machines.

Thanks to this system you can control the whole line: one control unit can manage up to 15 cameras or other devices.

### PACK ML

*Pack ML is an automation standard that makes it easier to transfer and retrieve consistent machine data. The primary goals of PackML are to encourage a common "look and feel" across a plant floor, and to enable and encourage industry innovation.*

Anyone building or working with a pack ML enabled machine can expect a common look and feel and consistent defined behaviours even if they come from different manufacturers and use different control systems. Pack ML defines a common structure for machine states, operating mode and packets of information that describe a machine's condition known as pack tags.

This is a packaging standard used in the machine control sector, specifically for packaging machines.



## LET'S TALK ABOUT THE REAL 4.0

### REMOTE MAINTENANCE

*How do we ensure the quality of the work of our machines?*

*Thanks to remote maintenance system.*

*We can intervene remotely to facilitate and accelerate the necessary maintenance.*

#### How it works?

##### Plant network integrity:

The IXON router creates VPN connection which doesn't necessitate any network infrastructure modifications (fire wall, proxy etc)

##### Non-intrusive solution:

The IXON technology guarantees that the remote-operator could only connect to the machine network and under no means to other equipment of the industrial site.

##### Secured solution:

The IXON solution is based on the VPN technology and provides certificate-based authentications for the remote-users

##### Wireless access to industrial equipment:

Some machines might be physically difficult to access. The WiFi access point of the IXON router makes it possible to configure the module from a PC or a touch-screen tablet.

##### Our expertise and assistance in one click

Our box registers faults, which can then be viewed on the tablet and via the same tablet you can call our experts by video.

##### Direct calls with Google Duo

We facilitate our maintenance with Google Duo - the highest quality video calling app. It's easy to use and compatible with any device.



When you face an issue with your machine - you simply click on the app and that's it! And the cherry on the cake: this solution is compatible with ANY machine and not only with U2 Robotics machines. Thanks to this system you can control the whole line: one control unit can manage up to 15 cameras or other devices.



### UFI & Quality Vision Inspection

*How do we ensure quality of the product including the correct product marking?*

All household chemical, cosmetics, pharma, food and beverage manufacturers benefit from automatic product marking and quality inspection solution that:

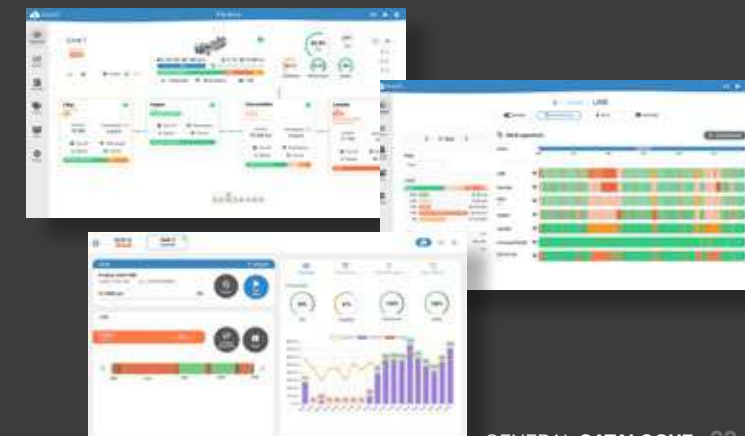
- Reduces losses and reworks, especially after each changeover
- Makes changeovers more automatic and faster.
- Eliminates unnecessary labor related with the quality control

#### The Solution based on LogicPRINT, LogiX and AI based image recognition:

- Automatically manages all printers on the line marking products with Batch, BBD, UFI, S/N and other data
- Automatically controls quality of every single product ensuring AQL is met
- Verifies if all printed markings are readable and correct
- Checks different production errors like:
  - Is artwork correct
  - Is artwork color variation within a limit
  - Is label wrinkled or misaligned
  - Is sleeve over- or under-shrunk and holed
  - Is box, bottle correctly closed, capped,
  - Is atomizer correctly aligned
- Size variation (box, can)
- Generates detailed marking and quality control report for each work order with all photos with errors and quality samples stored safely

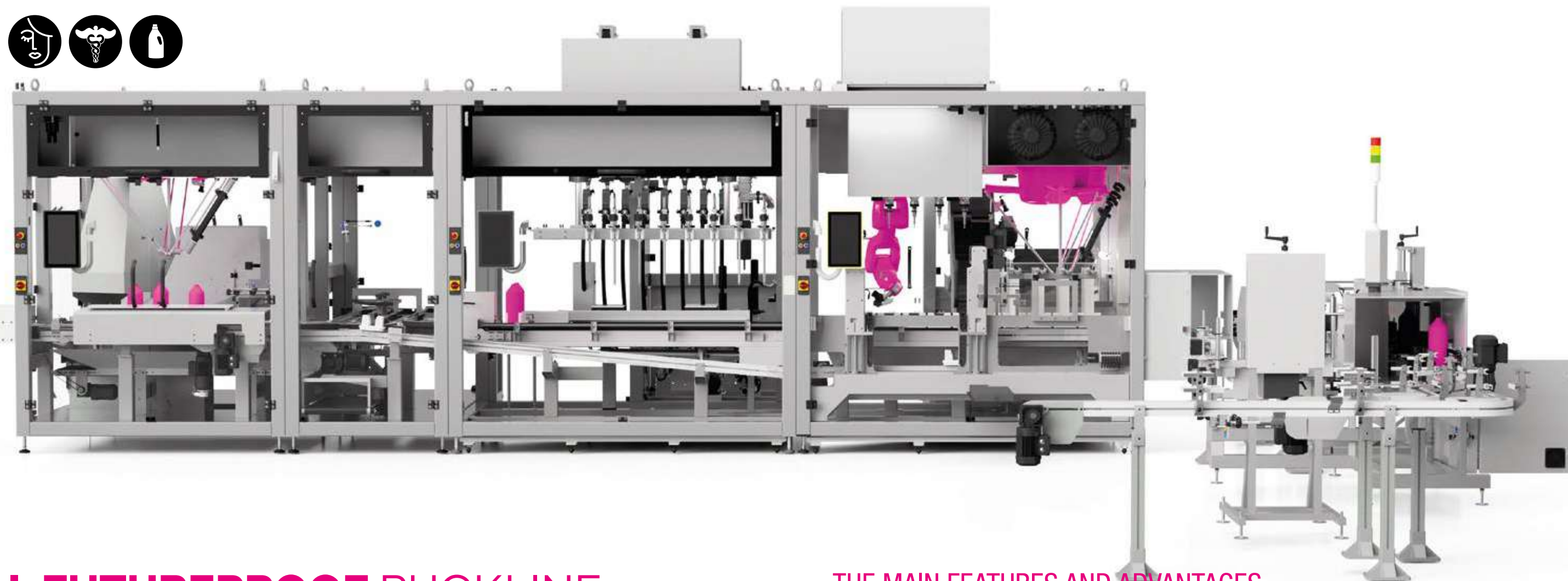
#### Technically it :

- Covers multiple formats like: boxes, bottles, jars, pouches, cans
- Comes with its own eject or can be built into existing machine or line eject
- Integrates with existing printers on the line or comes with new ones
- Starts from simple one camera systems and ends with multiple HiRes, HiSpeed with stitching and OCR
- Analyses up to 25 psc. per sec
- Integrates with different ERP, MES, and other business applications



powered by





# I. FUTUREPROOF PUCKLINE

## A flexible, innovative robotized production line,

designed to meet your expectations for short changeover, reliable operation with productivity of 60 ppm or 120 ppm. Unscrambling system is designed for sorting all types of packages. System is designed for minimum format parts usage and quick product changeover in 20 – 30 minutes. Due to use robot and vision system, machine requires no format parts (feeding to conveyor), or simple 3D printed gripper in case of puck feeding. System is able to feed transparent and non transparent bottles. Highly precise vision system with backlight provides easy working with any shape of bottle and material.

## Easy implementation of new product

can be performed with U2 software that runs with high quality HMI. PackOS system that is integrated with the machine provides full reporting of machine operation including machine availability, performance and quality.

The line is made up of the different modules from our range according to the needs of the project. Modules to discover in this catalog.

## THE MAIN FEATURES AND ADVANTAGES

- Robotised dosing line is useful for a wide range of soaps, shampoos, emulsions, household and chemicals product.
- Any shape of packaging and closure can be used, with fast changeover even short production runs can be achieved.
- Highly automated and autonomous operation with small amount of format parts results in changeover time of 20 – 30 minutes with CIP procedure executing.
- Modular designed and limited footprint for the operator.
- Visual management for maintenance team in automation cabinet, transparent and illuminated cabinets for visible and quick access.
- RFID card possibility.

### PUCKS TRANSPORT

- No need to stock a large number of pucks in the warehouse.
- The possibility of automatic changeover of the pucks, during which 3 procedures take place:  
CIP, changeover of the pucks (without operator) and the changeover of the format elements of the robots by operator.

### BOTTLE UNSCRAMBLER

- Automatic sorting of packages from hopper and feeding into the puck system.

### FILLER WITH INTEGRATED CIP

- Dosing by means of flow-meters – up to 16 filling nozzles.
- The integrated CIP procedure ensures fast and effective cleaning without unnecessary breakdowns.
- Self-learning and dose tracking system guarantees filling accuracy and a high quality of final product.

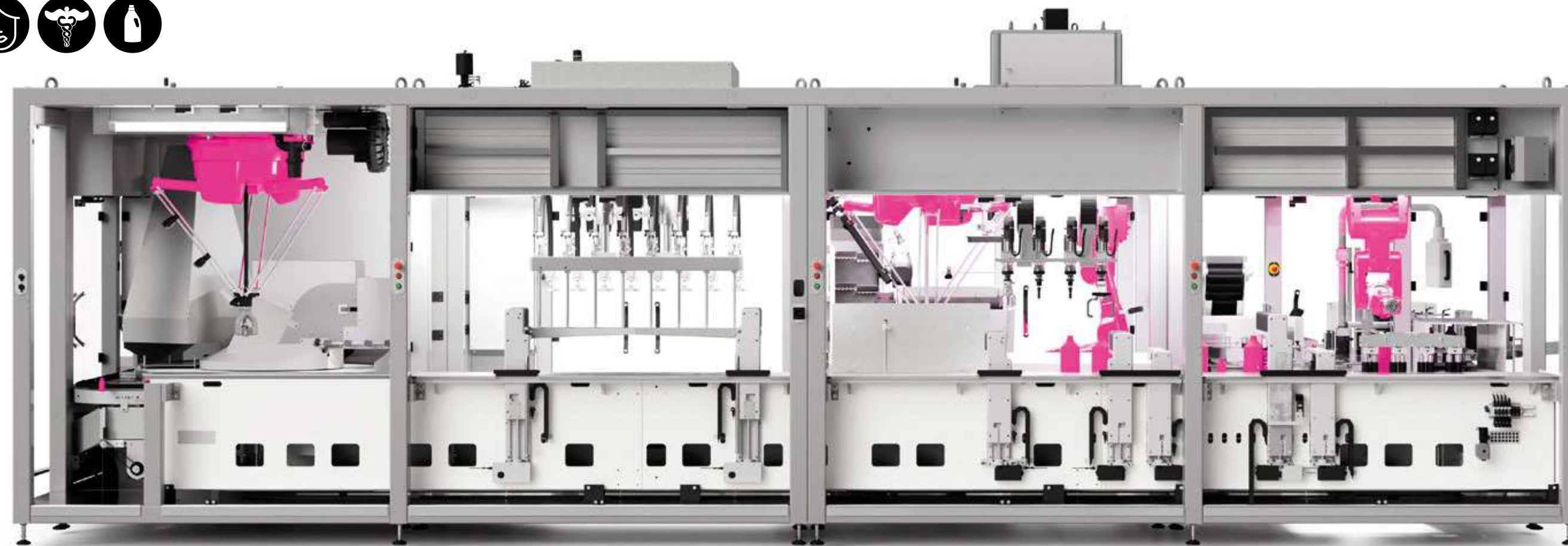
### CAPPING MACHINE FLEXICAPPER

- Flexicapper™ a system of capping heads (4-8 pcs) integrated with two or three robots that sort and feed the caps to the capping heads. This is the only system "on the market" that allows the feeding of closures without accumulation (no mutual contact).
- Capping machine Flexicapper™ for any type of closure: cosmetic pumps, sprays/triggers, flip-tops and push-pull closures.
- Automatic sorting of closures from hopper.
- Closure presence and quality verification system.

### LABELLER

- Non-stop labelling with double labelling heads maximising OEE.





# I. CLEANLINE MAGNETICLINE

**Cleanline is an integrated system of robotised modules including the form of a closed monoblock created agreeably to Industry 4.0 conception on the basis of the best components to enable you to meet the growing requirements of your customers.**

Fully automatic robotised sorting, dosing, capping and labelling line for lotion, skincare, perfumes, homecare, etc.

Cleanline is a solution that works with virtually any packaging shape and type of closure. The machine is designed for quick changeovers and frequent format changes. The format elements are printed on a 3D printer, which allows you to produce them quickly so it will allow you to launch new packages to the market in a few hours. Compared to traditional solutions, the machine has a much higher productivity per square meter of its area thanks to the maximum reduction of buffers based on the magnetic conveyor module. The Cleanline productivity is 50 - 60 or 100 - 120 pieces/minute depending on custom realization, liquid and components.

The line is made up of the different modules from our range according to the needs of the project. Modules to discover in this catalog.

## THE MAIN FEATURES AND ADVANTAGES

### GENERAL

- Designed for short production batches
- To introduce a new product you only need: a scan of the packaging, prepare the construction model for printing and print the 3D format part. 3D printed format parts allows to introduce new product directly after getting ready element.
- The machine works with almost every type of closures and bottles.
- The closed structure of the machine and the option of blowing the packages allows to work to a high quality standard
- Fast and easy toolless changeover of format parts to another product
- Software prepared for full machine monitoring providing detailed data (reports, downtimes and their interpretation, OEE)

### TRANSPORTER

- Possibility of simulation of machine performance with additional process - not possible with traditional conveyor.
- Integration adaptability: Intelligent conveyor is more flexible in terms of integration of additional applications in later stage of your project. You can for instance decide to add an additional station e.g.:second capping module (to achieve better efficiency) or weighing station
- Anti Splashing function: possibility of transporting bottles with high filling level and low viscosity (not possible on linea machines because of splashing).
- Thanks to its software we have full control over every millimetre of the transporter, thus there's no danger of collision of shuttles with each other.
- Shuttles are easily removable - fast and simple cleaning or changeover.
- Intelligent conveyor system enabling filling of various package types without puck and large format parts

### DOSING

- The robotised dosing line is useful for a wide range of soaps, shampoos, emulsions, household and chemical products.
- The integrated CIP procedure ensures fast and effective cleaning without unnecessary breakdowns.
- Self-learning and dose tracking system guarantees filling accuracy and a high quality of final product.
- Ability to rotate the packaging at the time of dosing (particularly important when dosing high viscosity liquids)
- Dosing-flow meter system equipped with an automatic cleaning system with up to 99 programmable cleaning process settings, for the selected fluid, and controlling the individual stages in the cleaning process with information on the panel about the current status.

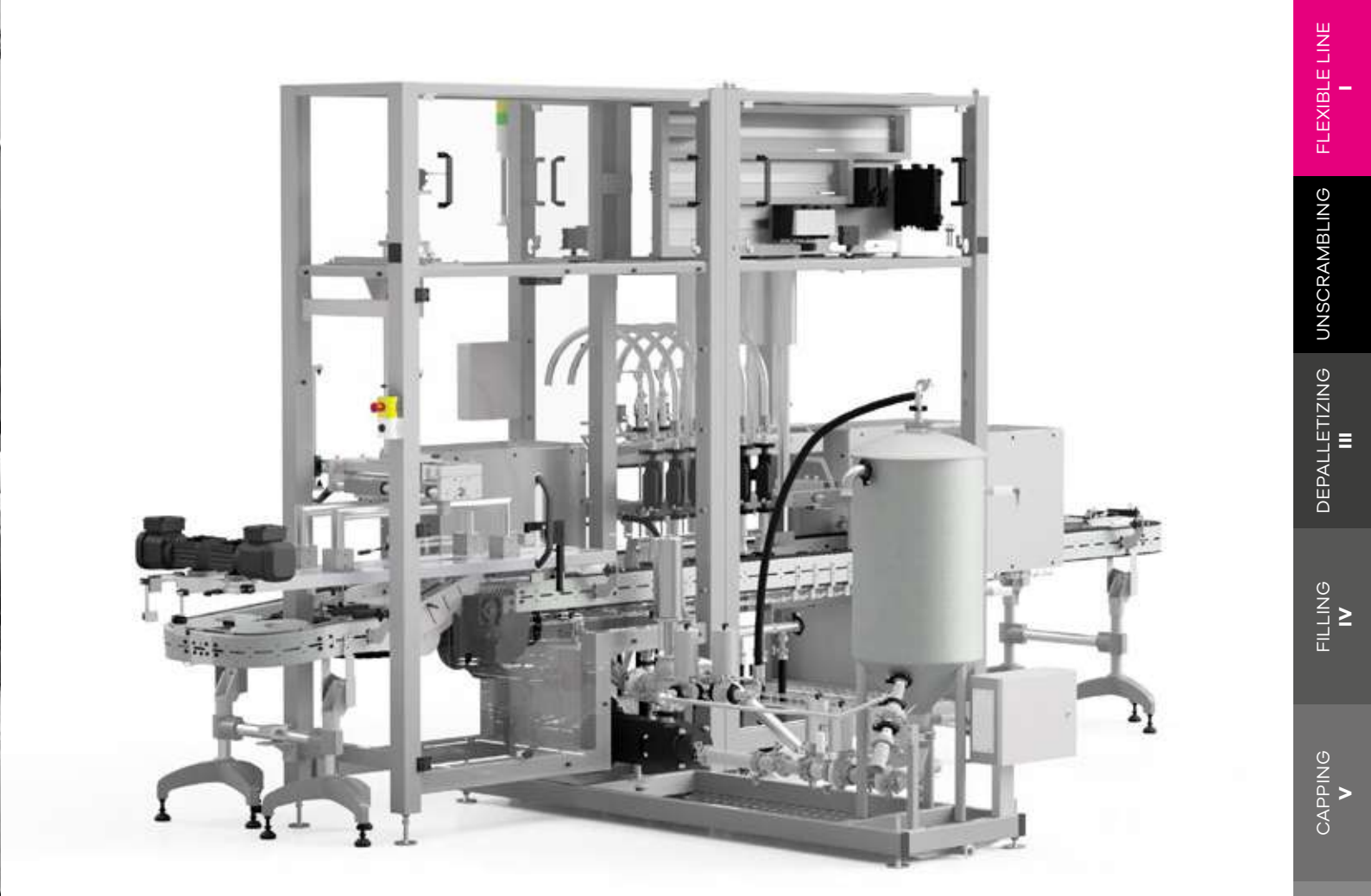
### ENCLOSURE

- Automatic sorting of bottles and closures consisting of several components.
- Verification system for quality and presence of the closure
- The machine equipped with two delta robots is able to replace the work of up to 8 operators
- The design of the cap sorter allows optimal distribution of closures across the entire conveyor width and reduces damage to fragile closures.

### LABELLERS

- Possible non-stop labelling with double labelling heads
- maximising OEE.
- Productivity up to 60 or 120 ppm





# I. COSMOLINE 40



**Cosmoline 40 has been designed for a short series of products and frequent, toolless changeovers which only take a very short amount of time.**

The device works in the system of regulated format pucks, thanks to which any bottle shape (e.g. jars, PET bottles, cans etc.) may be served without a time-consuming and complicated changeover of the whole line. Cosmoline filler works with a wide range of liquids (cosmetics, mineral oil, homecare, chemical, etc.). Filling by flowmeter (massflowmeter or electromagnetic) or by volumetric(pistons). Number of filling nozzles define on request depends on filling volume and machine speed (from 2 to 8)  
Liquid may be taken directly from the IBC container placed next to the machine or from a special funnel located above the filler. The machine is able to work with any type of the closure. The line is also equipped with an automatic product depacker which takes out products from the pucks and feeding them for labelling. The labelling machine can perform the wraparound labelling (circular packages) or the front/back one.



## THE MAIN FEATURES AND ADVANTAGES

- All pucks are easy to changeover.
- Pucks Work with any package shape and type.
- The dosing line is useful for a wide range of cosmetics: soaps, shampoos and emulsions.  
The filler is equipped in system to control filling volume with following the level of the nozzles to prevent splashing if required. Filling of any liquid substances from watery ones (water, acetone, alcohol) to very thick ones (honey, cream, balm).
- Filling ranges from 5 to 2000 ml  
Dosing by means of flow-meters – up to six filling stations for body lotion lines.  
Dosing by means of piston-pump for skin care products.  
All components which have contact with liquid dosing are easy to dismount.
- Capping machines for any type of closures: cosmetic pumps, sprays/triggers, flip-tops, push-pull closures.
- Possibility of automatic infeed of closures to the capper
- Closure quality control system.
- Fast and easy changeover to another product
- Precise labelling of packages
- Possibility of detecting the presence of a label
- Productivity up to 45 pcs./min





# I. HEMILINE 40



**Fully automatic or integrated system of modular functionalities, filling, closing and labelling based on a transporter without pucks.**

Thanks to its filling system, the machine is able to handle a very wide range of fluid volumes, various viscosity and density, foaming, alcohol-based, etc.

The machine is designed for quick changeovers and frequent format changes, for which no tools are needed. Thanks to its linear design, the machine does not require long start-ups and mechanical adjustments when starting new formats.

The machine works with almost every type of cap and bottle.

Thanks to its modular construction, the line can be easily expanded with further applications.



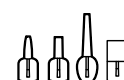
## THE MAIN FEATURES AND ADVANTAGES

- Toolless change of settings – with no changeover of the whole line
- Very fast and simple to changeover
- Hygiene and work safety (drives placed over the working area)
- The machine is compatible with most available liquids
- Changeover of the machine does not require tools and takes approximately 25 minutes.
- The filler is equipped in system to control filling volume with following the level of the nozzles to prevent splashing if required.
- The electromagnetic flowmeters – a wide range of industrial chemistry products and household chemistry doses is useful
- 4-8 servo-driven filling nozzles
- Thanks to the flow meter system, the machine is capable of operating over a very wide volume range of 20-5000ml
- the wet system is made of PVC
- The dispensers generally work with a buffer tank; for aggressive liquids we cover them with a resistant PVA cover.
- Centring of bottle necks
- It is possible to make a chemical proof dispenser
- stainless conveyor belts in machine, drip trays for chemical editing
- washing of the conveyor or conveyor chain for chemical liquids
- All components which have contact with liquid dosing are easy to dismount.
- The machine covers are made of safety glass (all except the labellers)
- Capping of any type of caps (triggers, sprays etc.)
- Cap presence verification system
- Capping machines for any type of closures: cosmetic pumps, sprays/triggers, flip-tops, push-pull closures.
- Possibility of automatic infeed of closures to the capper
- Closure quality control system with optional reject station
- Precise labelling of packages
- Possibility of detecting the presence of a label
- The machine works with almost every type of cap and bottle
- Productivity up to 50 pcs./min
- Possibility of adding an alu lids sealing device
- dynamic flow scales
- feeding of two closures or insert (push station)





## I. COSMOLINE 30



The CosmoLine 30 series machines are used for the dosing and closing of cosmetic products with both a low and high viscosity.

They support a wide range of doses (from 3 ml to ~300 ml) and almost any shape of components. Thanks to its special transport system, producing even the smallest and very unstable packaging is not a problem.

Transport of the product is carried out by so-called carousel (i.e. index feeder), which has the task to transport packaging between functionality stations: bottles feeding, filling station, first component application station (inserts/alulids), final capping station with verification of correct closure application with integrated reject. Outside of the machine possibility to add additional station for applying aluminum foil lids, plastic discs, atomizers and brushes. One of the advantages of CosmoLine 30 is its single-frame construction.

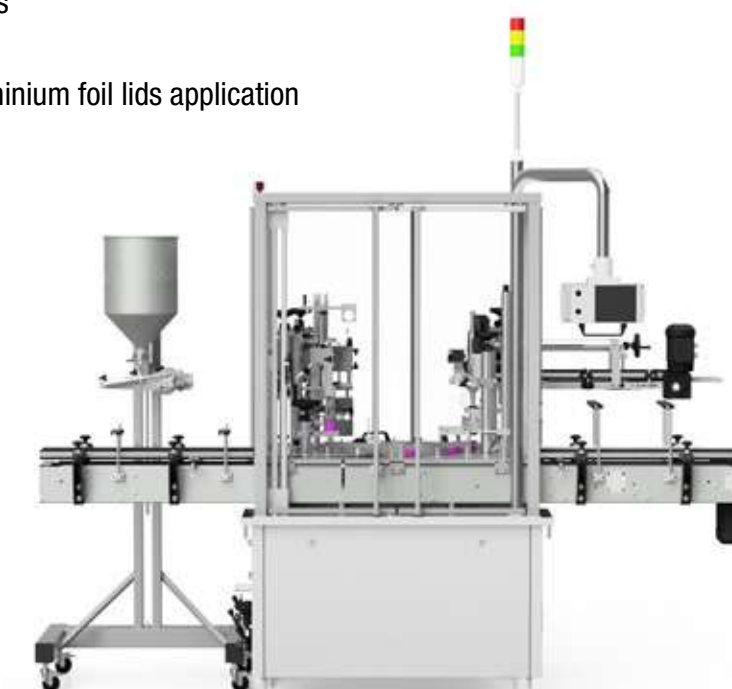
Thanks to its compact design, the line takes up as little space as possible and is ideal for working with limited space. We offer three pre-configured versions of the CosmoLine 30 device: for skin care, perfume and nail polish producers.



## COSMOLINE 30 SKIN CARE

The line is designed for dosing, application aluminum foil lids and closing glass and plastic jars with cosmetic products.

- works with round packages
- wide range of doses available (from 5 ml to 300 ml)
- application station for aluminum foil lids
- Capping head with servo-drive for sensitive caps
- manual or automatic application of components
- Verification stations for correct closure and aluminium foil lids application
- Reject integrated inside the machine
- productivity up to 30-40 pcs./min







## COSMOLINE 30 PERFUME

**Pucks line for dosing and closing perfumes and other low-viscosity or alcohol-based cosmetic products, e.g. micellar lotions or aftershave.**

- works with any shape and type of packaging thanks to format pucks
- wide range of dosages (from 15 ml to 100 ml)
- equipped with a level suction station
- atomizers application station
- capping head with servo-drive for sensitive caps
- manual or automatic feeding of components
- possible extension for dosing flammable products
- productivity up to 20-30 pcs./min



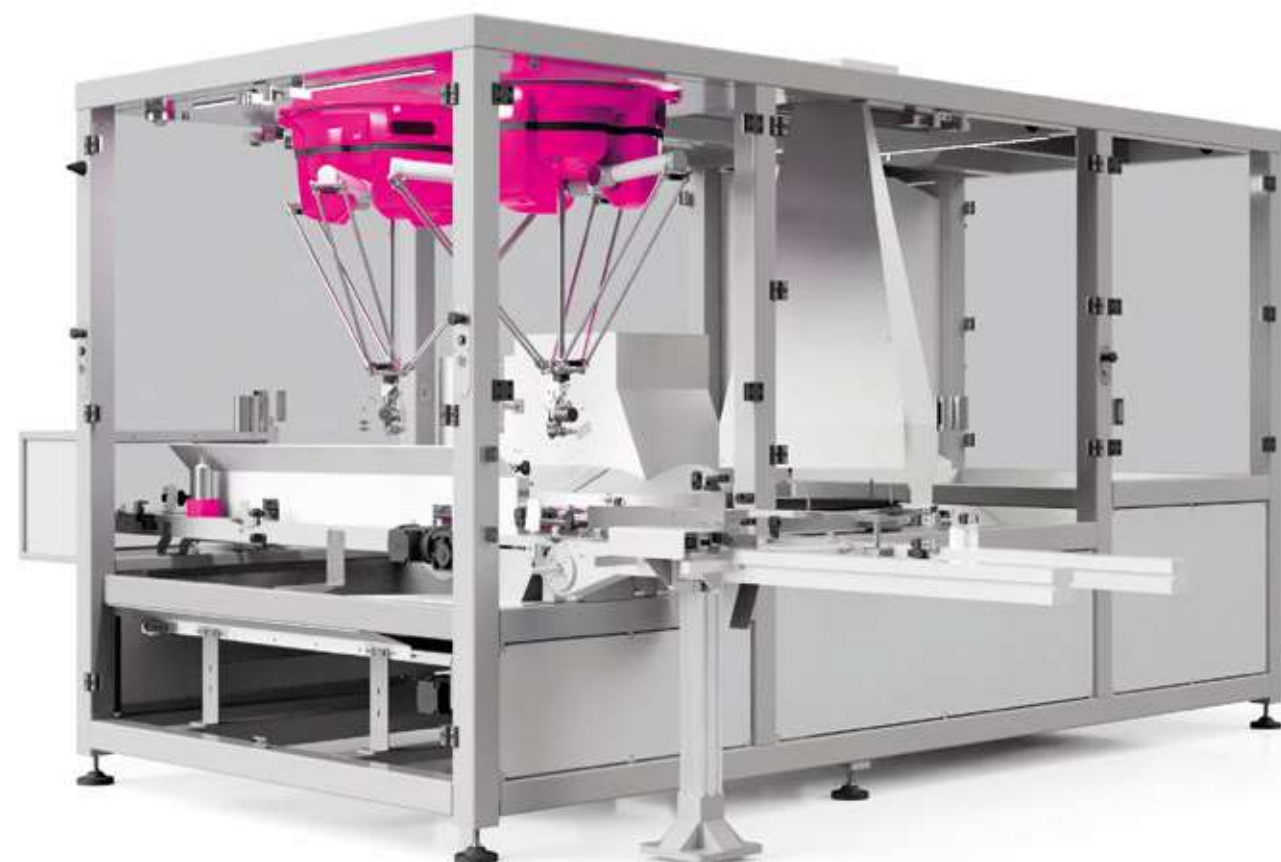
## COSMOLINE 30 NAIL POLISH

**The automatic, compact line for pouring and capping of nail care products such as: both hybrid and basic nail polish as well as protein bases.**

- works with any package shape and type
- wide range of doses available (from 3 ml to 15 ml)
- capping head with servo-drive for sensitive caps
- manual or automatic application of components – up to three different functions in one process (brush, closure and colour tagging)
- optionally equipped with a weight control system
- possible extension for dosing flammable products
- productivity up to 25-40 pcs./min







## II. UNSCRAMBLING

**SOLUTION  
BREVETÉE**

Our robotic bottle sorter is suitable for a quick and easy series change. Once the new layout is saved in the database, the format change will be done within a few seconds. This makes it possible to maintain a high production rate even if you need to treat different formats. Saving a new layout is purely intuitive which makes usage of our machine extremely simple. After all it doesn't require any knowledge in robotics.

### FLEXI-SORTER

- II.1 **BOTTLES** SORTER CC
- II.2 **BOTTLES** SORTER C1
- II.3 **BOTTLES** SORTER C2
- II.4 **BOTTLES** SORTER L2
- II.5 **PARTS** SORTER L1
- II.6 **PARTS** SORTER L2



### Product supply

- Bulk products

### Product handle

- Plastic contenair

### Speed

- Up to 120 PPM

### Options

- Orientation
- Cleaning
- Marking (printing, graving etc.)





## II.1 BOTTLES SORTER CC

Containers bulk-fed in hopper (manually or automatically)

Deposit on :

- Vacuum conveyor
- In pucks
- Magnetic conveyor

UP TO  
60 CPM



SPEED RATE

2M X 1.7M



DIMENSIONS

0,2M³



BIN FEEDER

1X DELTA



ROBOT

15ML TO  
200ML



BOTTLE

PLASTIC



MATERIAL

### Components parts

- Bin feeder with lift conveyor
- Product transfer carousel
- Camera and lighting system
- Integrated backlight illuminator
- 1 delta robot
- Machine frame and machine CEE standard

### Standard Options

- Deposit in pucks with puck transfer gestion
- Asymmetrical containers
- Bottle dust removal
- Containers marking (printing, graving, ...)
- Vacuum belt conveyor.



## II.2 BOTTLES SORTER C1

Containers bulk-fed in hopper (manually or automatically)

Deposit on :

- Vacuum conveyor
- In pucks
- Magnetic conveyor

UP TO  
60 CPM



SPEED RATE

3,25M  
X 1,9M



DIMENSIONS

1,0 M³



BIN FEEDER

1X DELTA



ROBOT

15ML TO  
1000ML



BOTTLE

PLASTIC



MATERIAL

### Components parts

- Bin feeder with lift conveyor
- Product transfer carousel
- Camera and lighting system
- Integrated backlight illuminator
- 1 delta robot
- Machine frame and machine CEE standard

### Standard Options

- Deposit in pucks with puck transfer gestion
- Asymmetrical containers
- Bottle dust removal
- Containers marking (printing, graving, ...)
- Vacuum belt conveyor.





## II.3 BOTTLES SORTER C2

Containers bulk-fed in hopper (manually or automatically)

Deposit on :

- Vacuum conveyor
- In pucks
- Magnetic conveyor

UP TO  
100 CPM



SPEED RATE

3,83M  
X 2,4M



DIMENSIONS

1,2 M³



BIN FEEDER

2X DELTA



ROBOT

15ML TO  
1000ML



BOTTLE

PLASTIC



MATERIAL

### Components parts

- Bin feeder with lift conveyor
- Product transfer carousel
- Camera and lighting system
- Integrated backlight illuminator
- 2 delta robots
- Machine frame and machine CEE standard

### Standard Options

- Deposit in pucks with puck transfer gestion
- Asymmetrical containers
- Bottle dust removal
- Containers marking (printing, graving, ...)
- Vacuum belt conveyor.



## II.4 BOTTLES SORTER L2

Containers bulk-fed in hopper (manually or automatically)

Deposit on :

- Vacuum conveyor
- In pucks
- Magnetic conveyor

UP TO  
120 CPM



SPEED RATE

5,2M  
X 2,4M



DIMENSIONS

1,5 M³



BIN FEEDER

2X DELTA



ROBOT

15ML TO  
5000ML



BOTTLE

PLASTIC



MATERIAL

### Components parts

- Bin feeder with lift conveyor
- Product transfer carousel
- Camera and lighting system
- Integrated backlight illuminator
- 2 delta robots
- Machine frame and machine CEE standard

### Standard Options

- Deposit in pucks with puck transfer gestion
- Asymmetrical containers
- Bottle dust removal
- Containers marking (printing, graving, ...)
- Vacuum belt conveyor.







## II.5 PARTS SORTER L1

Containers bulk-fed in hopper (manually or automatically)

Deposit on :

- Vacuum conveyor
- In pucks
- 3D printing parts
- Magnetic conveyor
- Levitation transfer
- Others depends of your needs

UP TO  
40 PPM



SPEED RATE

4M  
X 1,55M



DIMENSIONS

0,2 M<sup>3</sup>



BIN FEEDER

1X 6-AXIS



ROBOT

PLASTIC  
METAL



MATERIAL

### Components parts

- Bin feeder with lift conveyor
- Product transfer linear
- Camera and lighting system
- 1x 6 axis robots
- Machine frame and machine CEE standard

### Standard Options

- Deposit in pucks  
with puck transfer gestion



## II.6 PARTS SORTER L2

Containers bulk-fed in hopper (manually or automatically)

Deposit on :

- Vacuum conveyor
- In pucks
- 3D printing parts
- Magnetic conveyor
- Levitation transfer
- Others depends of your needs

UP TO  
80 PPM



SPEED RATE

4M  
X 1,55M



DIMENSIONS

0,4 M<sup>3</sup>



BIN FEEDER

2X 6-AXIS



ROBOT

PLASTIC  
METAL



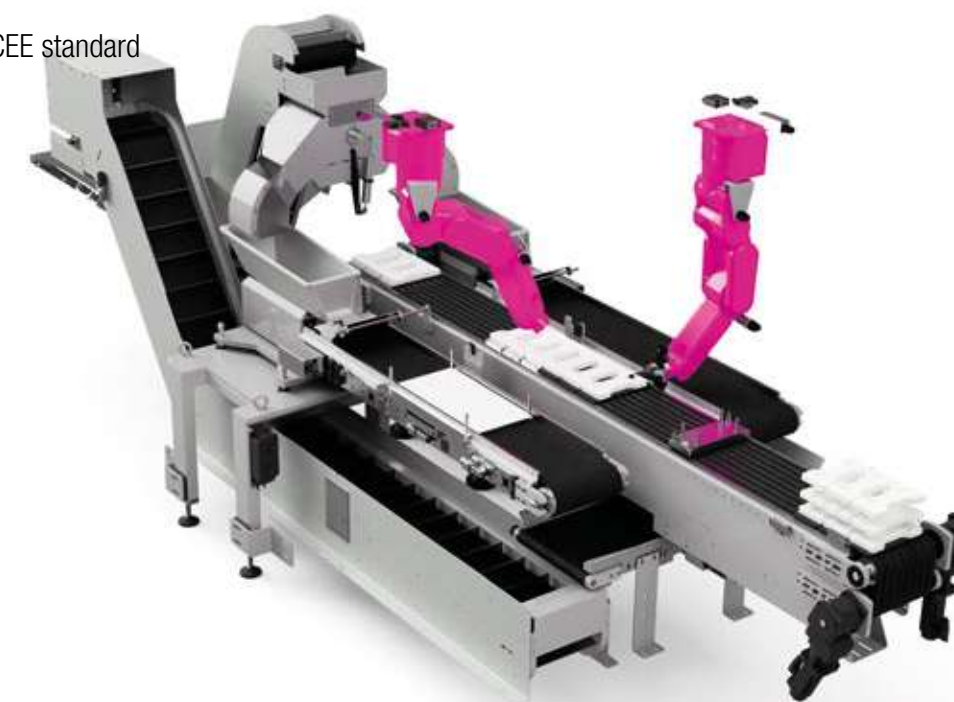
MATERIAL

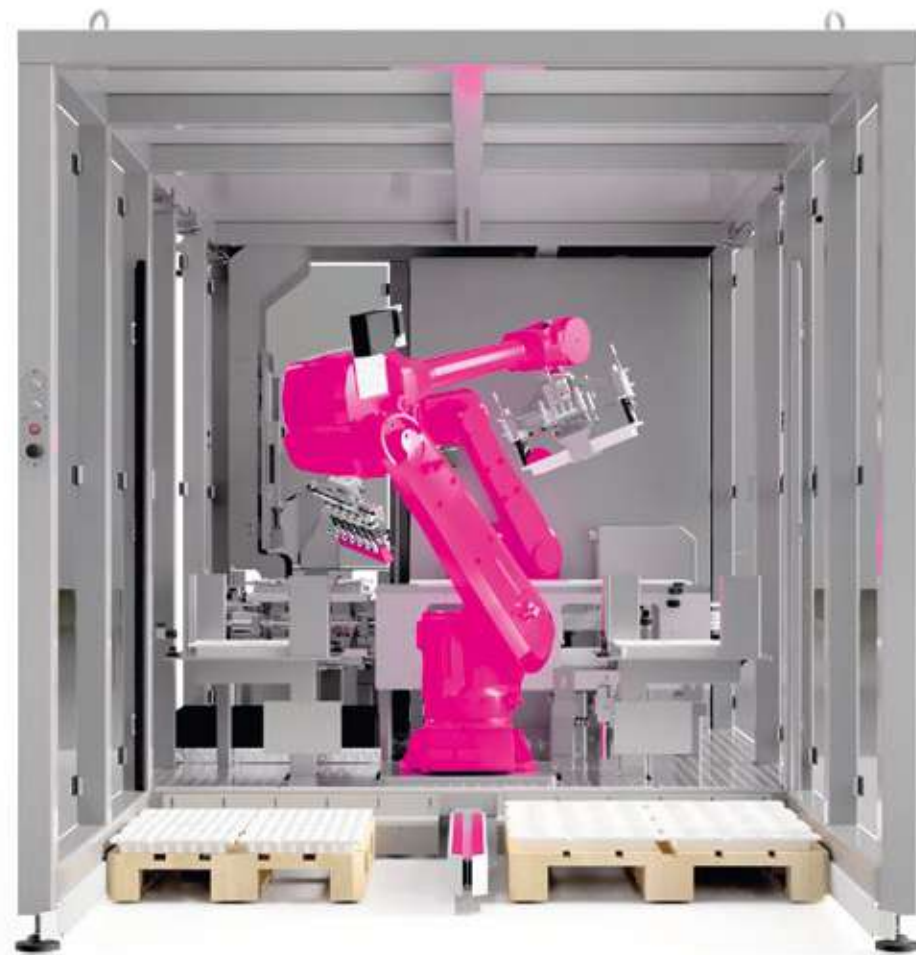
### Components parts

- Bin feeder with lift conveyor
- Product transfer linear
- Camera and lighting system
- 2x 6 axis robots
- Machine frame and machine CEE standard

### Standard Options

- Deposit in pucks  
with puck transfer gestion





## III. DEPALETIZING

Our depalletizer deliver products from plastic and carton trays to your production line. This solution has been developed for you to be able to distribut your various components on the line. One of the main benefits of this flexible depalletizer is to speed up your line, simplify the distribution and allows you quick and easy changeover of existing or futur formats. Using this lastest technology allow you to define the position of the component on the pallets.

### FLEXI-DEPALETIZER

III.1 **PRODUCT** DEPAL

III.2 **TRAY** DEPAL



### Product supply

- Product on pallets, on trays, in box etc.
- Trays, box with manual feeding
- Any type of interlayer
- Any patterns

### Product handle

- Any raw material (plastic, metal, glass ...)
- Large range of size (caps, bottles, cannister, components ...)

### Speed

- Depending of component and pattern
- Two common main applications :
  - 60 pieces / min
  - 120 pieces / min

### Trays type

- Plastic, carton, aluminum, steel...





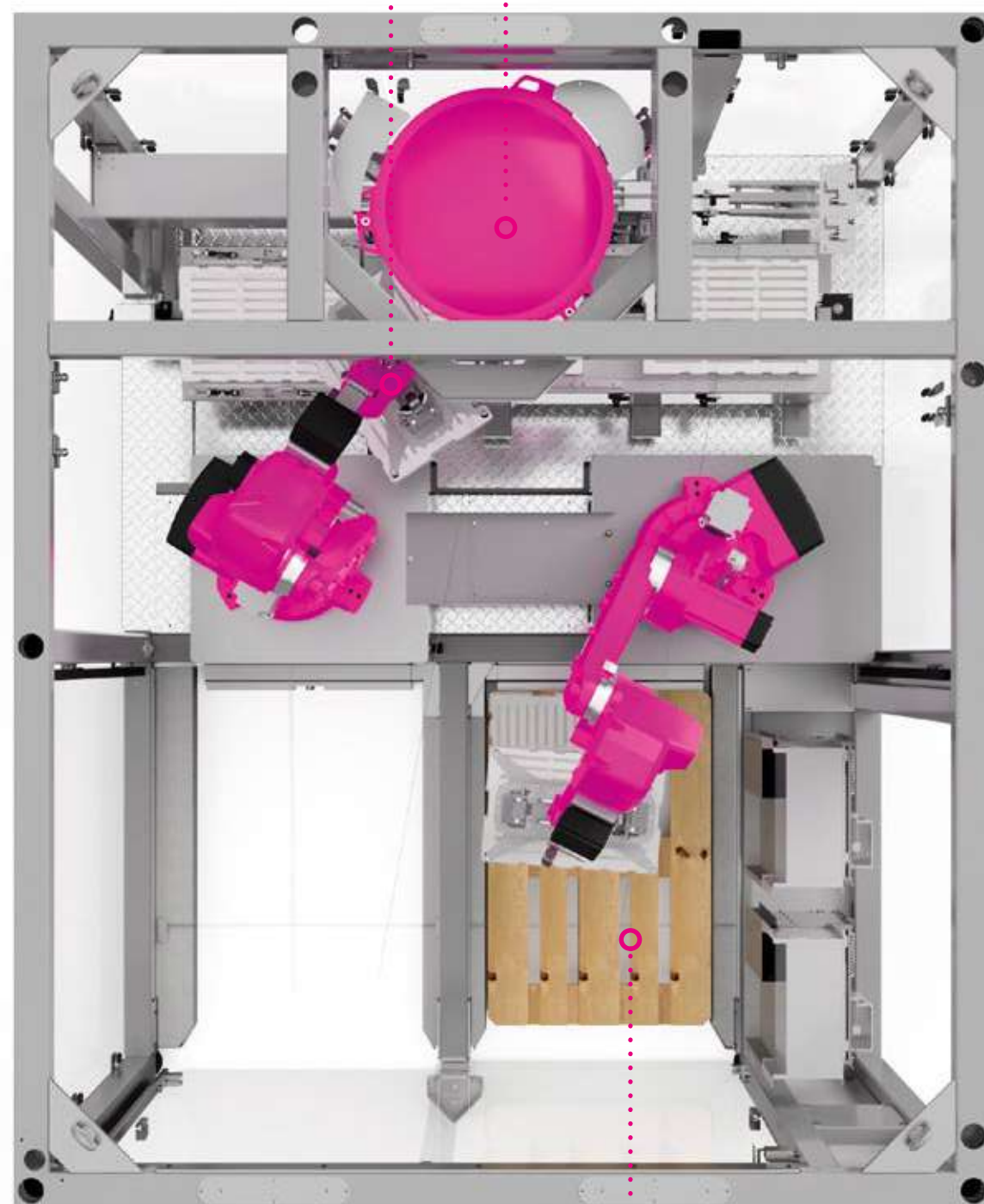
## ROBOT 2

- Taking empty tray from the picking area
- Palletizing empty tray to the pallet



## ROBOT 3

- Picking product in the tray
- Deposit product on the transfer system



## ROBOT 1

- Picking tray with product on the pallet
- Supplying tray to the picking area



## III.1 PRODUCT DEPAL

- Picking products on pallet
- Picking product by line
- Interlayer, tray management
- Fast and easy toolless changeover to another product as new product

60 PCS/MIN  
120 PCS/MIN



SPEED RATE

FLEXIBLE  
(ACCORDING TO  
YOUR NEEDS)



DIMENSIONS

0,8 X 1,2M  
1,0 X 1,2M



PALLETS

1 TO 3  
6 AXIS



ROBOT

ANY  
DIMENSIONS



TRAY

## Product deposit

- On conveyor (mechanical, magnetic, pucks, levitation moover...)
- On mechanical transfer
- Dedicate location depending of customer application

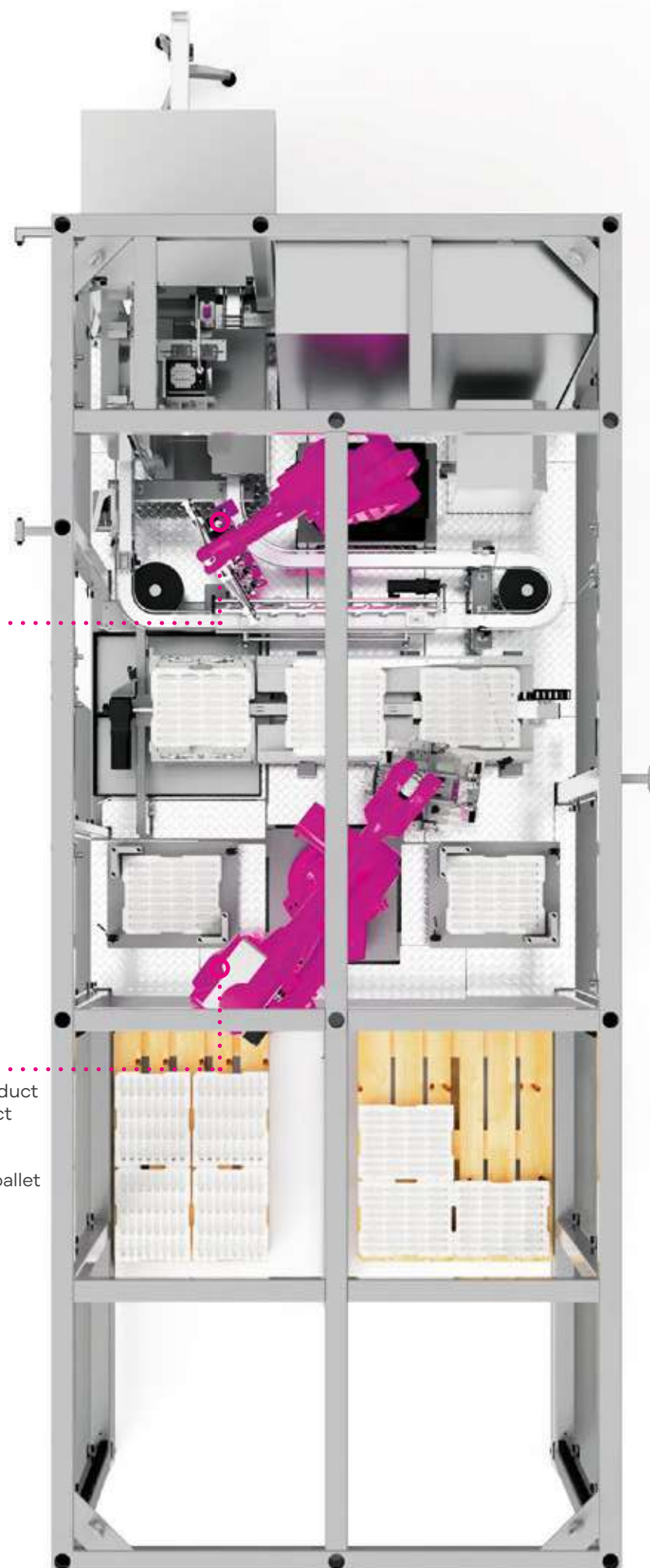
## Pallets

- Dimension : any
- Pallets management : manually, conveyor, AGV...
- Empty pallets outfeed : manually, conveyor, AGV...
- Pallets access : door, no door, automatic door...

## Standard Options

- Product orientation
- Product marking (printing, graving...)
- Product cleaning
- Supplying two different lines
- etc.



**ROBOT 2**

- Picking product in the tray
- Deposit product on the transfer system

**ROBOT 1**

- Depalletizing tray with product
- Supplying tray with product to the picking area
- Picking empty tray
- Palletizing empty tray on pallet

**III.2 TRAY DEPAL**

- Picking tray on pallet
- Picking product by line in the tray
- Empty tray management
- Fast and easy toolless changeover to another product as new product

60 PCS/MIN  
120 PCS/MIN

SPEED RATE

FLEXIBLE  
(ACCORDING TO  
YOUR NEEDS)

DIMENSIONS

0,8 X 1,2M  
1,0 X 1,2M

PALLETS

1 TO 3  
6 AXIS

ROBOT

PLASTIC  
METAL

MATERIAL

**Product deposit**

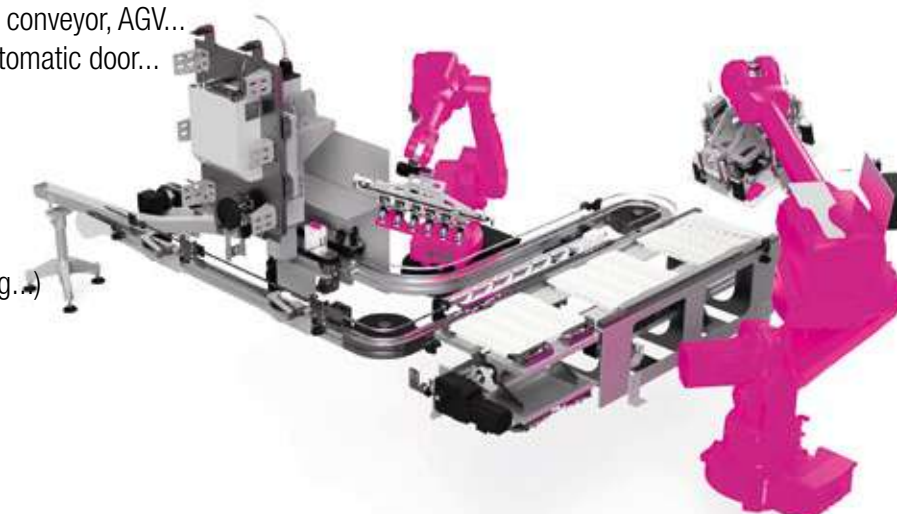
- On conveyor (mechanical, magnetic, pucks, levitation moover...)
- On mechanical transfer
- Dedicate location depending of customer application

**Pallets**

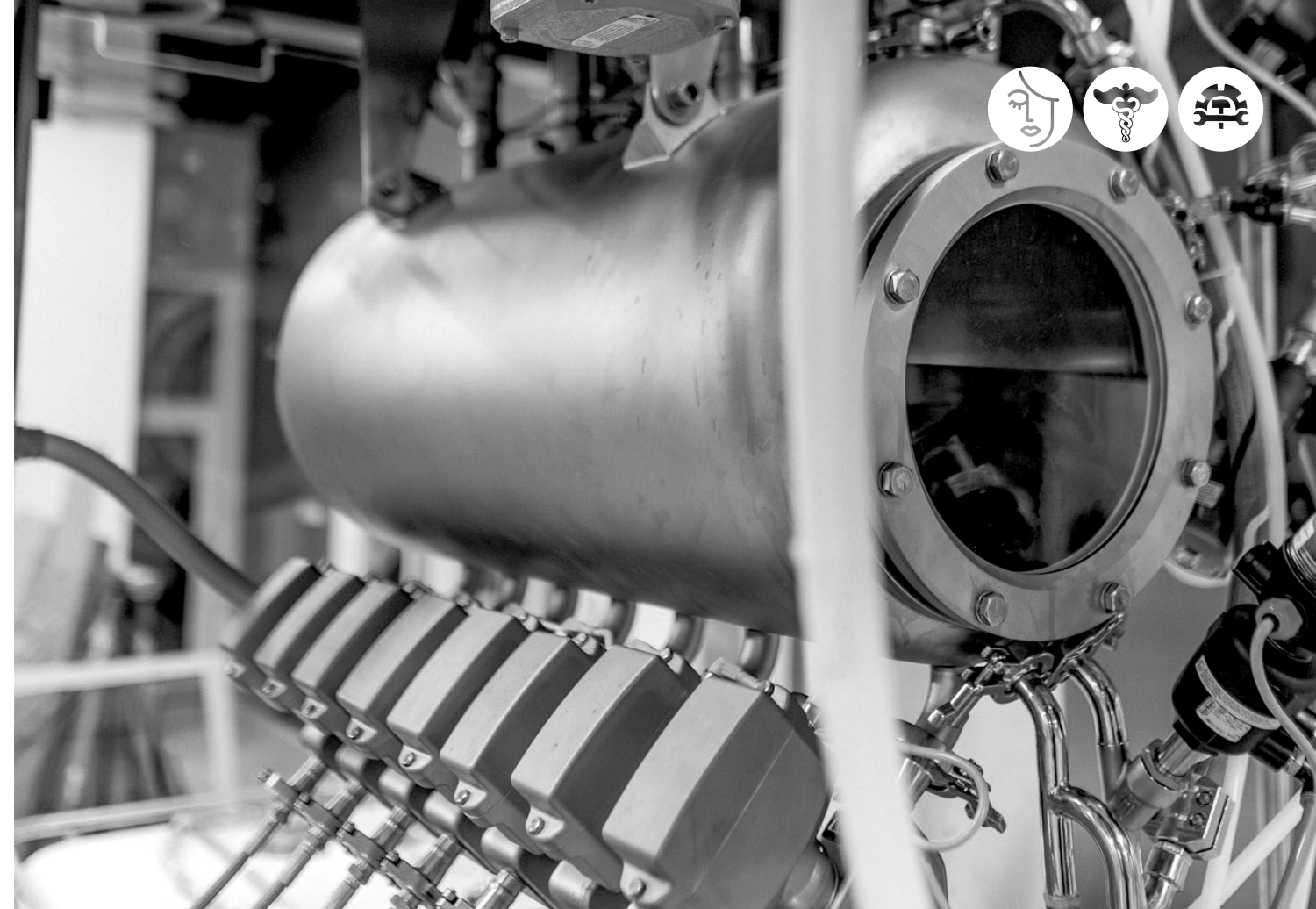
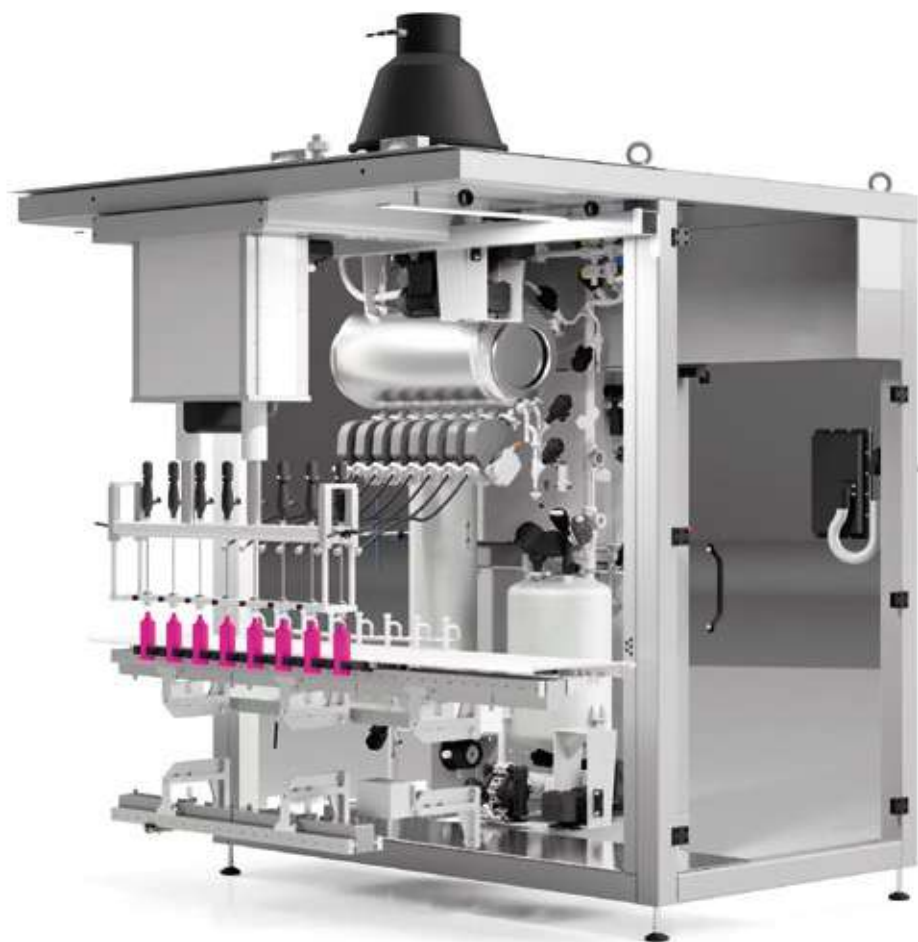
- Dimension : any
- Pallets management : manually, conveyor, AGV...
- Empty pallets outfeed : manually, conveyor, AGV...
- Pallets access : door, no door, automatic door...

**Standard Options**

- Product orientation
- Product marking (printing, graving...)
- Product cleaning
- Supplying two different lines
- etc.







## IV. FILLING

Our filler is suitable for a quick and easy changeover. Large range of liquids (cosmetics, mineral oil, homecare, chemical, etc.). Filling by flowmeter (massflowmeter or electromagnetic) or by volumetric (pistons). The filler is equipped in system to control filling volume with following the level of the nozzles to prevent splashing if required. Number of filling station define on request depends on filling volume and machine speed (from 1 to 16)

### FLEXI-FILLER

IV.1 FLOWMETER LINEAR FILLER

IV.2 VOLUMETRIC LINEAR FILLER

Number of filling station define on request on filling volume and machine speed : standard configuration (1,2,4,6,8,12,16)



## Products

- Any kind of liquid: viscos, foaming, water, corrosive, based on alcohol
- Each fluid pH
- Viscosity: 1 - 100 000 cP
- Product mixed in container
- Multi products in the same time

## Container handling

- On standard conveyor
- In pucks
- On magnetic conveyor

## Cleaning In Place (CIP)

- Close loop cleaning
- Automatic cleaning system with programmable process settings dedicated for each fluid
- Define in accordance to the customer process and to the product to be clean
- Optimize in time and in water consumption
- Optionally CIP from process supply or dedicate station





## IV.1 FLOWMETER LINEAR FILLER

- Wide range of liquids :  
personal care and chemical household products
- Fast and easy toolless changeover to another product
- Self-learning and dose tracking system guarantees filling accuracy and a high quality of final product

UP TO  
120 PPM



SPEED RATE

3M  
X 3M



DIMENSIONS

UP TO  
16 HEADS



FILLING STATIONS

2,5 ML  
TO 25 L



BOTTLE

BOTTLE  
AND JAR



CONTAINER

### Components parts

- Buffer tank with overpressure or gravity inflow
- Filling pump (large range of pumps available)
- Filling manifold
- Dosing by mass or electromagnetic flowmeters
- Filling nozzles
- Drip tray
- Cleaning manifold
- Centering container unit

### Standard Options

- Corrosive products filling (chemical resistant wet system)
- Flammable product filling
- Checkweigher CE certification (grossweight, netweight)
- CIP module



## IV.2 VOLUMETRIC LINEAR FILLER

- Wide range of liquids :  
mainly for heavy and cream products
- Fast changeover to another product using second filling unit

UP TO  
120 PPM



SPEED RATE

3M  
X 3M



DIMENSIONS

UP TO  
16 HEADS



FILLING STATIONS

2ML  
TO 1L



BOTTLE

BOTTLE  
AND JAR



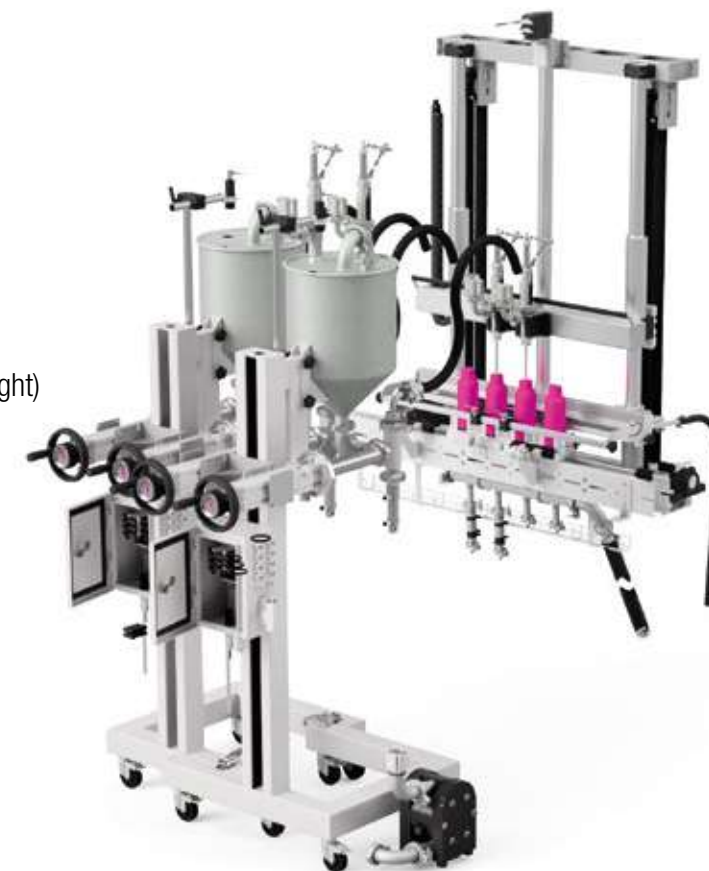
CONTAINER

### Components parts

- Buffer tank
- Dosing by piston with rotative valves
- Filling nozzles
- Centering container unit

### Standard Options

- Corrosive product
- Flammable product
- Checkweigher CE certification (grossweight, netweight)
- Filling station on trolley
- Self-learning and dose tracking system in case of using servo-driven pistons







## V. CAPPING



The machines are designed for various closure (cosmetic pumps, sprays/triggers, flip tops, push pull closures) and any type of speed. Our cappers are suitable for a quick and easy changeover.

### FLEXI-CAPPER

- V.1 FLEXI-CAPPER
- V.2 CAPPER Z6
- V.3 CAPPER Z2
- V.4 CAPPER Z5
- V.5 CAPPER Z9

Number of capping station define on request on machine speed : standard configuration (1,2,4,6,8)



## Capping machines Matching to packaging

Capping machine	Automatic capping	requires prethread/start the cap by the operator
<b>FLEXI CAPPER &amp; SORTER</b>		
<b>CAPPER Z6</b>		
<b>CAPPER Z2</b>		
<b>CAPPER Z5</b>		
<b>CAPPER Z9</b>		

### Automatic Modus

- Cosmetics
- Food products
- Skin care products
- Household chemicals

### Tightening

- Household chemicals
- Skin care
- Body lotion
- Pharmaceutical products





## V.1 FLEXI-CAPPER

- Wide range of closures :  
cosmetic pumps, sprays/triggers, flip tops, push pull closures
- Flexible closures distribution
- Positive closure transfer from distribution up to the capping head
- Fast and easy toolless changeover to another product as new product
- Most format parts in 3D printing
- Closure presence and quality verification system

50 PPM  
OR 100 PPM



SPEED RATE

2,45M  
X 3,3M



DIMENSIONS

UP TO  
8 UNITS



CAPPING HEADS

UP TO  
2 DELTA



ROBOT

1X 6-AXIS



ROBOT

0,35 M³  
OR 0,7 M³



BIN FEEDER

### Components parts

- Bin feeder with lift conveyor, integrate in the frame
- Product transfer belt conveyor
- Camera and lighting system
- Integrated backlight illuminator
- Conveyor of caps
- Capping heads
- Camera and lighting system
- Torque application with brushless motor

### Standard Options

- ATEX management
- Quality control



## V.2 CAPPER Z6



- Wide range of closures :

#### Automatic Capper for triggers and pumps

- Household chemicals
- Skin care
- Body lotion
- Pharmaceutical products

#### Flip Flop

- Food products
- Household chemicals
- Skin care products

- Fast and easy toolless changeover to another product
- 3D printed format parts

UP TO  
30 PPM



SPEED RATE

1,4M  
X 1,95M



DIMENSIONS

1 UNIT



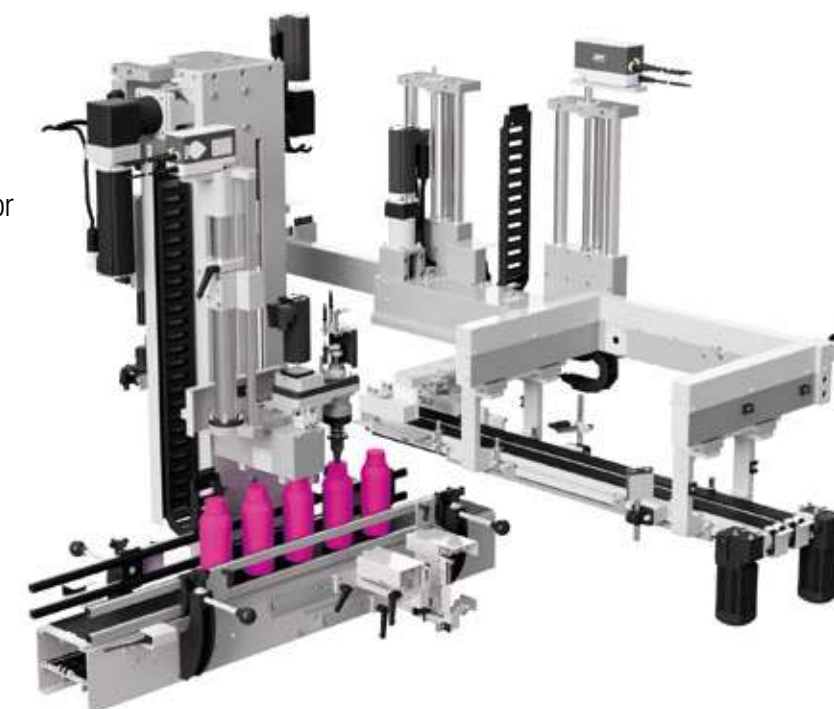
CAPPING HEADS

### Components parts

- Caps plugging, screwing, ...
- Caps conveyor
- Capping head
- Torque application with brushless motor
- Smoothing of the dip tube

### Standard Options

- ATEX management
- Quality control
- Automatic caps distribution :
  - mechanical cap sorter
  - vibration sorting
  - waterfall
  - ...







## V.3 CAPPER Z2

### Wide range of closures :

#### Automatic Modus

- Cosmetics
- Food products
- Skin care products
- Household chemicals

#### Tightening

- Household chemicals
- Skin care
- Body lotion
- Pharmaceutical products

Fast and easy toolless changeover to another product as new product

3D printed format parts

UP to  
35 PPM



SPEED RATE

1,1M  
X 1,4M



DIMENSIONS

1 UNIT



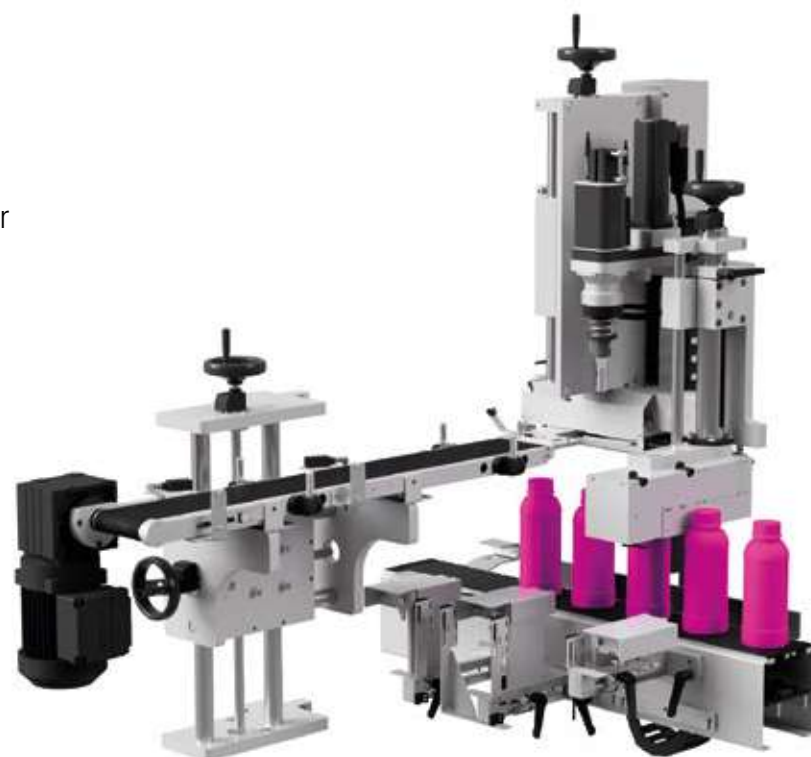
CAPPING HEADS

## Components parts

- Caps plugging, screwing, ...
- Caps conveyor
- Capping head
- Torque application with brushless motor

## Standard Options

- ATEX management
- Quality control
- Automatic caps distribution :
  - mechanical cap sorter
  - vibration sorting
  - waterfall
  - ...



## V.4 CAPPER Z5



### Wide range of closures : manual pre-screwing

#### Automatic Modus

- Cosmetics
- Food products
- Skin care products
- Household chemicals

#### Tightening

- Household chemicals
- Skin care
- Body lotion
- Pharmaceutical products

Fast and easy toolless changeover to another product

3D printed format parts

UP to  
30 PPM



SPEED RATE

1,6M  
X 0,75M



DIMENSIONS

1 OR 2 UNITS



CAPPING HEADS

## Components parts

- Capping with 4 rollers
- Angle neck container closing possible
- Torque application with servo drive - Konstrukcja

## Standard Options

- ATEX management
- Speed with 2 stations up to 55 ppm
- Quality control







## V.3 CAPPER Z9

### Wide range of closures :

#### Automatic Modus

-  Food products
-  Household chemicals
-  Classic caps
-  Flip top and push pull

Fast and easy toolless changeover to another product

Non-stop working mode – capping during constant flow of packages.

Capping with back-turn which increases production capacity and eliminates rejected packages.

UP TO  
35 PPM



SPEED RATE

1,1M  
X 1,4M



DIMENSIONS

1 OR 2 UNITS



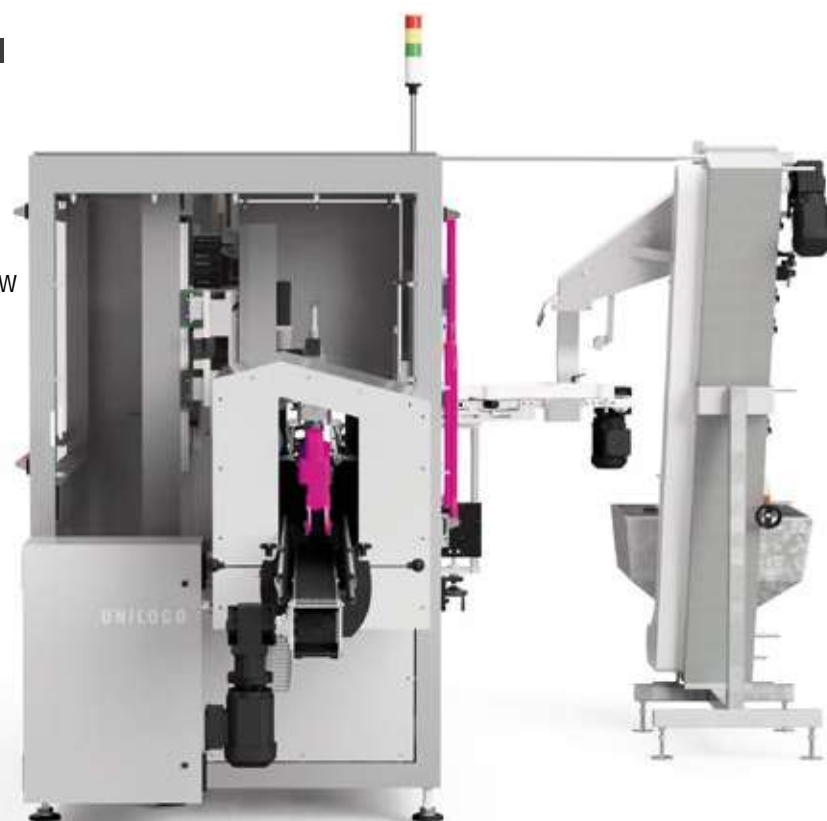
CAPPING HEADS

### Components parts

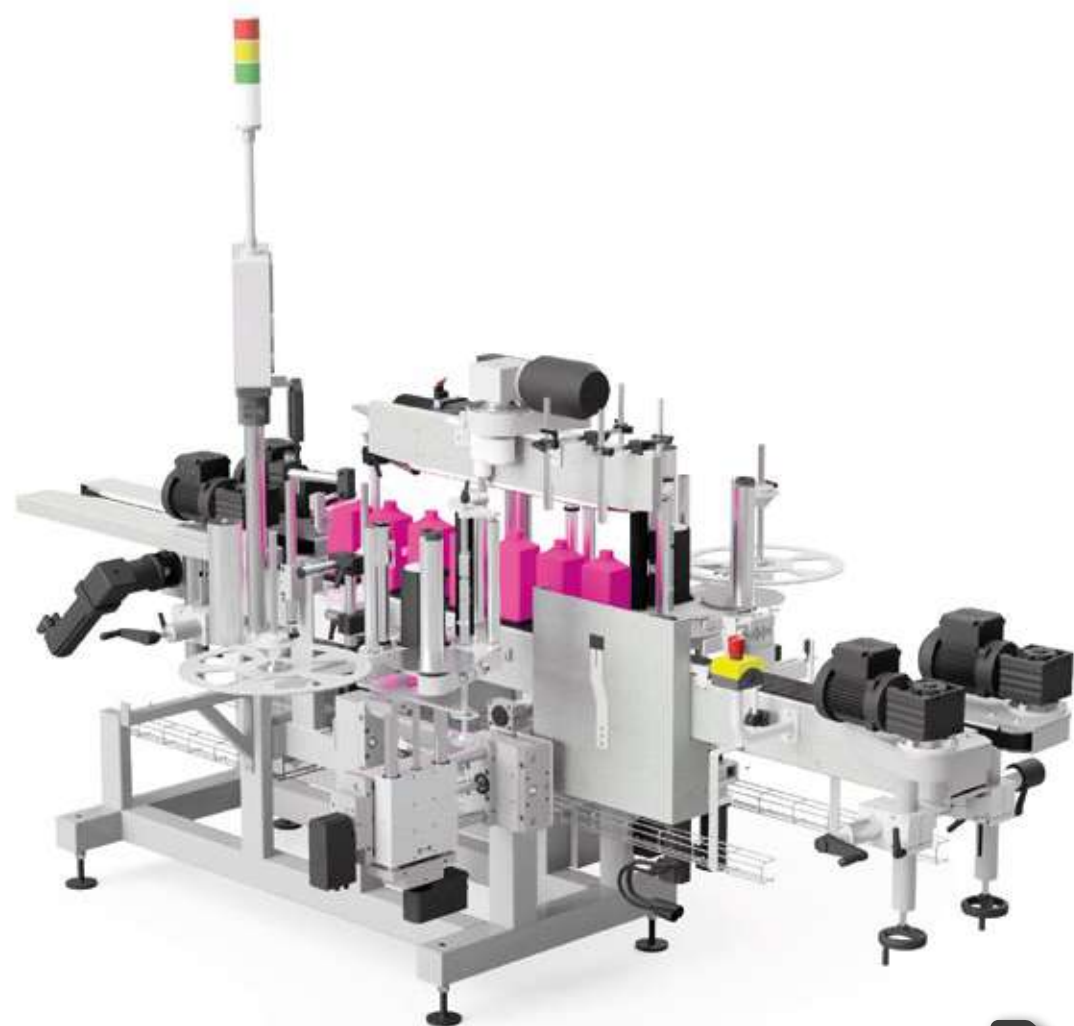
- Caps plugging, screwing
- Caps conveyor
- Capping head working during products flow
- Torque application with brushless motor

### Standard Options

- ATEX management
- Automatic caps distribution :
  - mechanical cap sorter
  - vibration sorting
  - waterfall







## VI. LABELLING

**SOLUTION  
BREVETÉE**

Our labeller is suitable for a quick and easy series change. The machine is designed for labelling flat and elliptical packages (front/back/top/bottom) as well as circular types. It works well with various sorts of labels: transparent or non transparent and on PE or PP foil , paper , booklet, metal coated . Coupling of the main transporter with the lower one stabilises the package and prevents it from reclining in the line whilst being labelled. Additional option are : printing on label bottle , verification of the correctness of labeling and many others .

### FLEXI-LABELLER

- VI.1 ROTO
- VI.2 FRONT & BACK (Roto)
- VI.3 ROUND 2 LINES
- VI.4 NON STOP FRONT & BACK
- VI.5 TOP BOTTOM
- VI.6 EMPTY TUBES
- VI.7 HORIZONTAL PRODUCTS
- VI.8 LOGISTIC PALLET

#### **Label supply :**

transparent or non transparent and on PE or PP foil , paper , booklet, metal coated

#### **Product handle :**

plastic bottle, glass, tube, box, pallet ...

#### **Speed :**

up to 120 ppm

#### **Speed :**

- Label printer
- Verification of the labeling process: bar codes, imprint presence and correctness, label presence
- End-of-label sensor or low label sensor on the roll
- Gyroscope for checking head inclination
- Automatic changeover



30 PPM



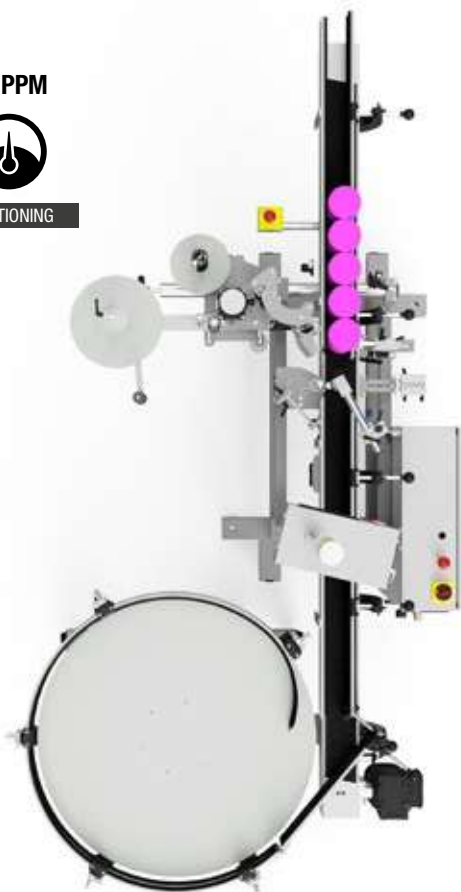
POSITIONING



60 PPM



POSITIONING



90 PPM



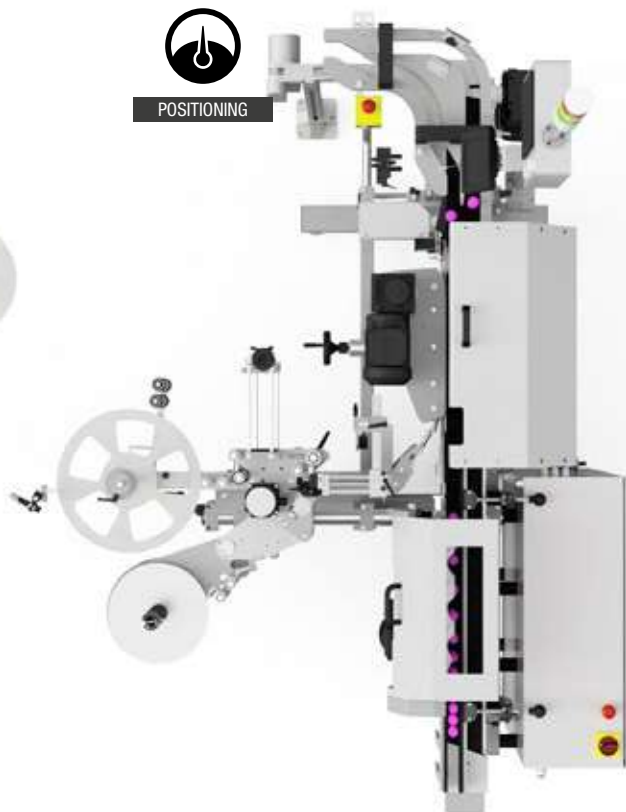
POSITIONING



150 PPM



POSITIONING



## IV.1 ROTO LABELLER

- Allows round products to be glued one or two labels
- Machine gives possibility to apply label on conical shaped packaging
- Deposit on : round and conical bottles

UP TO 30  
LABELS/MIN



PERFORMANCE

UP TO 50 PPM  
WITH ROLLS

UP TO 100 PPM  
WITH BELT

POSITIONING



1 UNIT

LABELLING HEADS

160/240/300  
mm



LABEL SIZE

300/400  
mm



ROLL DIAMETER

ROUND  
ONLY



BOTTLE

PE, PET  
...



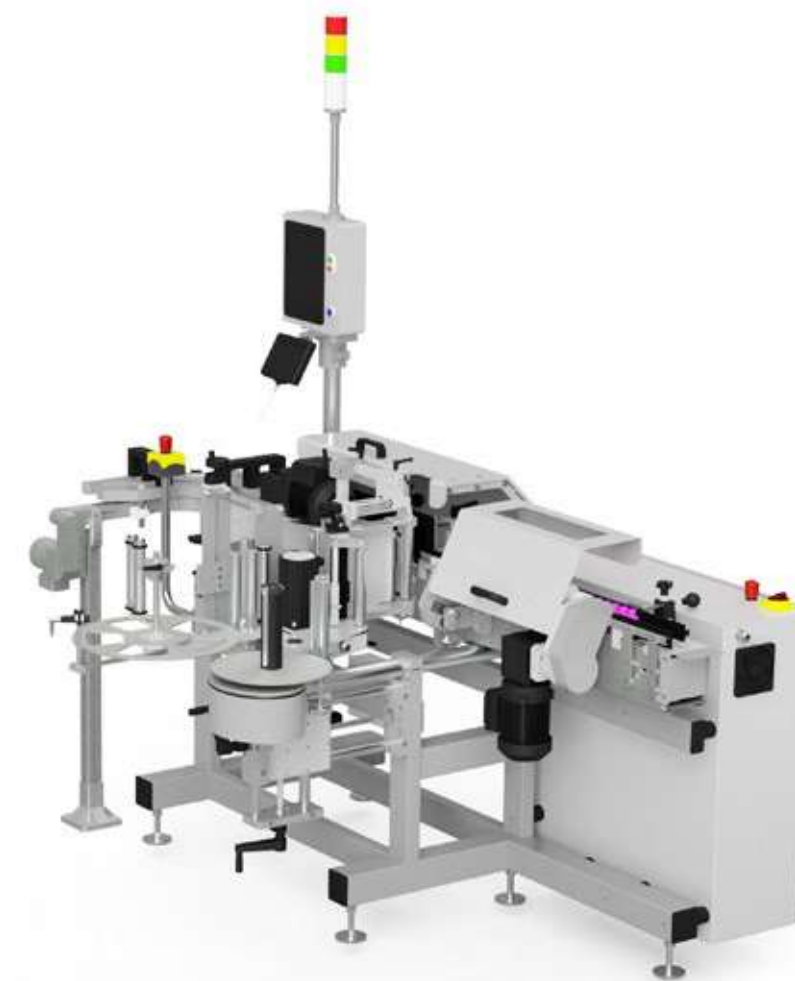
MATERIAL

## Components parts

- one separator
- one conveyor
- one labelling head
- one applicator

## Options

- printer
- vision system
- automatic changeover
- expanded controller HMI 10°

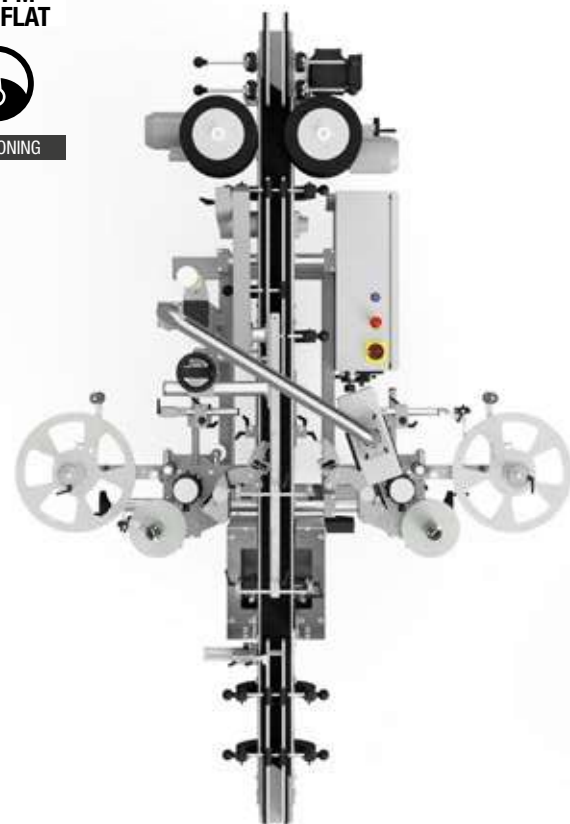




70 PPM  
ONLY FLAT



POSITIONING



60 PPM



POSITIONING



60 PPM



POSITIONING



60 PPM  
WITH POSITIONING



POSITIONING



## IV.2 FRONT & BACK (ROTO) LABELLER

- Allows flat products to be glued on both sides at the same time
- Machine gives possibility to apply label on irregularly shaped packaging
- Deposit on : flat bottle, eleptical bottle, round bottle in option

UP TO 120  
LABELS/MIN



PERFORMANCE

60/90  
PPM

POSITIONING

2 UNITS



LABELLING HEADS

160/240/300  
mm



LABEL SIZE

300/400  
mm



ROLL DIAMETER

ROUND  
FLAT



BOTTLE

PE, PET  
...



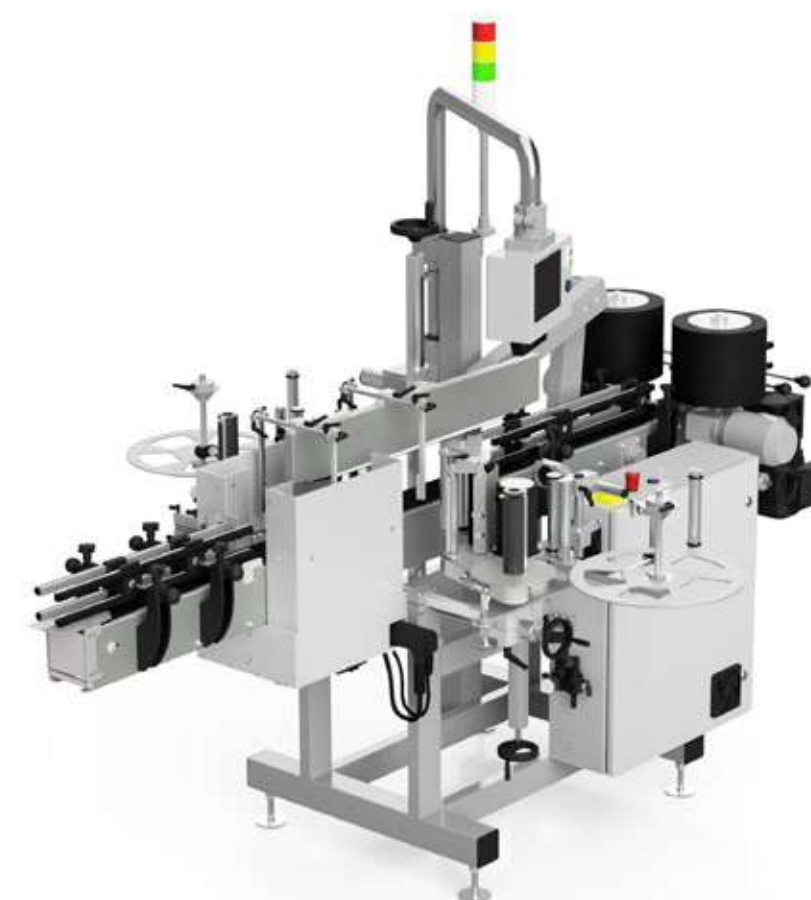
MATERIAL

## Components parts

- one separator
- one conveyor
- one top conveyor
- two labelling heads
- two applicators

## Options

- belt
- positionning chain
- positionning slide
- roto option with sliding adjustment
- synchronized conveyors wit servo
- printer
- vision system
- automatic changeover
- expanded controler HMI 10°







## IV.4 ROUND 2 LINES LABELLER

- Universal machine for labelling round packages
- A diverter that alternates splits packages between two tracks for double capacity
- Deposit on : round bottle

UP TO 60  
LABELS/MIN

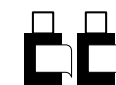


PERFORMANCE

120  
PPM

POSITIONING

2 UNITS



LABELLING HEADS

160/240/300  
mm



LABEL SIZE

300/400  
mm



ROLL DIAMETER

ROUND



BOTTLE

HDPE, PET,  
STEEL AND  
ALUMINUM



MATERIAL

### Components parts

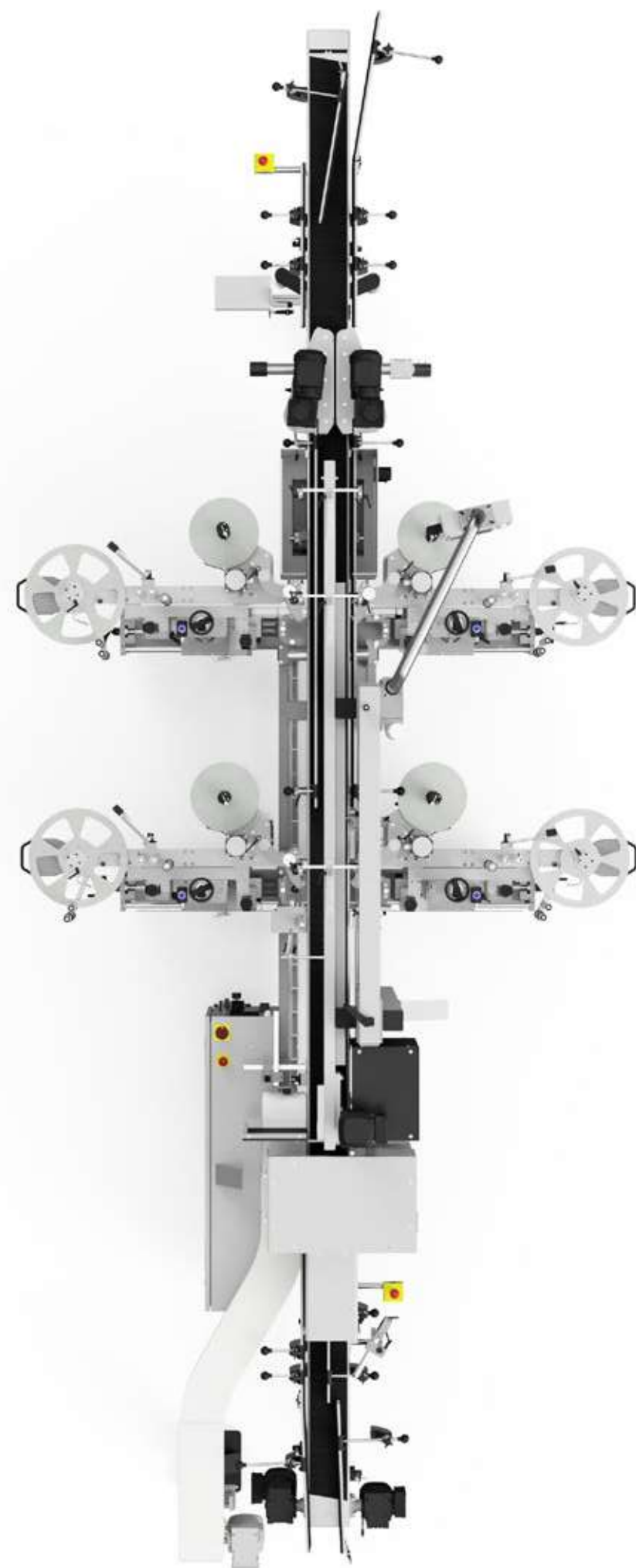
- one diverter
- five separators
- four conveyors
- two labelling heads
- two applicators
- one converter

### Options

- printer
- vision system
- automatic changeover
- expanded controller HMI 10°







## IV.3 NON STOP FRONT & BACK LABELLER

- Allows flat products to be glued on both sides at the same time
- Machine gives possibility to apply label on irregularly shaped packaging
- Deposit on : flat bottle, eleptical bottle, round bottle in option

UP TO 120  
LABELS/MIN



PERFORMANCE

60/90  
PPM

POSITIONING

4 UNITS



LABELLING HEADS

160/240/300  
mm



LABEL SIZE

300/400  
mm



ROLL DIAMETER

ROUND  
FLAT



BOTTLE

PE, PET  
...



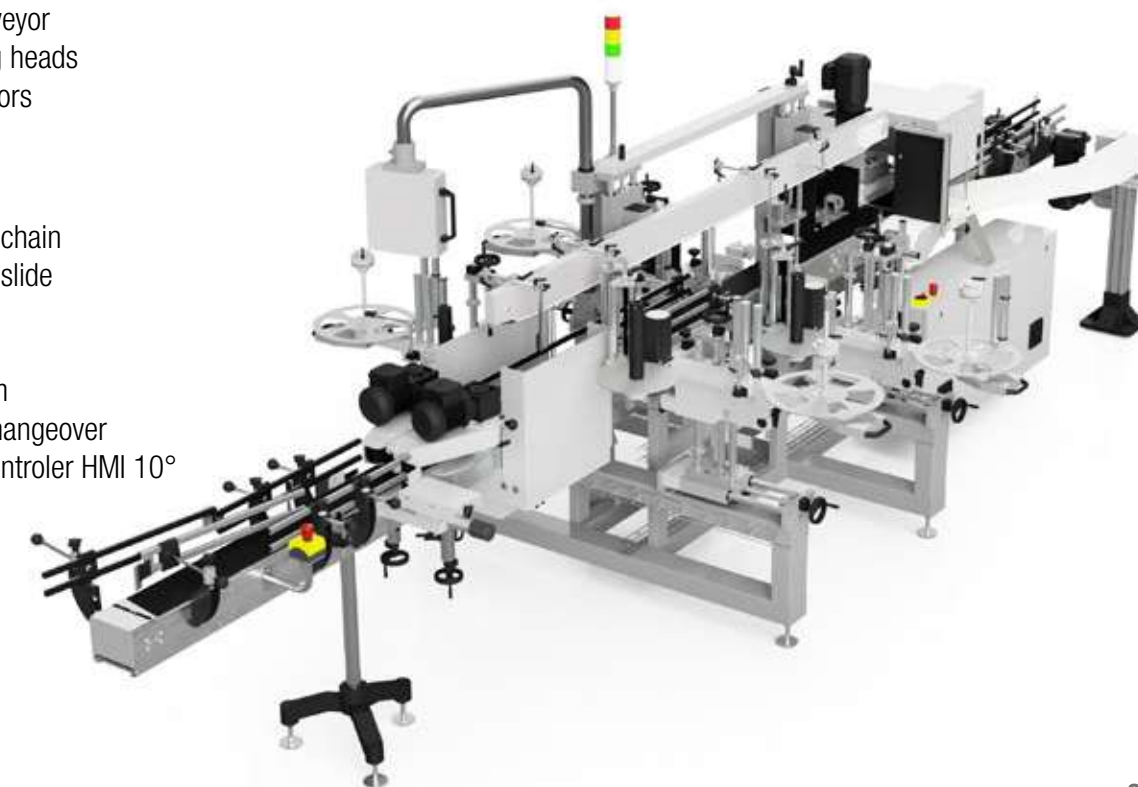
MATERIAL

### Components parts

- one separator
- one conveyor
- one top conveyor
- four labelling heads
- four applicators

### Options

- positionning chain
- positionning slide
- roto option
- printer
- vision system
- automatic changeover
- expanded controller HMI 10°







## IV.5 TOP BOTTOM LABELLER

- To apply the label from the top or/and bottom of the packagings
- Machine gives possibility to apply label on very light flat packages
- Deposit on box, trays etc.

UP TO 150  
PPM



PERFORMANCE

1 OR 2 UNITS



LABELLING HEADS

160/240/300  
mm



LABEL SIZE

300 mm



ROLL DIAMETER

BOX, TRAYS  
ETC...



PRODUCTS

HDPE, PET,  
STEEL AND  
ALUMINUM



MATERIAL



### Components parts

- one or two conveyors
- double side belt
- one or two labelling heads
- one or two applicators

### Options

- printer
- vision system
- automatic changeover
- expanded controller HMI 10°

## VI.6 EMPTY TUBES LABELLER

- Automatic stand alone machine for empty tubes packagings
- Tube feeder allows to save operator's time
- The machine can attach one or two labels at a time provided such labels are placed on a ribbon alternately
- Deposit on tubes

UP TO 35  
PPM



PERFORMANCE

1 UNIT



LABELLING HEADS

160 mm



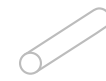
LABEL SIZE

300 mm



ROLL DIAMETER

TUBES

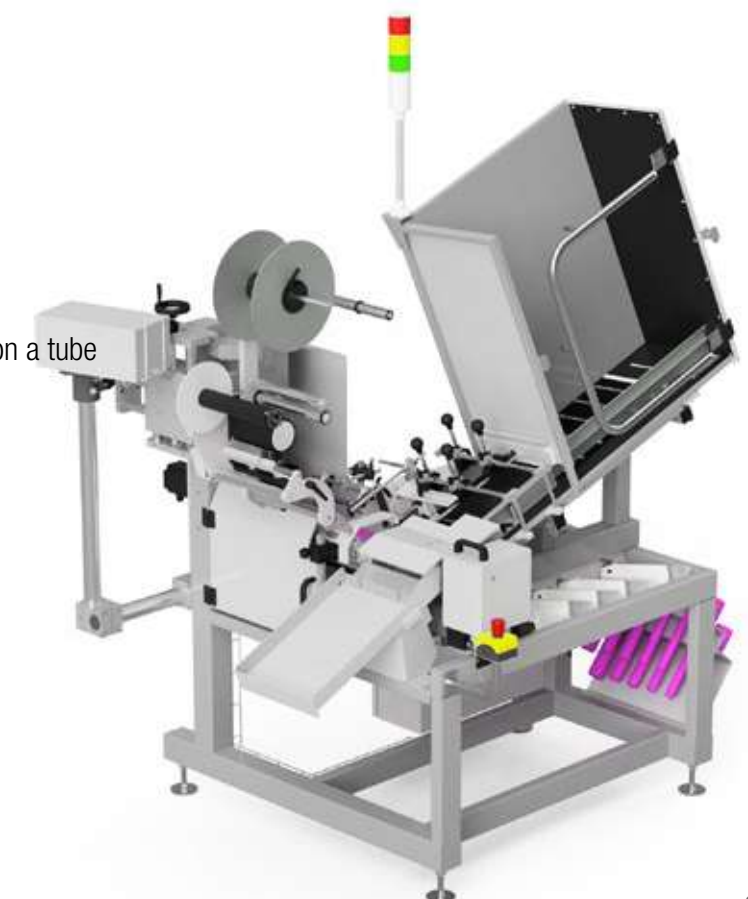


PRODUCTS

HDPE, PET,  
STEEL AND  
ALUMINUM



MATERIAL



### Components parts

- 1 labelling head
- Storage for tubes
- Automatic feeder
- Rotating unit
- Servodriven revolving system for tubes

### Options

- Positioning of the label for the cap or marker on a tube
- vision system
- automatic changeover
- expanded controller HMI 10°
- automatic feeding up to 40PPM





## VI.7 HORIZONTAL PRODUCTS LABELLER

- Tube feeder allows to save operator's time
- The machine can attach one or two labels at a time provided such labels are placed on a ribbon alternately
- Deposit on tubes

UP TO 30 LABELS/MIN	60/160 PPM	1 UNIT	160 mm	300 mm	FULL TUBES SLIM COSMETIC MASCARA	HDPE, PET, STEEL AND ALUMINUM
PERFORMANCE	POSITIONING	LABELLING HEADS	LABEL SIZE	ROLL DIAMETER	PRODUCTS	MATERIAL

### Components parts

- 1 or 2 labelling head
- Storage for tubes up 120 ppm
- Automatic feeder
- Rotating unit

### Options

- Positioning of the label for the cap or marker on a tube
- Additional labelling head for labelling from the side
- presence of label verification
- vision system
- automatic changeover
- expanded controller HMI 10°



## VI.8 LOGISTIC PALLET LABELLER

- Robotised print & apply solution in production lines
- Possibility labelling up to three sides of collective large- size packages (e.g.industrial pallets)
- Labels verification with double scanning and automatic label reapplying
- Possibility of labelling during transporting of the pallet

UP TO 60 CPM	1 UNIT	160/240 mm	300 mm	PALLETS	HDPE, PET, STEEL AND ALUMINUM
PERFORMANCE	LABELLING HEADS	LABEL SIZE	ROLL DIAMETER	PRODUCTS	MATERIAL

### Components parts

- 1 robot station
- Single vacuum pad with scanner and deflection sensors
- Print station
- Empty label dispenser for printer
- Machine base with covers

### Options

- Colour printer - printing colour labels
- Special vacuum pad for labelling with two different labels in one cycle
- Additional label dispenser for
- By using a special shaped pad, it is possible to label other packages e.g. buckets or barrels







## VII. CASE PACKING

**SOLUTION  
BREVETÉE**

We can propose you simple and effective case packers that allow you to deliver your final product in good conditions. Thanks to its flexibility this machine allows a very fast and simple format change. Our box loading machine has been initially developed for companies with limited space on their production site, who wish to facilitate the packaging process of their products. One of our case packer's assets is the use of innovative technologies that will be able to satisfy the needs of your production. Thus, thanks to our industrial packaging machine your production will be simpler, and your productivity will increase as well.

### FLEXI-PACKER

VII.1 CAROUSEL  
VII.2 COVERING  
VII.3 LINEAR



### Box Type

- American box

### Handling

- Product or box by robot
- Box transfer :
  - carousel
  - conveyor
  - belt

### Product

- bottle
- box
- parts
- canister
- others

### Speed

- Up to 20 boxes per minute
- product depending of grouping





## VII.1 CASE PACKER CAROUSEL

- Vacuum cup
- Robotic box forming (no setting and no tool)
- Product infeed with mechanical or robotic grouping
- Robotic loader
- Box transfert by carousel
- Tape closing

10 OR  
15 PPM



SPEED RATE

3M  
X 5M



DIMENSIONS

AUTONOMY  
2X0,6M



BOX MAGAZINE

UP TO 3  
6-AXIS



ROBOT

BY  
TAPE



CLOSING

STANDARD  
200x100x80MM  
400x300x300MM

STANDARD LARGE  
200x100x80MM  
600x400x300MM



BOX DIMENSION

## Components parts

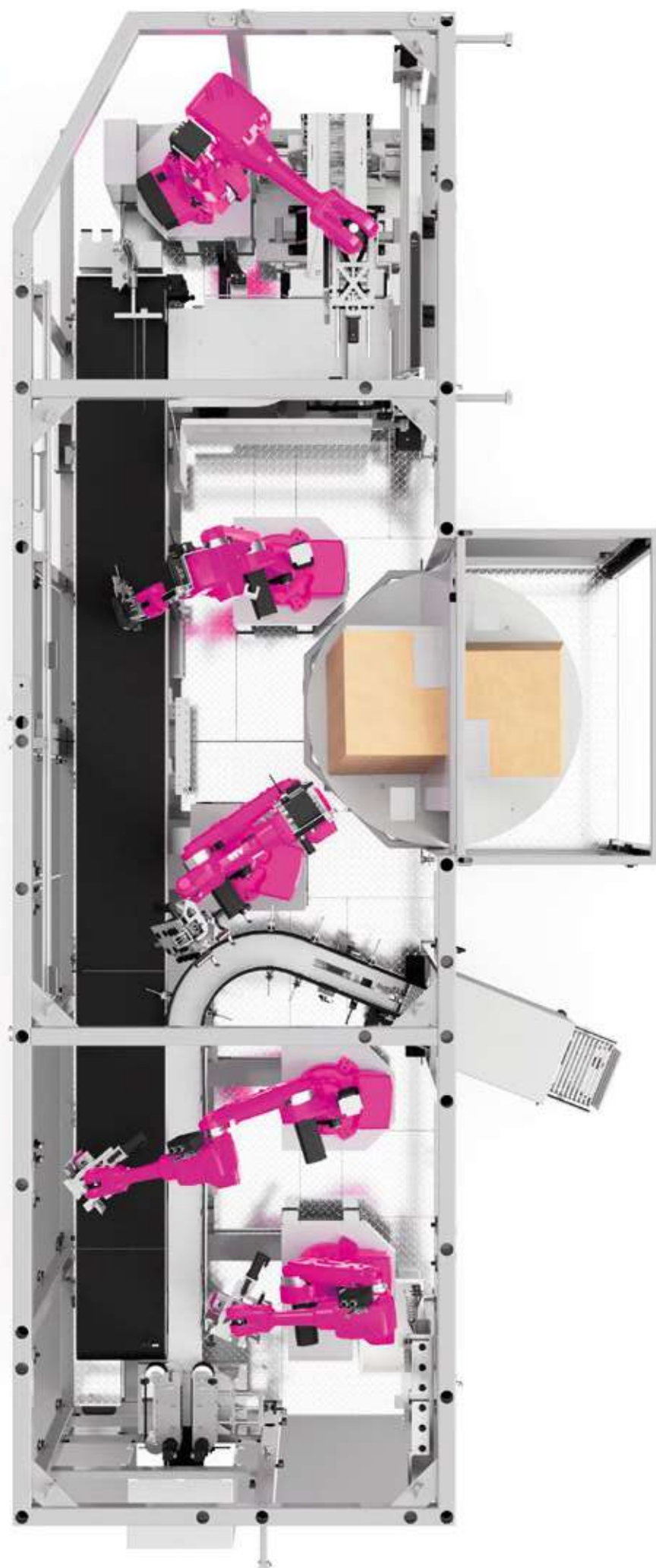
All in one frame !

- Carousel 2 stations for flat boxes
- 1 or 2 robots for automatic box forming and loading on carousel
- Carousel 3 or 4 stations with vacuum gripper and bottom closing
- Flexible grouping station
- 1 robot loader with flexible grippers (fingers, vacuum, ...)
- Box closing by tape, top and bottom with double belt transfer

## Standard Options

- Box labelling
- Box printing
- Interlayer in box
- Quantity control





## VII.2 CASE PACKER COVERING

- Robotic box forming (no setting and no tool)
- Product infeed, product grouping with 1 or 2 delta robots
- Bottle grouping transfer on conveyor
- Box wearing over the bottle grouping by 1 or 2 robots
- Tape or hot melt closing

10 OR 15 PPM	3M X 6M	AUTONOMY 2X0,6M	UP TO 2 DELTA	UP TO 3 6-AXIS	BY TAPE OR HOT MELT	STANDARD 200x100x80MM 400x300x300MM	STANDARD LARGE 200x100x80MM 600x400x300MM
SPEED RATE	DIMENSIONS	BOX MAGAZINE	ROBOT	ROBOT	CLOSING	BOX DIMENSION	BOX DIMENSION

## Components parts

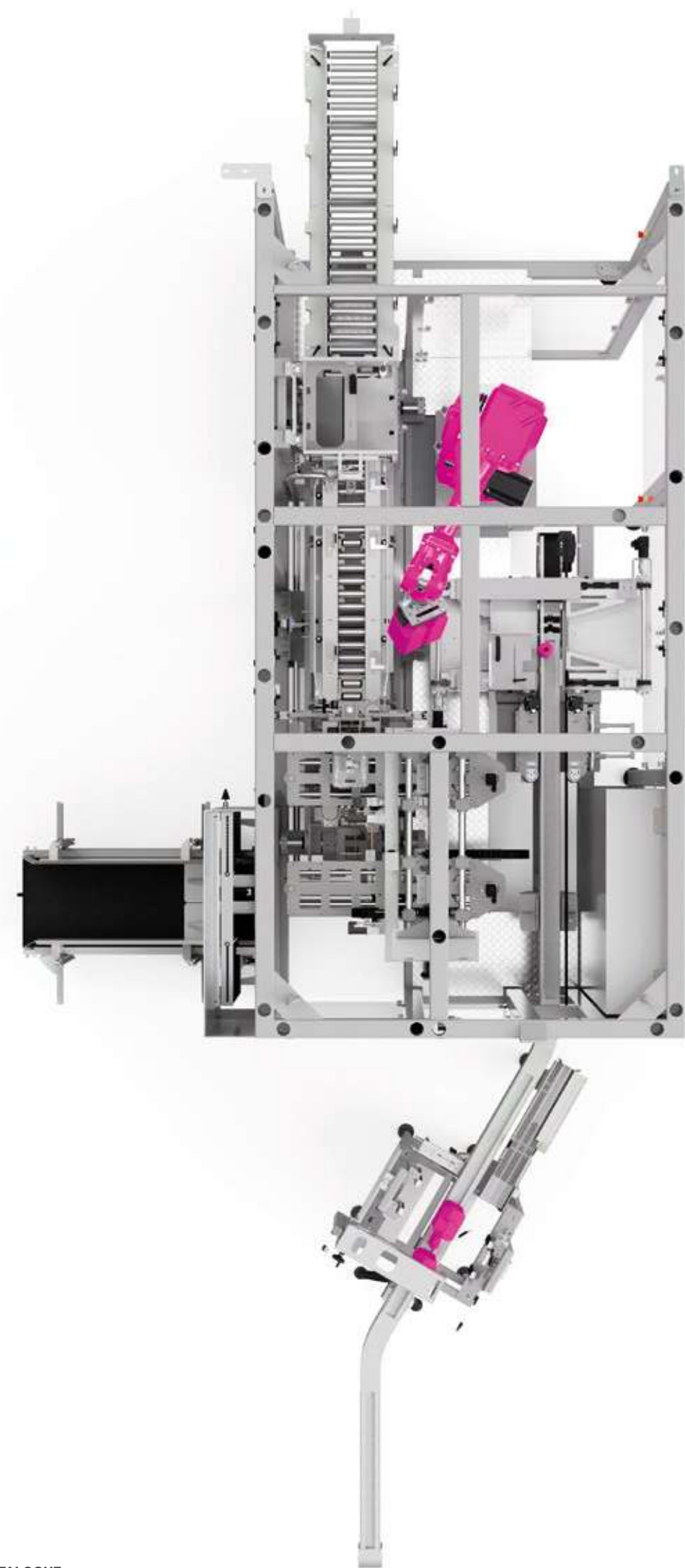
All in one frame !

- Carousel 2 stations for flat boxes
- 1 or 2 robots for automatic box forming and wearing on conveyor
- 1 or 2 delta robots for bottle grouping
- Underflat closing during the box transfer
- Box closing by tape or hot melt, top and bottom with double belt transfer

## Standard Options

- Box labelling
- Box printing
- Quantity control





## VII.3 CASE PACKER LINEAR

- Mechanic box forming
- Product infeed with mechanical
- Robotic loader
- Closing by tape or hot melt

10 OR 15 PPM	3M X 6M	AUTONOMY 2X0,6M	UP TO 2 DELTA	UP TO 3 6-AXIS	BY TAPE OR HOT MELT	STANDARD 200x100x80MM 400x300x300MM
SPEED RATE	DIMENSIONS	BOX MAGAZINE	ROBOT	ROBOT	CLOSING	BOX DIMENSION

## Components parts

All in one frame !

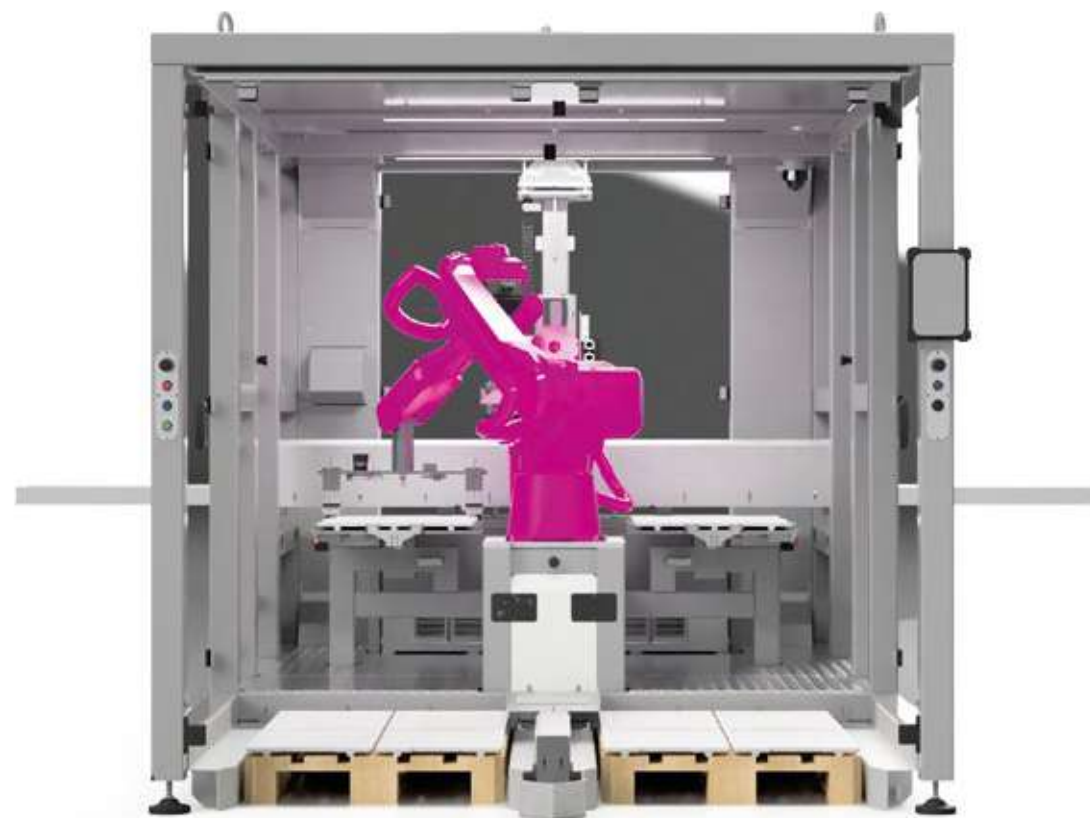
- Mechanical box storage with belt conveyor
- Mechanic for box forming
- Flexible grouping station
- 1 robot loader with flexible grippers (fingers, vacuum, ...)
- Box closing by tape or hot melt, top and bottom

## Standard Options

- Box labelling
- Box printing
- Quantity control







## VIII. PALLETIZING

We can propose you simple and effective palletizers that allow you to deliver your final product in good conditions. Thanks to its flexibility this machine allows a very fast and simple format change. One of our palletizer's assets is the use of innovative technologies that will be able to satisfy the needs of your production. Thanks to our industrial packaging machine your production will be simpler, and your productivity will increase as well.

### 1 PALLET

Loading pallets per pallets  
Small foot print

### 2 PALLETS

Loading pallets per pallets  
but with 2 pallets area  
Small foot print

### AUTOMATIC PALLET TRANSFER

Loading pallets per pallets  
Pallet transfer per conveyor  
to the Working area  
Full pallet in stand by at the  
outfeed conveyor

### FLEXI PALLETIZER

VIII.1 Robotic 1P  
VIII.2 Robotic 2P  
VIII.3 Robotic AP

### Product to palletize

- Box
- cannisters
- Trays, ...
- Tray handling
- Any patterns

### Pallet type

- EURO, CHEP, US, JAPAN, half pallet,...
- Plastic, carton, wood, ...

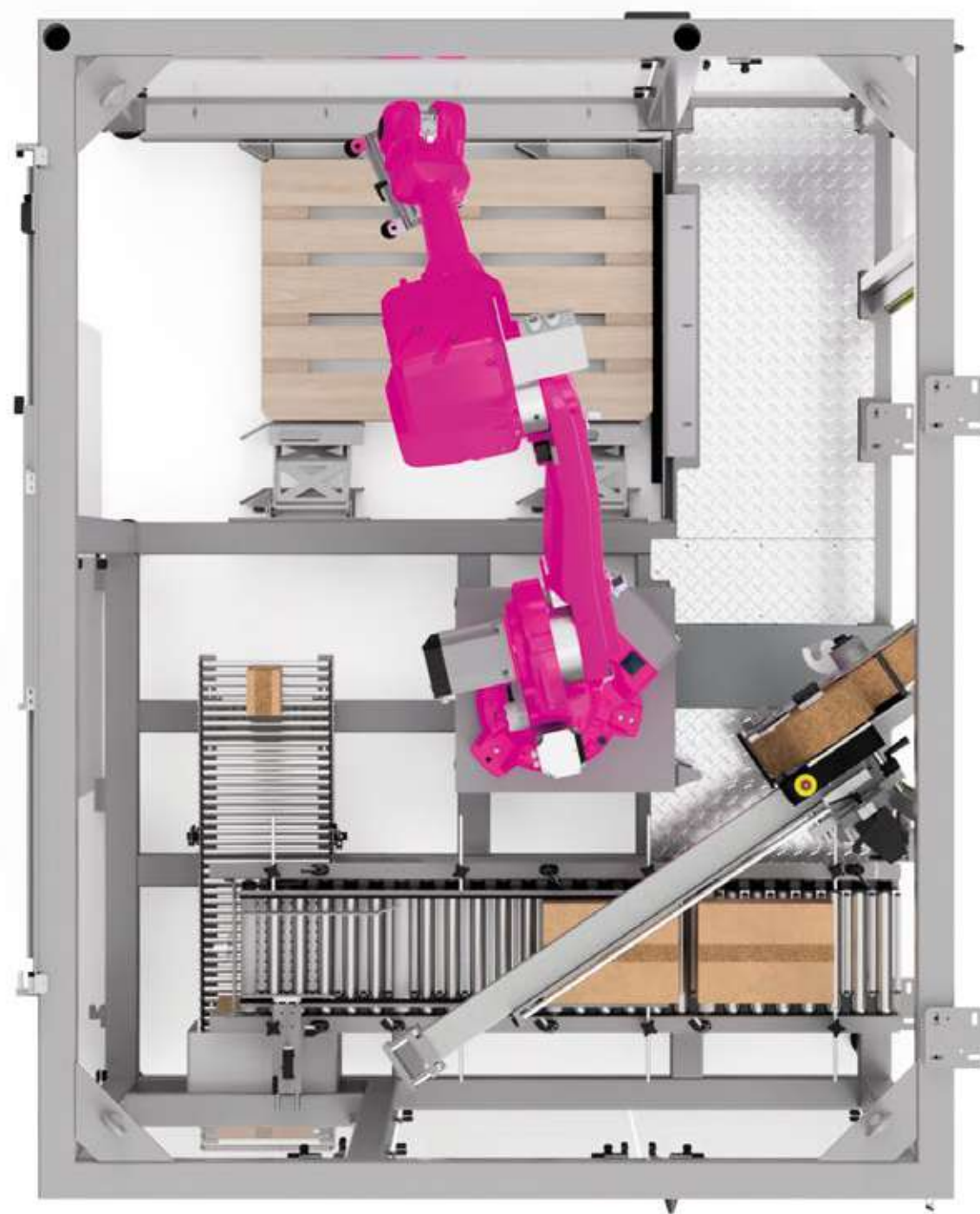
### Speed

- Depending of component and pattern
- Two common main applications :
  - 10 boxes / min
  - 20 boxes / min

### Dedicate option

- Empty Pallets destacker





## VIII.1 PALLETIZER ROBOTIC 1P

- 1 Pallet
- Flex-pal software
- Pallets loading/unloading : Fork lift- AGV - manual...

UP TO  
1 PAL/30 MIN



SPEED RATE

3M  
X 2,4M



DIMENSION

1  
6-AXIS



ROBOT

0,8 X 1,2M  
1,0 X 1,2M



PALLETS

UP TO  
25L



CANNISTER

UP TO  
600 X 400MM



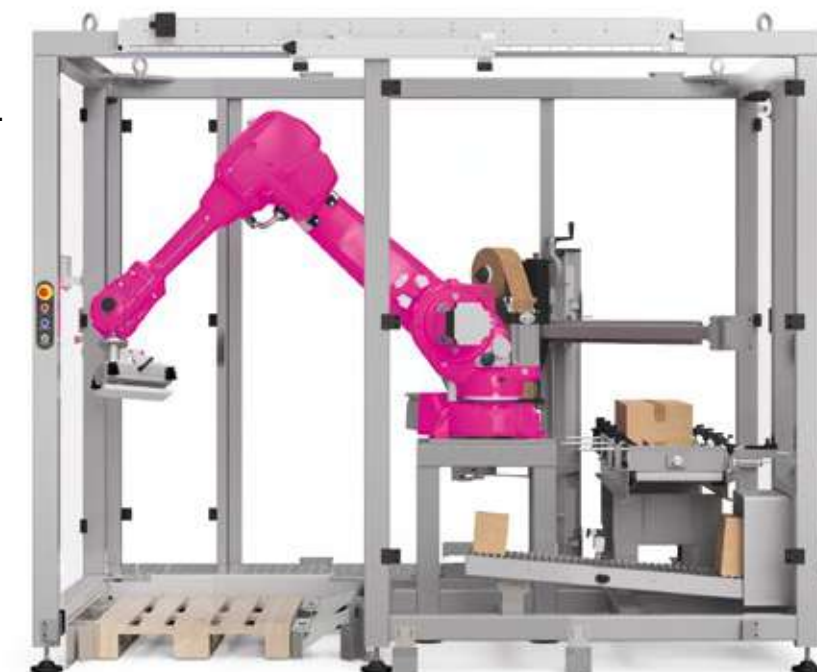
BOX

### Components parts

- Infeed conveyor
- Reject conveyor
- 1 6-AXIS robot
- Robot picking tool : gripper, vaccum ...
- 1 compact frame with safety

### Standard Options

- Pallets management
- Outfeed pallets accyumulation
- Interlayer management
- Labelling on pallets
- Box checkweigher
- Strecht wrapper







## VIII.2 PALLETIZER ROBOTIC 2P

- 2 Pallets
- Flex-pal software
- Pallets loading/unloading : Fork lift- AGV - manual...

UP TO  
2 PAL/30 MIN



SPEED RATE

4,8M  
X 3M



DIMENSION

UP TO 2  
6-AXIS



ROBOT

0,8 X 1,2M  
1,0 X 1,2M



PALLETS

UP TO  
25L



CANNISTER

UP TO  
600 X 400MM



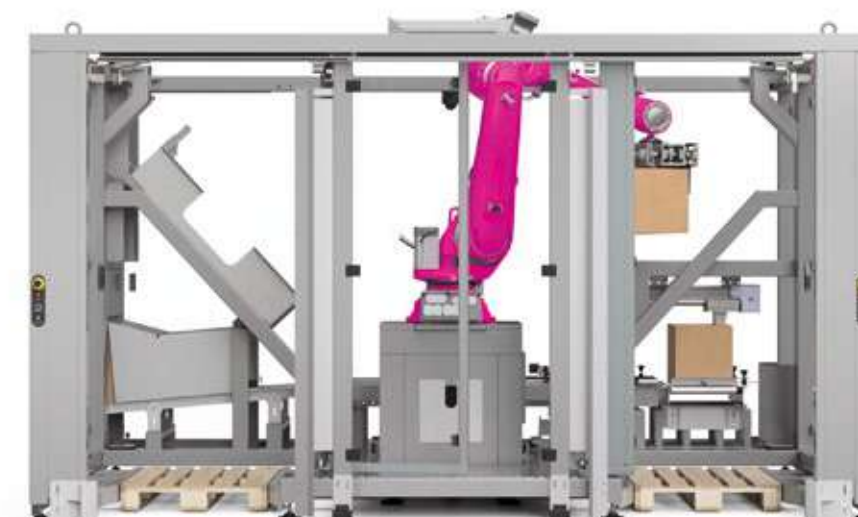
BOX

### Components parts

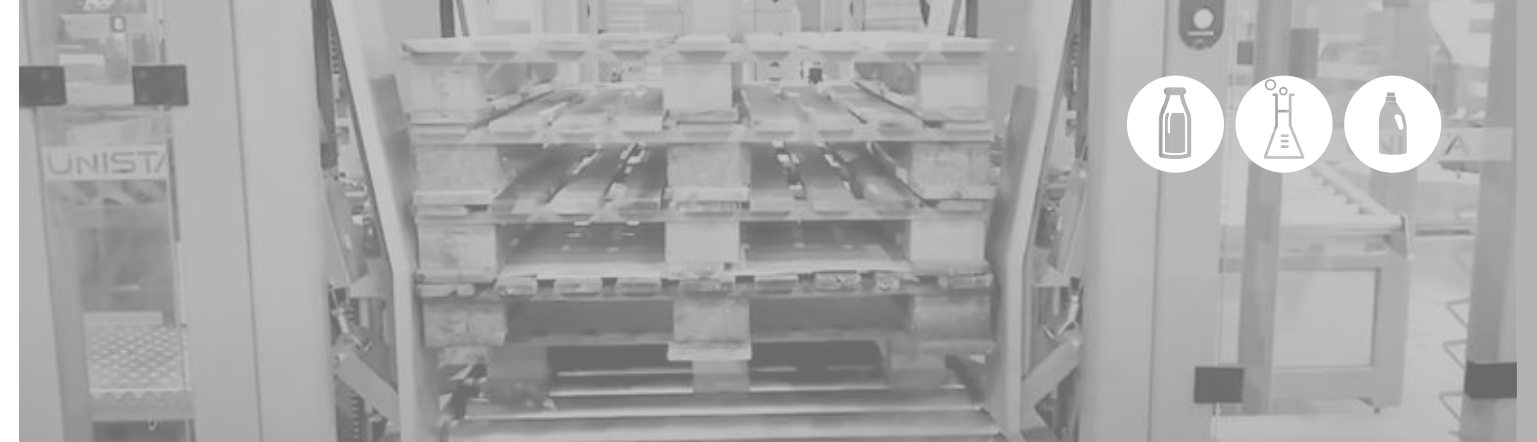
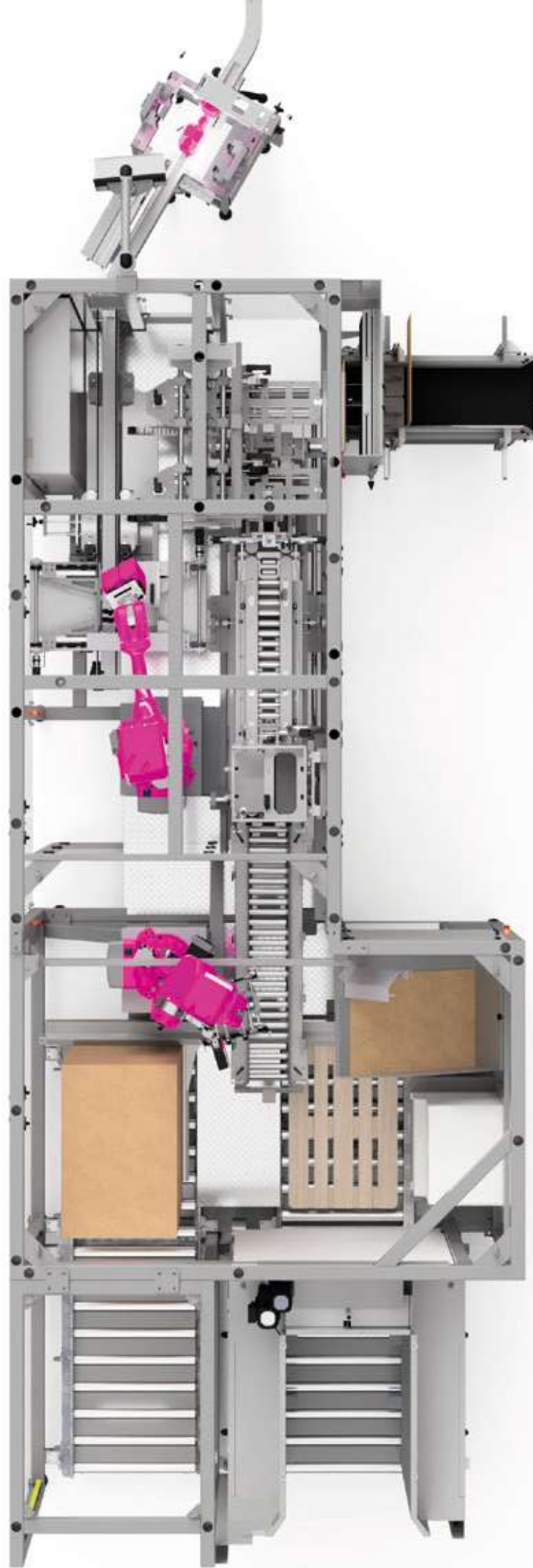
- Infeed conveyor
- Reject conveyor
- 1 6-AXIS robot
- Robot picking tool : gripper, vaccum ...
- 1 compact frame with safety

### Standard Options

- Pallets management
- Outfeed pallets accyumulation
- Interlayer management
- Labelling on pallets
- Box checkweigher
- Strecht wrapper







## VIII.3 AUTOMATIC PALLET TRANSFER

- Flex-pal software
- Pallets loading/unloading : Fork lift- AGV - manual...

UP TO  
2 PAL/30 MIN



SPEED RATE

3,5M  
X 4M



DIMENSION

UP TO 2  
6-AXIS



ROBOT

0,8 X 1,2M  
1,0 X 1,2M



PALLETS

UP TO  
25L



CANNISTER

UP TO  
600 X 400MM



BOX

## Components parts

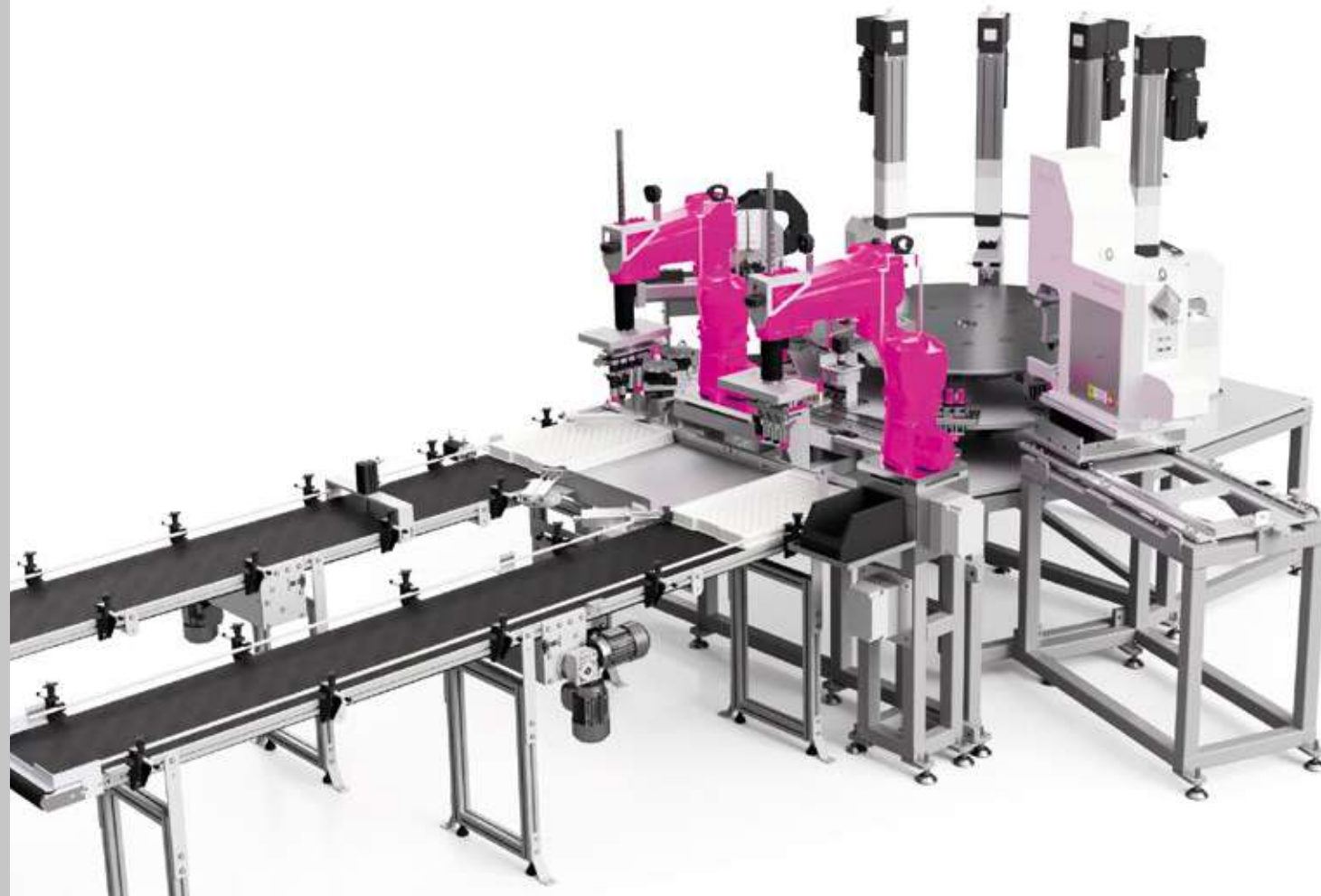
- Infeed conveyor
- Reject conveyor
- 1 6-AXIS robot
- Robot picking tool : gripper, vaccum ...
- 1 compact frame with safety

## Standard Options

- Pallets management
- Outfeed pallets accyumulation
- Interlayer management
- Labelling on pallets
- Box checkweigher
- Strecht wrapper



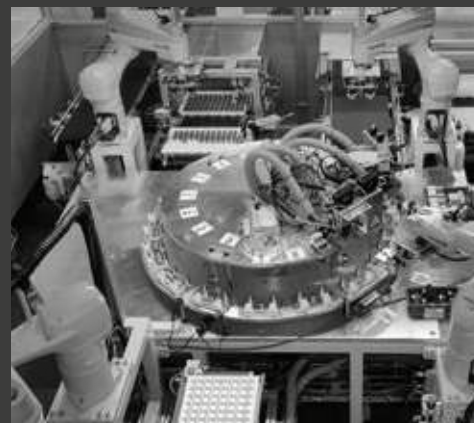




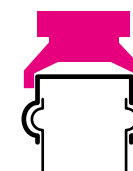
## IX. ASSEMBLING

### FLEXI-ASSEMBLER

- IX.1 ASSEMBLY FUNCTIONS
- IX.2 CAROUSEL
- IX.3 MAGNETIC
- IX.4 LEVITATION
- IX.5 SPS ASSEMBLER
- IX.6 DISTRIBUTION SOLUTION



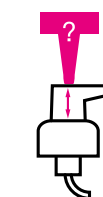
### ASSEMBY FUNCTIONS



Clipping



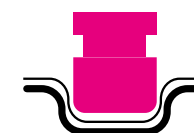
Glueing



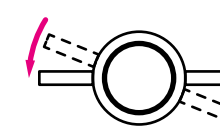
Fonctional Test



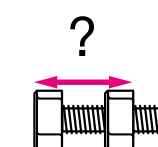
Riveting



Clinching



Orientation



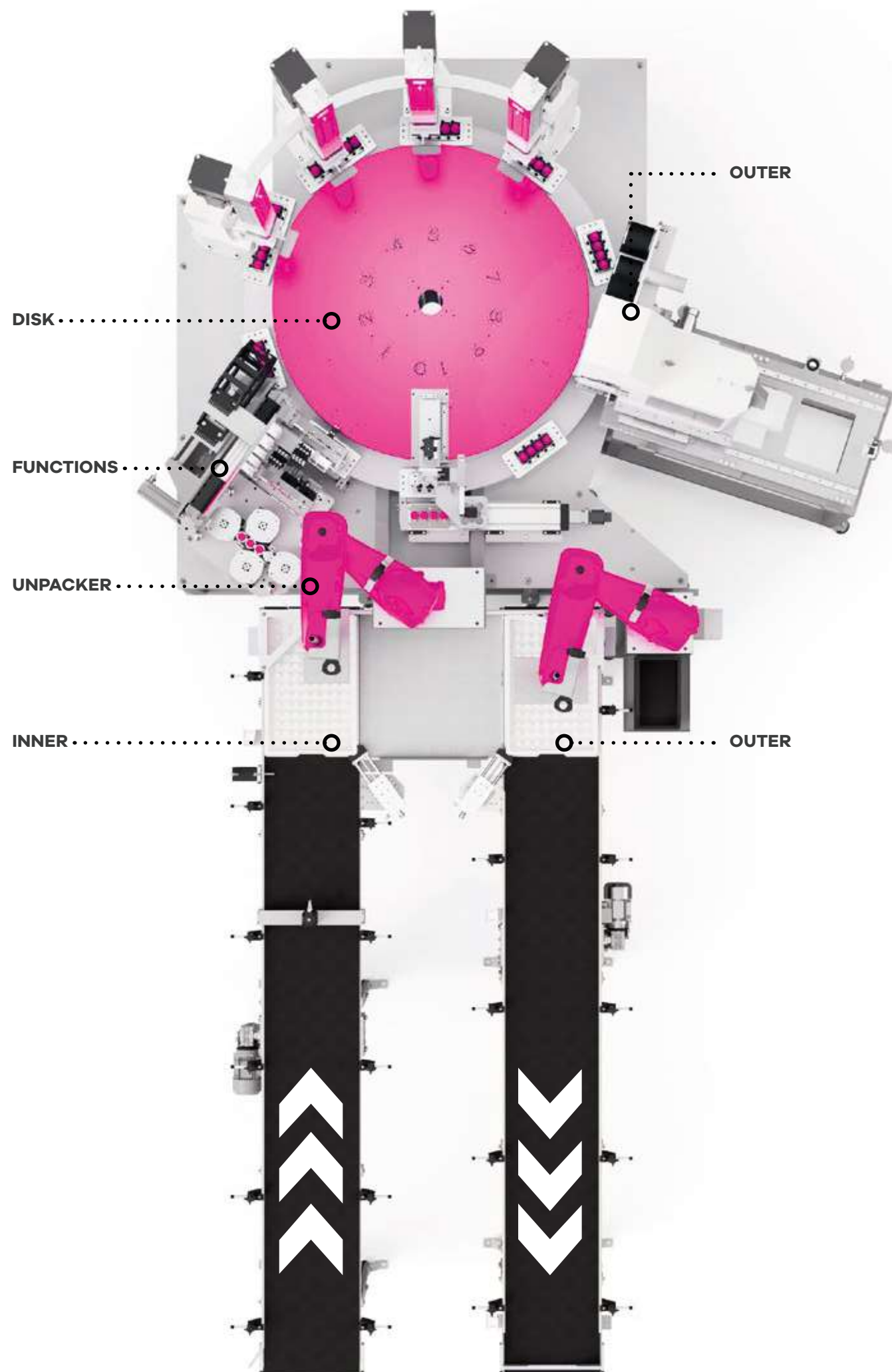
Dimensional Control



non-exhaustive list







## IX.1 CAROUSEL

- Economic compact solution
- Repetitive and accuracy assembly
- Transfer time < 200 ms

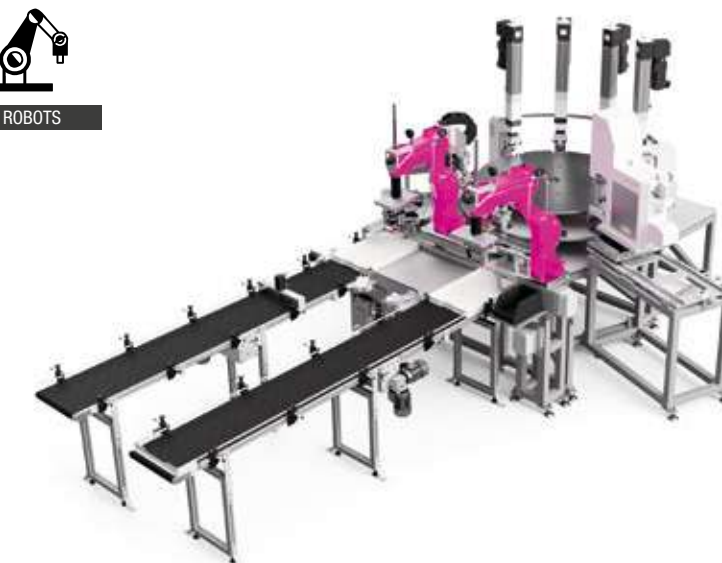
25 TO 50/MIN.	1,5M X 1,5M TO 7M X 7M	8 TO 16 POSTS	POLY ARTICULATED
SPEED RATE	DIMENSIONS	ASSEMBLY POSTS	ROBOTS

### Components parts

- Bin feeder
- Lift conveyor integrated into the feeder
- Product transfer carousel
- Vision and lighting system
- Up to 6 robots
- Machine frame : designed to plug & produce
- CEE machine standard

### Options

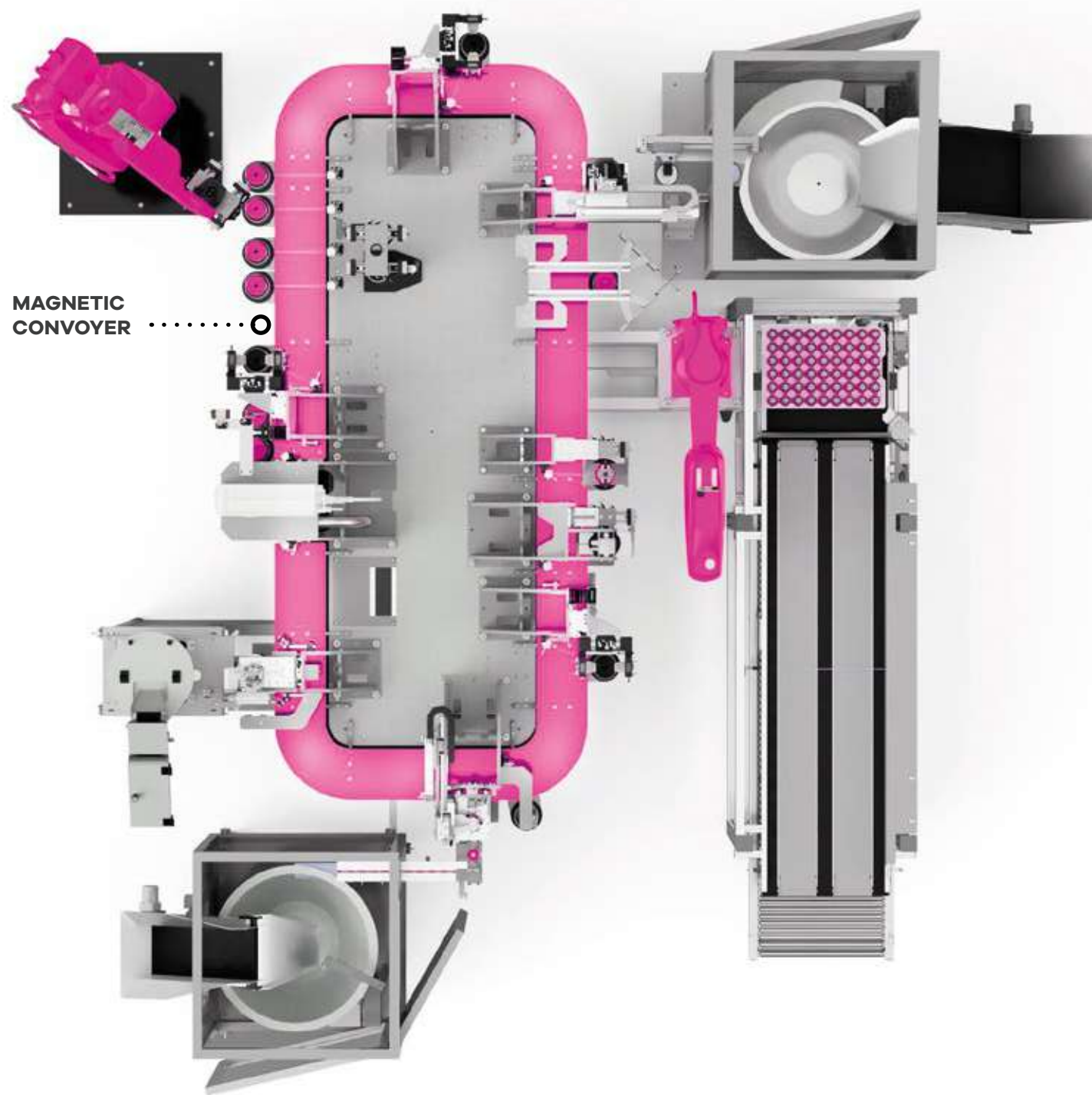
- Camera detecting product orientation
- Positioning in pucks
- Marking station
- Completion:
  - pad printing
  - hot decor
  - screen printing
- Traceability:
  - laser marking
  - proofreading
  - cloud
- and whatever you need!



### Enter / exit of distribution type

- Bulk
- Semi Bulk
- Pallet
- On bucket
- Thermo Formed Trays (PTF)
- Boxes
- Sheaths
- Checkouts
- Manual loading





MAGNETIC  
CONVOYER .....

## IX.2 MAGNETIC

- Flexible machine allowing a better layout in the factory around the input and output flows.
- Removes installation constraints and provides flexibility in operation between workstations
- Scalable machine : easy to introduce new functions
- Flexible machine guided magnetic transfer with variable pitch (flexibility, independent shuttles)

25 TO 50 PPM



SPEED RATE

ANY



DIMENSIONS

ANY



ASSEMBLY POSTS

ANY



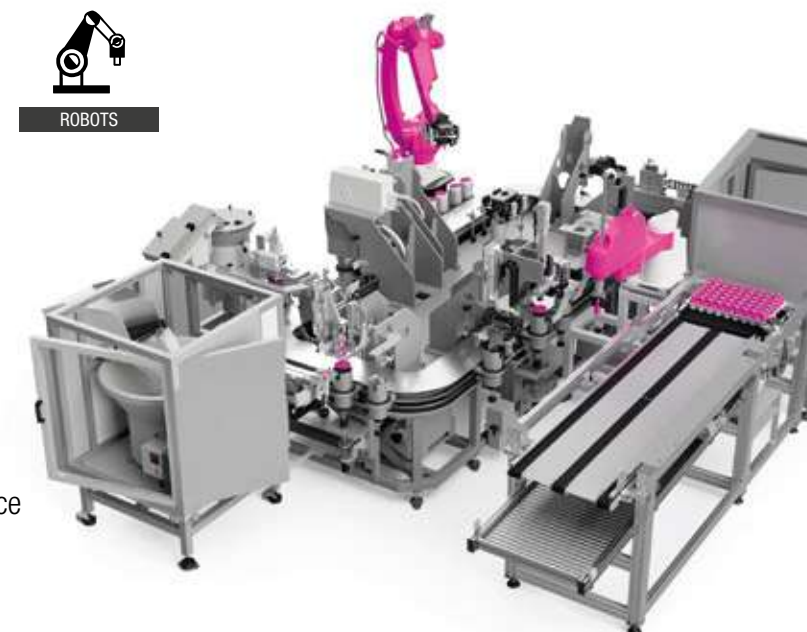
ROBOTS

### Components parts

- Bin feeder
- Lift conveyor integrated into the feeder
- transfer by magnetic conveyor
- Vision and lighting system
- Any robots
- Machine frame : designed to plug & produce
- CEE machine standard

### Options

- Camera detecting product orientation
- Positioning in pucks
- Marking station
- Completion:
  - pad printing
  - hot decor
  - screen printing
- Traceability:
  - laser marking
  - proofreading
  - cloud
- and whatever you need!



### Enter / exit of distribution type

- Bulk
- Semi Bulk
- Pallet
- On bucket
- Thermo Formed Trays (PTF)
- Boxes
- Sheaths
- Checkouts
- Manual loading



Discover  
the **U2** innovation  
the first use in robotic's world

## IX.3 LEVITATION

- Ultra flexible machine allowing a better layout in the factory around the input and output flows.
- 6 degrees of freedom - unlimited conception
- Scalable machine : ultra easy to introduce new functions
- Removable and plugging workstations
- Flexible machine guided magnetic transfer with variable pitch (flexibility, independent shuttles)

25 to 50 PPM



SPEED RATE

ANY



DIMENSIONS

ANY



ASSEMBLY POSTS

ANY



ROBOTS

### Components parts

- Bin feeder
- Lift conveyor integrated into the feeder
- Transfer by magnetic shuttles
- Vision and lighting system
- Any robots
- Machine frame : designed to plug & produce
- CEE machine standard

### Options

- Camera detecting product orientation
- Marking station
- Completion:
  - pad printing
  - hot decor
  - screen printing
- Traceability:
  - laser marking
  - proofreading
  - cloud
- and whatever you need!



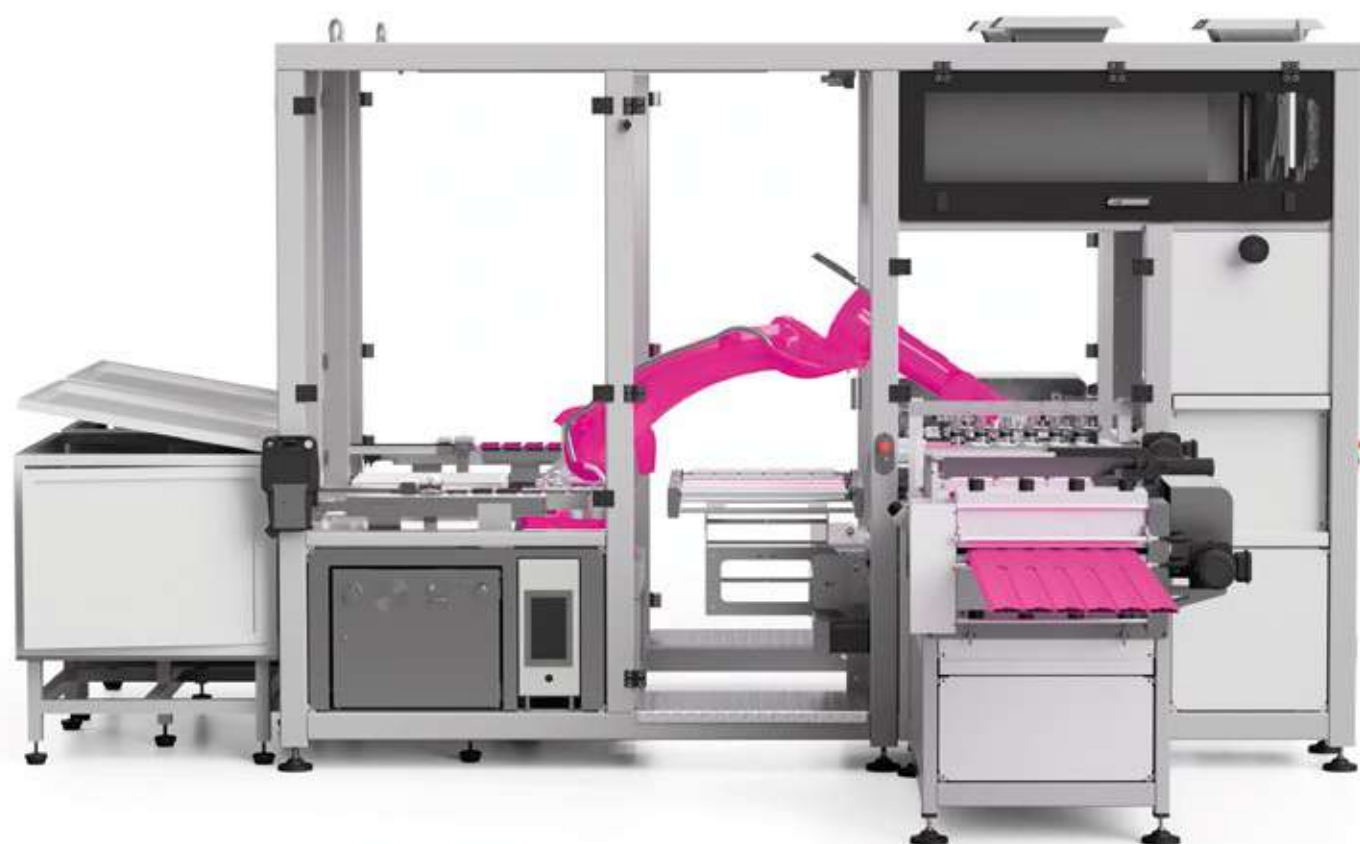
### Enter / exit of distribution type

- Bulk
- Semi Bulk
- Pallet
- On bucket
- Thermo Formed Trays (PTF)
- Boxes
- Sheaths
- Checkouts
- Manual loading



**ROBOTICS**  
FLEXIBLE FACTORY  
**BREAKTHROUGH TECH**





## IX.4 SPS ASSEMBLER

- Robotic line dedicated to the assembly of rolling shutters for closing swimming pools
- Ultrasonic welding system
- Robotic distribution and placement of caps
- 1 operator to drive the SPS Assembler line

**3 SEC**  
WELDING TIME  
PER SEALED  
PLUGS



SPEED RATE

**FROM 12 TO 20**  
COMPLETE  
POOL COVERS  
PER DAY



VOLUME

EXTRUDED  
POLYCARBONATE  
SLATS  
**LENGTH 7m MAX.**



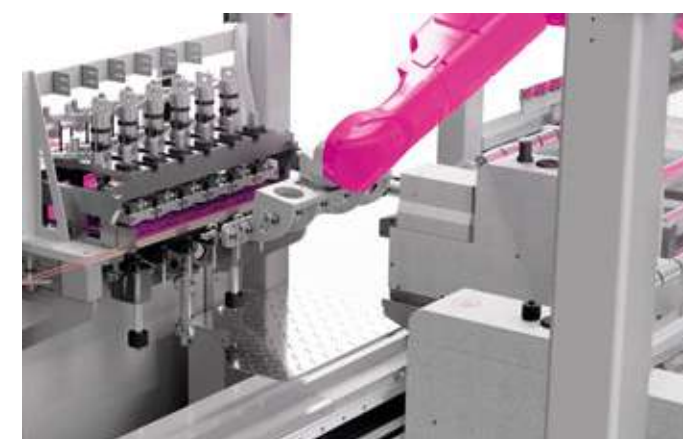
WELDING

## Components parts

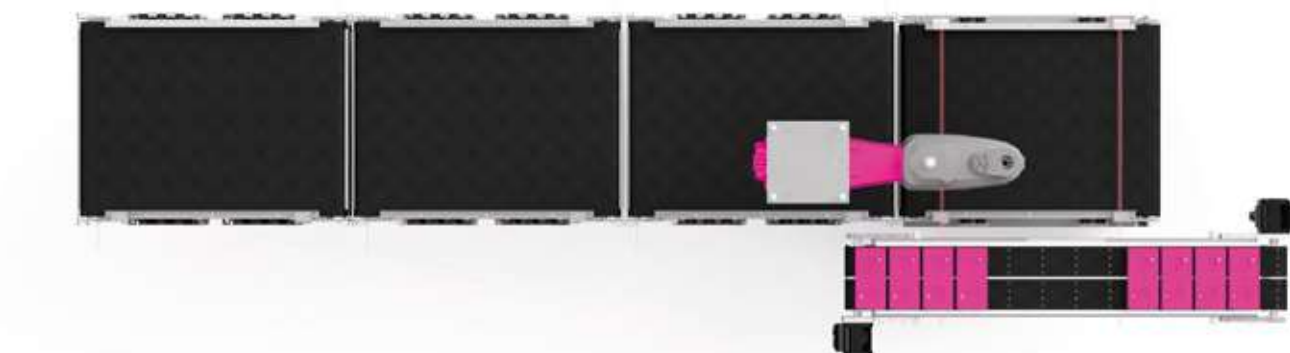
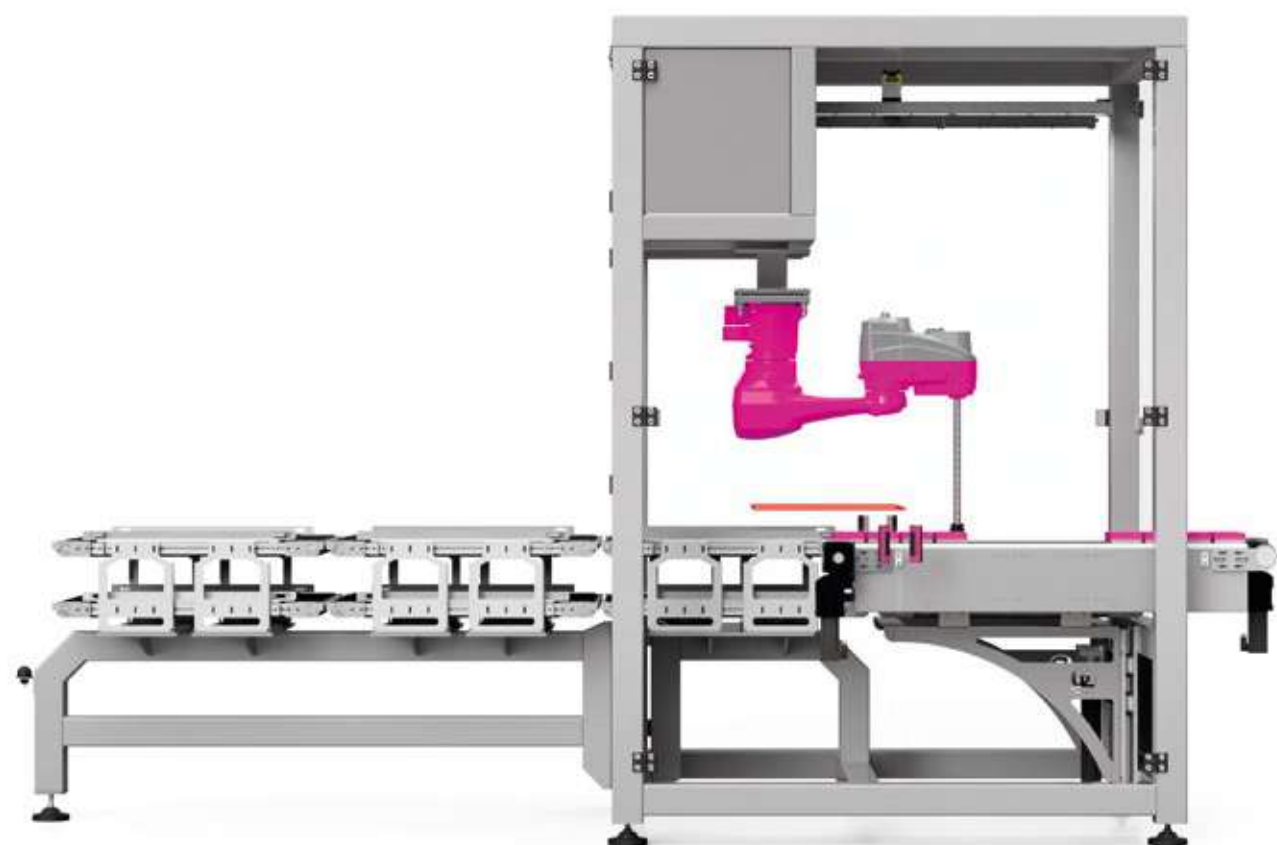
- 1 robot
- 2 ultrasonic welding system
- automatic conveyor system

## Options

- Sawing
- Blade feeding
- Evacuation and crating after welding







## IX.5 FLEXI TRAYS

- Ultra fast and flexible format changeover time
- Multi trays : no need adjustments
- Adaptive to all the assembly machine

40 PPM  
AND 60 PPM



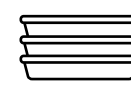
SPEED RATE

2M X 5M  
(MAX)



DIMENSIONS

800 MM X  
600 MM (MAX)



TRAYS



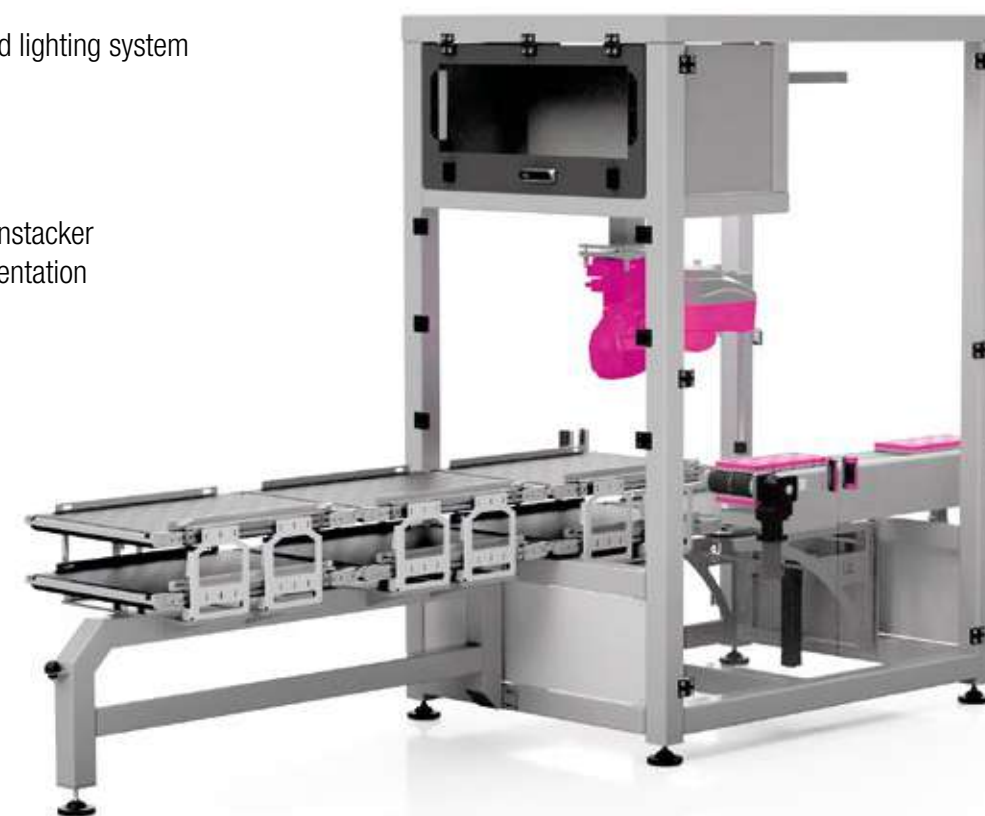
ROBOT

### Components parts

- 1 robot
- Camera and lighting system

### Options

- Stacker / unstacker
- Product orientation







## X.1 SORTING

**SOLUTION  
BREVETÉE**

To master and control the products at the various stages of manufacture, CITF has developed unique know-how in the sorting and separation market. The positioning in addition to existing systems allows to obtain an exceptional refinement of the results. The ranges of machines we have today make it possible to obtain rapid productivity gains with a very attractive return on investment.

### FLEXI-SORTER II

- X.1 GRAPES SORTER
- X.2 PLASTIC SORTER
- X.3 COPPER SORTER
- X.4 STAVES SORTER



## X.1 ALIEN : GRAPES SORTER

- Robot machine for automated sorting of the harvest
- Elimination after de-stemming the grapes of all the waste resulting from the manual harvest (stalks, pink berries, stem, leaves...)
- Reduction of the demanding nature of the hand sorting task
- Quick and easy cleaning (less than 30min)
- Preserves integrity of berries

UP TO  
400 MOG



SPEED RATE

3,8M  
X 1,5M



DIMENSIONS

UP TO 2  
DELTA



ROBOT

UP TO  
8 TONS  
PER HOUR



GRAPES

Output production : up to 400 MOG removed per minute,  
up to 8 tons of grapes sorted per hour,  
continuous sorting and regularity of the sorting rate







## X.2 PLASTIC SORTER

- Plastic recycling system for PS, HIPS, PP, PVC, PEBD, PEHD, ABS, PC, PET.
- TriboElectrostatic separation system
- A first set of systems involved eight granular polymers, size 6 mm to 12 mm, originating from waste electric and electronic equipment (WEEE).

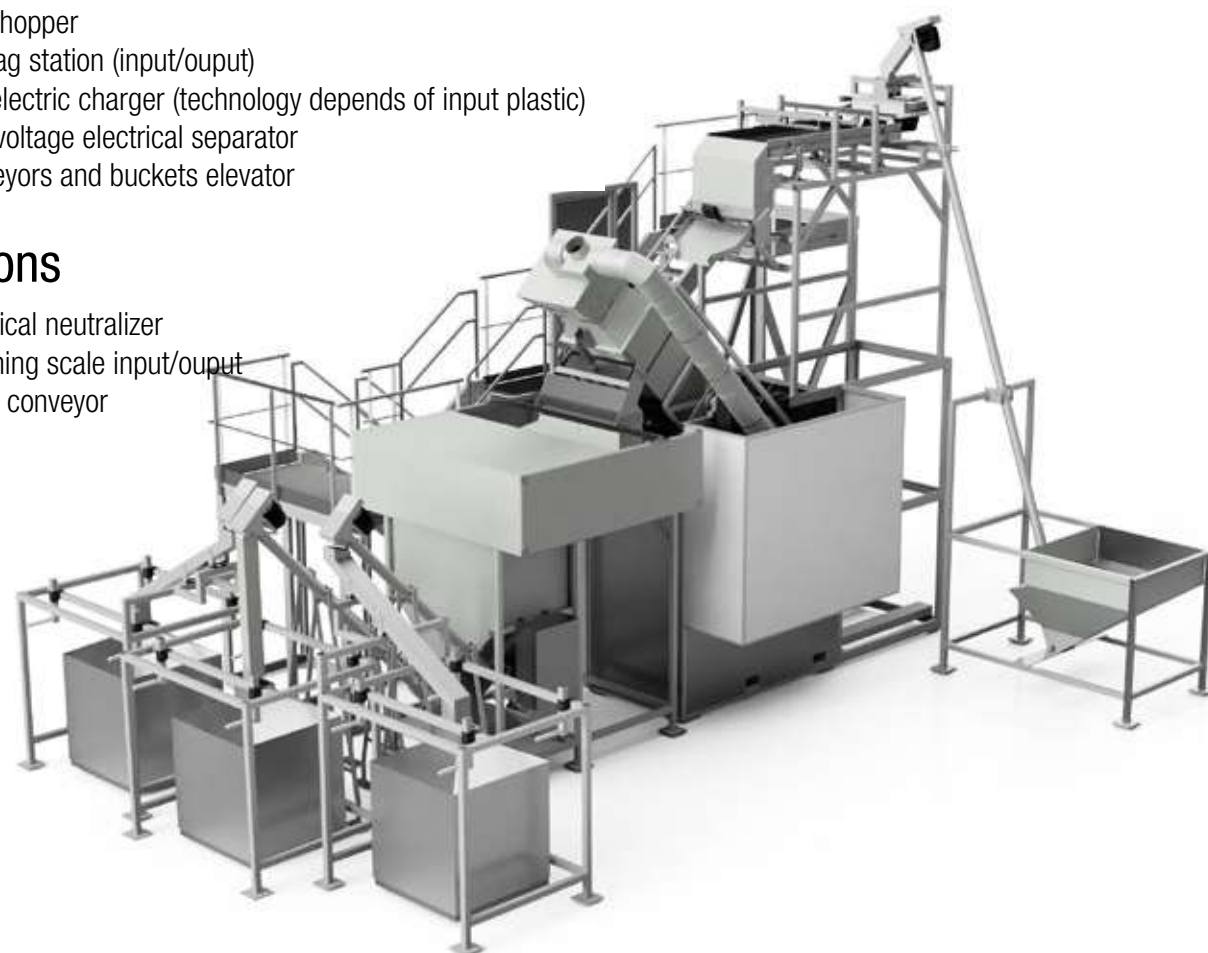
FROM 1T TO 2T/H	8M X 6M X 6M	FROM 6 TO 12MM	99%	PS, HIPS, PP, PVC, PEBD, ABS, PC, PET
SPEED RATE	DIMENSIONS	OUTPUT SIZE	PURITY RATE	PLASTIC MATERIAL AVAILABLE

### Components parts

- Input hopper
- Big bag station (input/output)
- Triboelectric charger (technology depends of input plastic)
- High voltage electrical separator
- Conveyors and buckets elevator

### Options

- Electrical neutralizer
- Weighing scale input/output
- Servo conveyor



## X.3 COPPER SORTER

- Non-ferrous metal recycling system : electrical cables and WEEE.
- Electrostatic separation system
- Recovery of copper present at the machine input greater than 98%
- The output plastic could be 100% pure



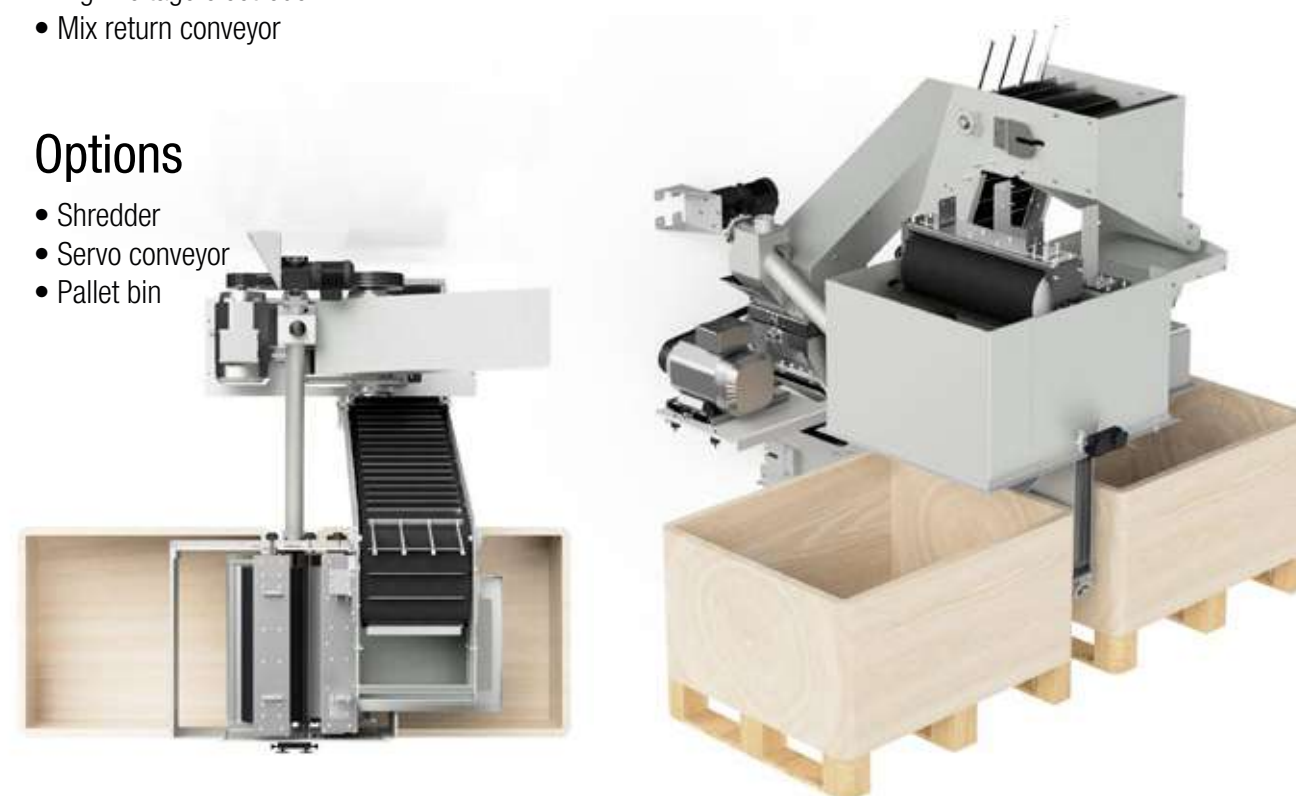
FROM 120 TO 200 Kg/h	2X3M	2MM	UP TO 28%	UP TO 40%	UP TO 60%
SPEED RATE	DIMENSIONS	OUTPUT SIZE	WEEE	STANDED INDUS.	SOLID STRANDED

### Components parts

- Granulator
- Vibrating table
- High voltage electrode
- Mix return conveyor

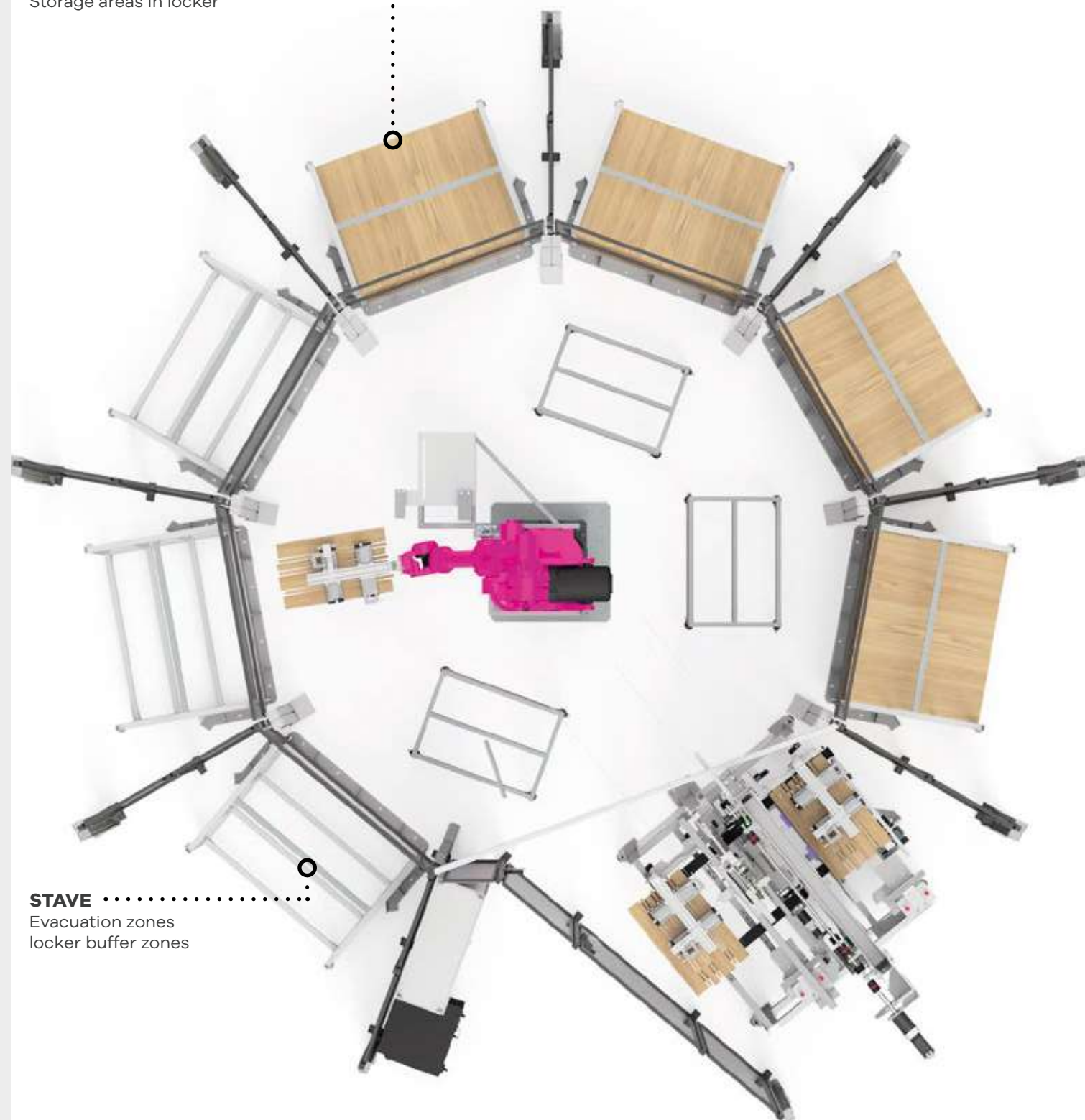
### Options

- Shredder
- Servo conveyor
- Pallet bin





**STAVE** .....  
Storage areas in locker



**STAVE** .....  
Evacuation zones  
locker buffer zones



## X.4 WOODY : STAVES SORTER

- Innovative robotized cell which allows the handling of the elements of manufacture of a barrel such as staves or merrains.
- Measuring and sorting the staves to create the flat roll of the cask in storage racks
- Eliminates all the risks associated with handling, including musculoskeletal disorders (MSDs) that your operators may experience

UP TO  
400 PPM



SPEED RATE

9M  
X 9M



DIMENSIONS

1  
6-AXIS



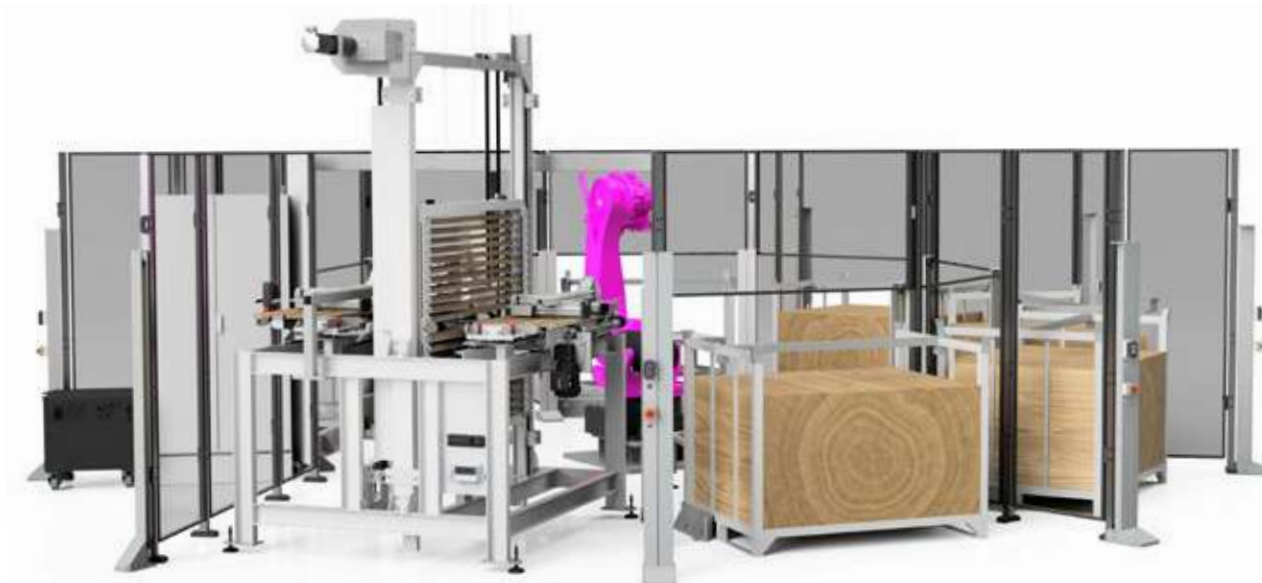
ROBOT

### Components parts

- 1 robot 6-AXIS
- 5 stave storage areas in locker
- 3 stave evacuation zones / locker buffer zones
- Vacuum gripper
- Camera and measurement system
- 1 fenced enclosure (safety operators)

### Options

- Possibility of integrating a traceability system paired barrels







## XI.1 MILLING

**SOLUTION  
BREVETÉE**

### FLEXI-MILLER

- XI.1 STAVE MILLING M (MERRAINS)
- XI.2 STAVE MILLING D (DOUELLES)
- XI.3 STAVE MILLING GC (GRAND CONTENANT)
- XI.4 BARREL SANDING GC (GRAND CONTENANT)

## XI.1 STAVE MILLING M (MERRAINS)

- Ultra compact robotized machine
- Stave rectification after seasoning
- Wood cost saving and reduction of scrap material
- Automatic clamping, referencing determination and measurement of the milling cutters's placement

LESS THAN  
20 SEC.



SPEED RATE

2M X 1,3M  
X 1,90M



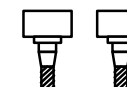
DIMENSIONS

BRUSHLESS  
2-AXIS



MOTOR

SPINDLE  
X2



MILING SPINDLE

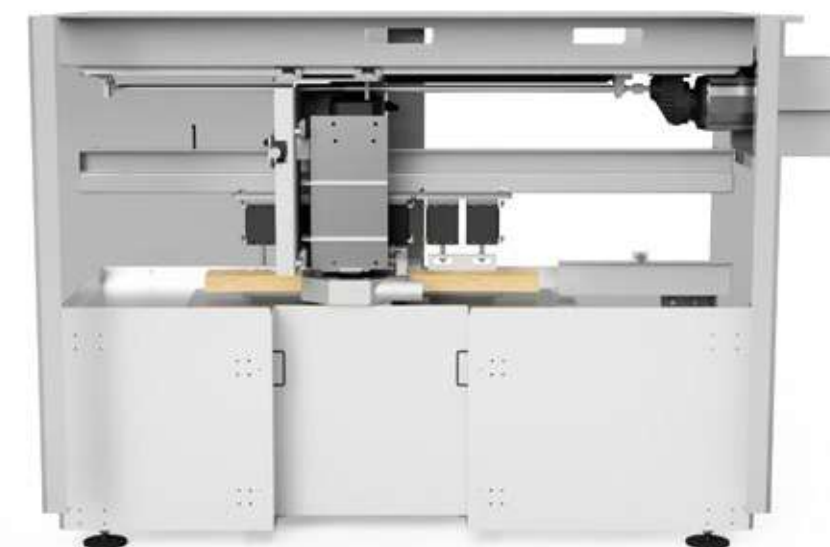
MIN 755x40x20MM MAX 1250x140x40MM



WOOD DIMENSION

## Components parts

- Brushless motor
- 2 milling spindles
- Laser measurement
- Safety light curtain

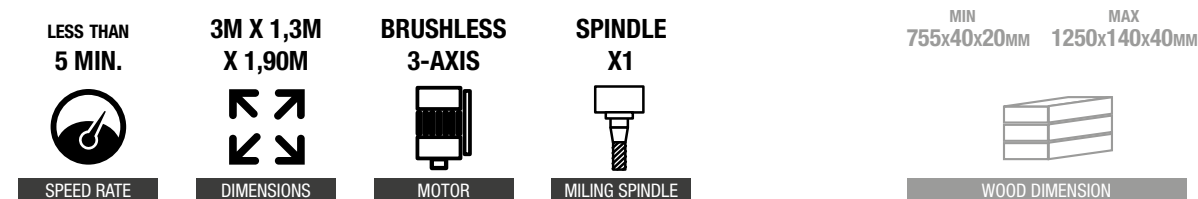






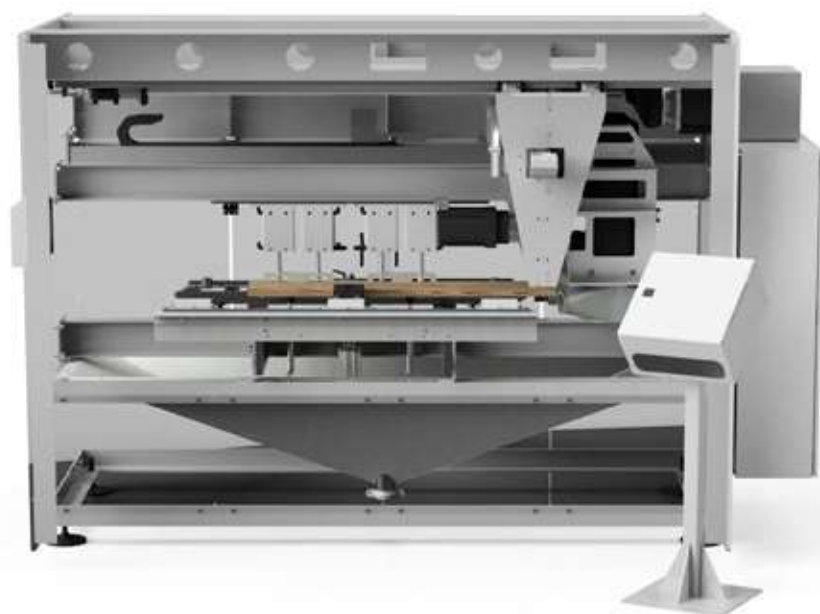
## XI.2 STAVE MILLING D (DOUELLES)

- Ultra compact robotized machine
- Stave rectification before jointing
- Wood cost saving and reduction of scrap material
- Automatic clamping, referencing determination and measurement of the curved milling cutters's placement



### Components parts

- Brushless motor
- 1 milling spindle
- Laser measurement
- Safety light curtain
- Trajectory database



## XI.3 STAVE MILLING GC (GRAND CONTENANT)

- Robotic milling machine for vat/tank staves
- Stave milling before jointing
- Wood cost saving and reduction of scrap material
- Define the profile of the stavewood and optimize the machining path to limit material loss
- Eliminates all the risks associated with handling, including musculoskeletal disorders (MSDs) that your operators may experience

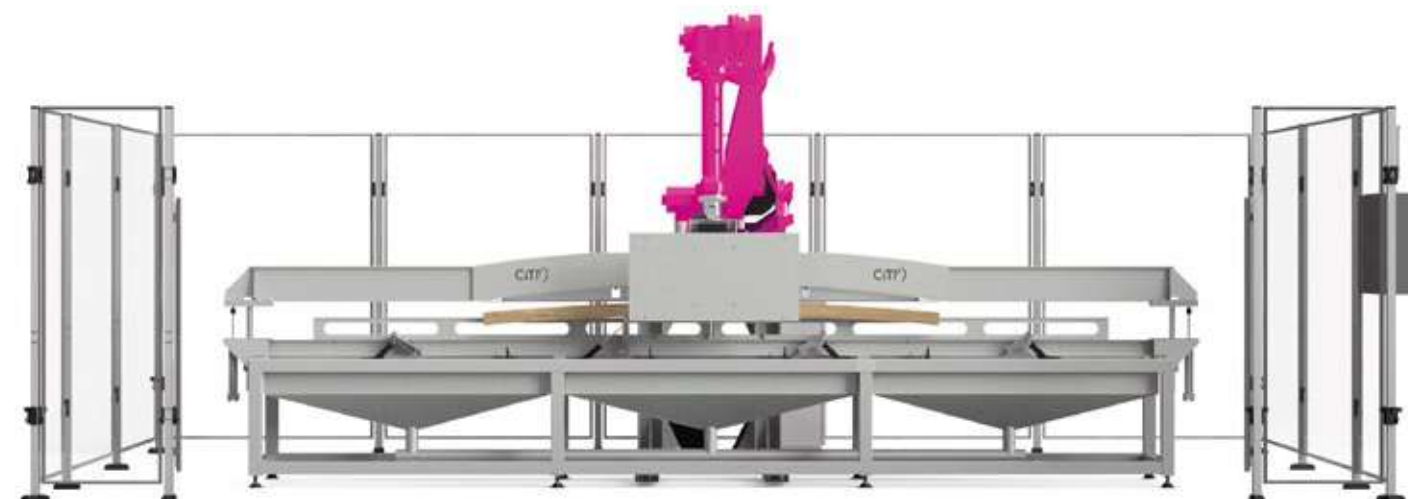


### Components parts

- 1x 6-AXIS robot
- 1 milling spindle
- Laser measurement
- Safety light curtain
- Trajectory database
- Clamping and referencing

### Option

- Tools for curved or straight staves







## XI.4 BARREL SANDING (GRAND CONTENANT)

- Innovative robotic cell to automate the sanding of all types of barrels
- Polyvalent solution for sanding casks and vats (round; conical truncated; oval)
- Workforce cost saving
- Define the profile of the barrel and optimize the machining path to limit material loss
- Eliminates all the risks associated with handling, including musculoskeletal disorders (MSDs) that your operators may experience

2 TANKS  
PER DAY



SPEED RATE

6M X 6M



DIMENSIONS

1  
6-AXIS



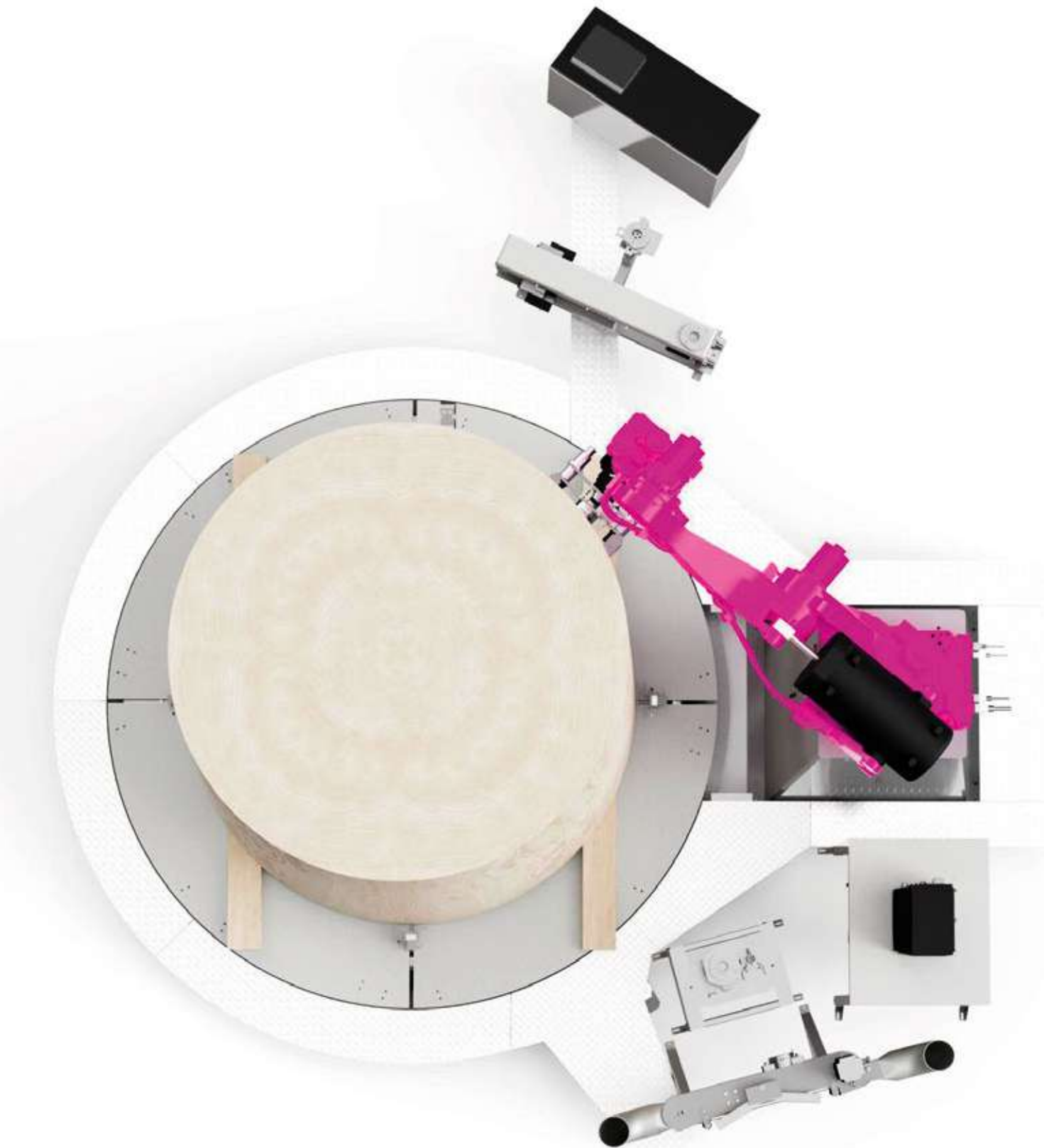
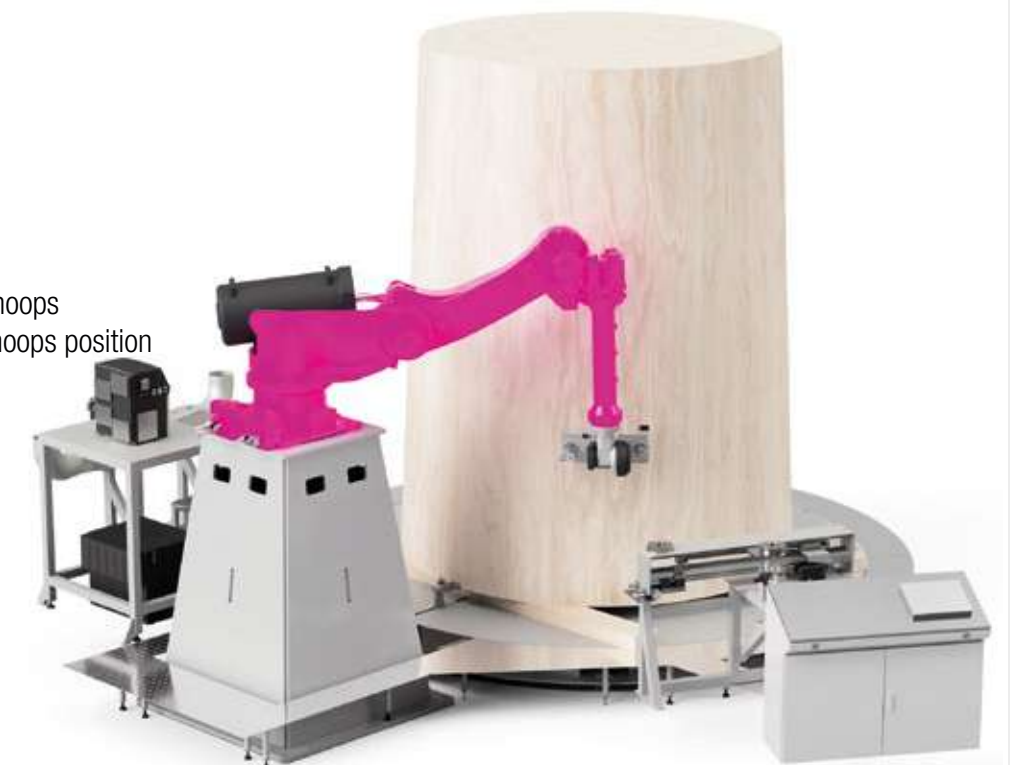
ROBOT

### Components parts

- Automatic measurement system
- Rotary table
- 1 robot 6-AXIS
- Sanding tool
- Safety light curtain

### Option

- Band and/or disc sanding
- Automatic hammer tool for hoops
- Automatic marking tool for hoops position
- Aerial work platform





For an agile and adaptive vision along  
timelife of your robotics park.



- **ENGINEERING**  
& PROOF OF CONCEPT
- **VIRTUAL REALITY**
- **TRAINING**
- **REMOTE ASSISTANCE** SERVICE
- **SMART PART**
- **RETROFIT**

**ENGINEERING**  
& PROOF OF CONCEPT

**PROJECT** TIMELIFE

**VIRTUAL REALITY**

**TRAINING**

**MACHINE LIFE** CYCLE

**RETROFIT**

**SMART PART**

**REMOTE ASSISTANCE** SERVICE



## ENGINEERING & PROOF OF CONCEPT

### Risk and feasibility management

Our "catalogue" solutions do not meet your needs? We can offer you "on demand" solutions. Mach'Tel has all the experience and talent to offer you a special machine according to your needs. We manage your request in the form of a preliminary project. We quickly assess the risks of the project, including of course its feasibility.

Depending on these elements, we may have to carry out a more detailed pre-study which will be invoiced. The modalities will obviously be decided in consultation with you.

### Objectives of the pre-study

- Remove technical doubts and validate expected performance.
- Remove financial doubts by refining the budget.
- If necessary, validate certain project partners and/or equipment.

In the end, respond to all the risks that have been removed to secure the project and validate a commercial offer that satisfies the client's specifications.

### Modern tools at your disposal

We manage this pre-project phase as a project in its own right.

To this end, we can provide :

- Our pre-sales engineers
- Our mechanical design office
- Our automation and robotics design office
- Our test benches
- Our virtual reality bench (at UNISTA)
- Our collaborative project management platform MONDAY
- Our touch screens for collaborative design

## VIRTUAL REALITY

**The Virtual Reality in the industry, only benefits !**

### The VR for professional uses

You have already heard about this technology, it has been widely used in video games. But did you know that uses have been able to evolve more and more to other fields?

Now, many different sectors use the virtual reality to work as in the medical one for example, and of course, in the industrial sector!

The Virtual Reality, that makes you feel the same sensations as in reality, is therefore a technology that has enabled us to enter the Industry 4.0.

Let us explain you how we use it at U2 Robotics in Unista company!

### Project yourself in your future packaging lines...

Imagine you could see every details of the robots, even the screws of your future machine when it is not yet manufactured. Wouldn't it be amazing? Let us tell you that it's totally possible with our 3D Cube and virtual reality!

This immersive technology will give you the chance to see on the real scale your potential unscrambler, case-packer or any another machine you could order.

### Three big advantages of virtual reality:

You can easily see how the machine will be in your workshop.

And you will be able to see all the components in details from it.

You even can take measures of each parts on the real scale.

### ... And welcome to the flexibility of Industry 4.0!

On a 2D plan, we can have a first view of the machine, but with the technical drawings in 3D you can totally see if there are any defaults that could disturb the future production.

Seeing these defaults before making the machine allow us to adapt our plans, making us agile and flexible to best meet your request on the quality, security etc...

### The best way to be convinced is to try

You have any project for a future production line? And you would like to see how it could adapt to your workshop and machines that are already present?

Contact us to talk about your projects, and take advantages of all what VR can offer you to visualize them





## TRAINING

*Managing spare parts has never been easier!*

**Even the best industrial machine is nothing without a good driver and good maintenance.**

It is its operators and maintenance technicians who will ultimately make it a high-performance and efficient machine over time.

This is why, before delivery and on site, U2 Robotics sets up training sessions

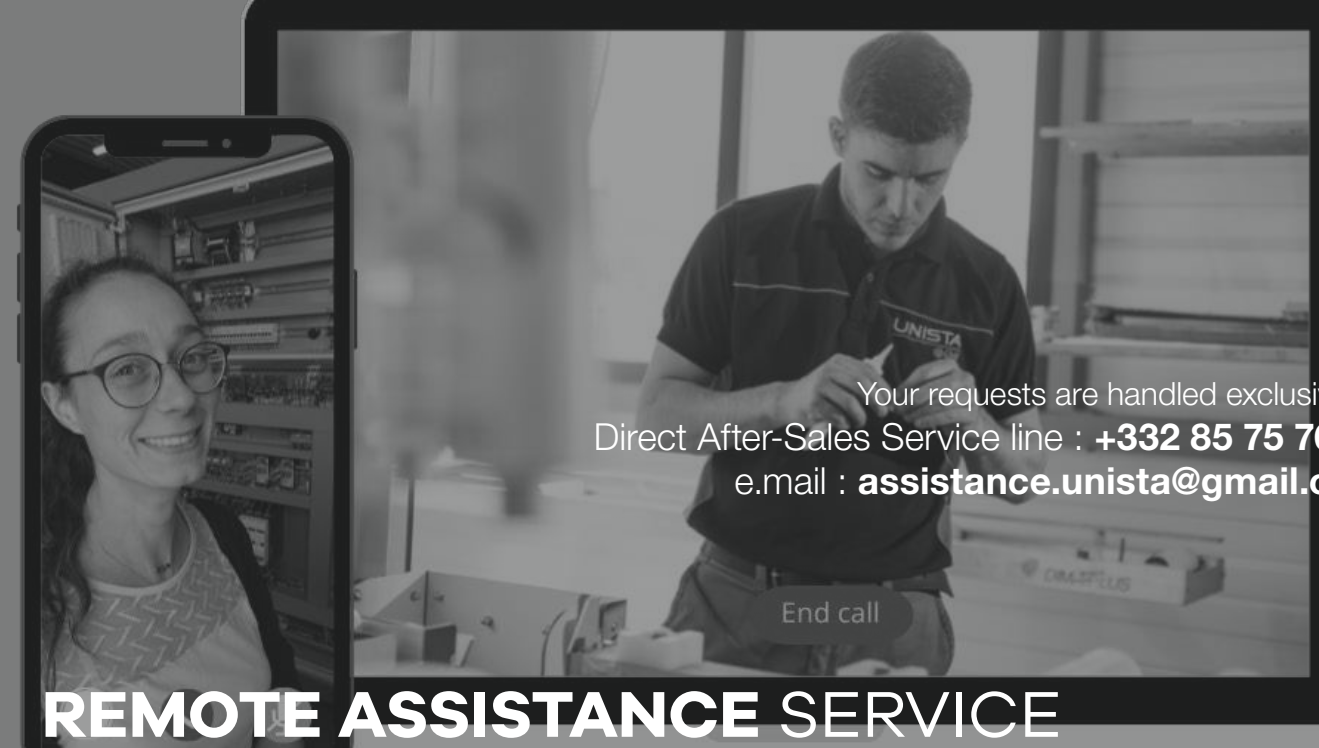
- A pre-delivery training session has the advantage of having a continuous presence, without production pressure and in another context. This session creates a link between the U2 technicians and the team that will be in charge of the installation.

- The next session is the one on site after the implementation. It allows for a training session with more exchange and answers to specific questions.

The surveillance cameras associated with the OS package also provide concrete training support.

We also offer additional training sessions throughout the life of the machine.

U2 is at your side before, during and after the delivery of the machine.



## REMOTE ASSISTANCE SERVICE

*U2 group offers you a remote assistance service in order to respond quickly and efficiently to your requests:*

- **Technical assistance**
- **Advice**
- **Formation**
- **Improvement plan**
- **Preventive and curative maintenance plan**
- **Establishment of a systematic intervention plan**

We offer you various loyalty packs through an assistance credit system, including a periodic visit to your site. These packages and prices apply for all items out of warranty.

### **The interest ?**

- + reactivity
- + better follow-up
- + best advice
- + serenity

### **Pack Assist**

- + 100 credits for 25 hours of remote assistance
- + Automatic relaunch when your assistance credit is used up
- + Your requests are taken care of within 24 hours maximum

### **Pack Zen**

- + 100 credits for 25 hours of remote assistance
- + Automatic relaunch when your assistance credit is used up
- + Your requests are prioritized and taken care of within 6 hours maximum
- + Three days on site (preventive, curative, advice and improvement), costs included in mainland France

Logistics costs may be added depending on the conditions of intervention  
You will be offered a new visit when the first has passed



## SMART PART

*Managing spare parts has never been easier!*

In order to facilitate the use of the machine and its maintenance, we have developed a tool that allows you to see your machine in 3D with exploded views, piece by piece.

With this software, you can send a quote request to UNISTA with the list of parts that you have previously selected.

The use of Smart Part is intuitive and allows easy access to all necessary plans.

Now managing your spare parts will only take a few minutes!

## RETROFIT

*The market evolves, your machines too!*

At U2 Robotics our job is also to help you to improve your work tool.  
A team is on your side:

- **To consolidate the reliability of your machines**  
(to reduce your failures, the obsolescence of the material)
- **To improve the ergonomics and the security of your equipments**  
for your technicians (compliance)
- **To increase your machines' productivity**
- **To optimize your equipments**
- **To adapt your machines for new products/references**

Our team, composed by electrical, mechanical and automation technicians, is at your disposal to analyse your needs and to guide you to retrofit your machines.  
For these projects, U2 Robotics guarantees to its customers a simple, quick and efficient management!





**COVAL**  
vacuum managers



COVAL offers a wide range of solutions for vacuum handling:

- Vacuum cups
- Vacuum Pumps
- Intelligent vacuum pumps
- Vacuum boxes
- Accessories

Its products are used in machines for :

- Palletizing
- Cartoning
- Carton assembly
- Laying and removal
- Filling

French manufacturer, COVAL supports its customers from the definition of their needs to the integration of solutions in their equipment throughout the world, thanks to its 5 branches and its network of distributors.

[www.coval-international.com](http://www.coval-international.com)



#### OUR TEAM'S REVIEW...

**Frédéric BONICEL**

Responsable BE mécanique

Coval has been with us since the beginning to find the most optimised solutions that our customers need. Through tests or simply exchanges, Coval is a force of proposal in the majority of our projects. This is why many of our machines are equipped with Coval, especially all our standard unscramblers.



Interroll Group is the world's leading provider of material flow solutions. Founded in 1959, Interroll offers system integrators and plant equipment manufacturers a wide range of products and services including:

- Rollers for conveyors
- Motors and drives for conveyor systems
- Conveyor modules and high speed sorters
- Pallet & Carton Flow (dynamic storage systems), transfer cars & stacker cranes
- Mobile robotic solutions for pallet handling in the manufacturing process

Interroll's solutions are used in express and postal services, e-commerce, airports, food, fashion and automotive sectors, as well as in many other industries.

[www.interroll.com](http://www.interroll.com)



UNISTA, as a member of the U2 Robotics Group, is an approved partner of Interroll's global Rolling On Interroll programme and uses Interroll's 24V drive technology and control cards, drum motors and a wide variety of conveyor rollers for its robotic solutions for packaging lines.

[www.rollingoninterroll.com](http://www.rollingoninterroll.com)



**CONTACT :**  
 Freddy LIAIGRE  
 KEY ACCOUNT MANAGER  
[f.liaigre@interroll.com](mailto:f.liaigre@interroll.com)



#### OUR TEAM'S REVIEW...

**Tanguy GOURAUD**  
 Mechanical Designer

The extensive range of INTERROLL conveyor rollers meets all our process requirements. We use them for carton and pallet conveying applications in the cosmetics and pharmaceutical industry. However, they can also be used in other industrial sectors. INTERROLL assists us in making the appropriate technical choices to best meet the customer's needs.





Founded in 1956, FANUC Group is organised around 3 activities:

- industrial robots
- numerical controls
- machines (wire EDM - machining centre - electric injection moulding machine)

At FANUC's factories, located at the foot of Mount Fuji, more than 4,000 robots manufacture 80,000 robots, 300,000 CNCs and 60,000 machines each year. FANUC offers a complete range of industrial robots in all aspects of robotics.

FANUC Group employs 10,000 people worldwide (of which more than 1,400 are dedicated to R&D) and has more than 271 branches.

FANUC France is managed by Jean-Hugues Ripoteau and employs 200 people. The head office is based in Lisses (91). A company is established in Marnaz (74) and another in Les Echets (69).

**[www.fanuc.eu](http://www.fanuc.eu)**



For many years, FANUC has built up privileged relationships with its integrator partners by making available to them its know-how and experience acquired over more than 60 years.

FANUC France has a dedicated team to support its integrator partners throughout all phases of their projects: from the pre-project stage to the serial life of the installations.

FANUC is driven by a Service First culture. Service First is the commitment to its customers, and he is the only manufacturer to offer lifetime support for its products in 264 service centres covering 108 countries worldwide.



#### OUR TEAM'S REVIEW...

**FRÉDÉRIC PAUL**  
Robotics Engineer

FANUC's extensive range of robots meets all our process requirements in the cosmetics industry and many other areas. From the preliminary design of our machines to the commissioning of our end customers, FANUC supports us in making the appropriate technical choices and in the associated developments. The robustness and speed of their robots make them an ideal partner in engineering with a very responsive pre-sales and after-sales support.



Stäubli Robotics is a major global actor in the robotics industry, consistently providing engineering solutions that are both efficient and reliable, as well as our service and support.

As a supplier of complete solutions for digitally networked production, Stäubli offers :

- a wide range of 4 or 6 axis robots, including robotic arms specially designed for sensitive or specific environments,
- autonomous mobile robots,
- driverless transport systems (AGVs)
- cobots for human-robot collaboration

Stäubli supports you at every stage of your project, from the definition of your specifications to the implementation of your project.

[www.staubli.com](http://www.staubli.com)

Stäubli Robotics has had a strong presence, in France and internationally, for many years in the pharmaceutical, medical device and cosmetics sectors.

In order to meet the needs of our various customers in the most appropriate way, we surround ourselves with partners who also have expertise in these markets, such as U2 Robotics.



#### OUR TEAM'S REVIEW...

**Émilie RABILLER**

Communication and marketing officer

Nonseruptat quatur? Cor ad ea ventem. Uptatiur, sed exerum renis re nem quaspitatat voluptiandis dit, unt rest quos eaquam, quis is reperat iisque lit optatia dite nobis moloritas iliae custibus. Aquo est, sit quaspe solorita voluptusti aut poria doles et ad ut anti nonseque doluptau ndaecae.





#### A TECHNOLOGICAL INNOVATION LEADER IN MACHINE AUTOMATION

B&R Automation develops and supplies complete and innovative automation solutions for food, pharmaceutical and cosmetic production lines. These solutions are specifically designed to make adaptive manufacturing easier and to meet new production challenges such as:

- Increasingly variable batch sizes
- Unpredictable demand fluctuation
- Shorter product lifecycles
- Customization trends

[www.br-automation.com](http://www.br-automation.com)

B&R Automation integrates its mechatronic systems, vision system and other products (Industrial IoT, drives, safety, etc.) into a single development and running environment. This high level integration gives machines the ability to automatically adapt to the product, thereby delivering decisive productivity gains.

B&R Automation supports the U2 Robotics group in implementing the newest automation technologies with a complete range of services: simulation (in pre-project phase and during development), skills transfer, technical assistance, training. The company's services cover the whole machine life cycle.

#### CONTACT :

Olivier RAMBALDELLI  
COMMUNICATION OFFICER  
[marketing.fr@br-automation.com](mailto:marketing.fr@br-automation.com)

The shuttles of the **ACOPOStrak** system from B&R Automation are controlled individually, so operators can make changeovers significantly faster or even produce different batches simultaneously on the same line.



Based on magnetic levitation, the **ACOPOS 6D** system from B&R Automation takes agile, compact and hygienic machine designs a step further. Its six-degree-of-freedom shuttles can be used to simplify or even eliminate process stations (e.g. weighing).



B&R Automation's simulation tools can be used to create a digital twin of the ACOPOStrak and ACOPOS 6D systems.



#### OUR TEAM'S REVIEW...



**Émilie CIBIEN**  
Automation Engineer

UNISTA, in collaboration with B&R, has developed a modular standard for special machine manufacturing. From axis management to HMI to new communications, the standard is unique but can be adapted to our multiple needs. The aim is to simplify programming for automation specialists and to anticipate all possible configurations. B&R supports us on a daily basis in this evolution.



Thanks to the experience it has gained in the industry, in particular cosmetics, pharmaceuticals and agri-food, ABB Robotics supports its customers in the automation of their installations, by offering innovative solutions and services.

- A wide robotic range: packaging, palletizing, picking, order preparation, etc.
- 24/7 technical support

#### Solutions for more efficiency

- Automation of repetitive tasks without added value
- Flexibility of production lines
- Increased Productivity Gains
- Reduced operating costs
- Sustainability of facilities

[www.abb.com](http://www.abb.com)



ABB offers its expertise in robotics to U2 Robotics's group which in turn, brings all its skills as an ABB-certified integrator and its agility to meet the needs of their customers.

It is in this context that, for more than 10 years, the ABB / U2 Robotics partnership has been based on mutual trust to support customers towards the best solution.



#### L'AVIS DE NOTRE ÉQUIPE...

**Jérémy FRANCHETEAU**  
Automation Engineer

ABB's great strength is the support of their customers thanks to their efficient teams. In addition, their robots benefit from simplified use thanks to their software and compatibility with all our functionalities to meet our customers' needs. This includes the batching of products, the opening of a carton with the placement of the carton on the batches from above, and the palletising in conjunction with our software. This is possible thanks to their extensive catalogue of robots.





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05-500 Piaseczno  
POLAND

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[www.machtel.fr](http://www.machtel.fr)



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[www.citf-group.com](http://www.citf-group.com)



POLAND



USA