



## PRODUCT PORTFOLIO

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

# Index

## ERSEY PRODUCT PORTFOLIO

### Introduction

- Our history
- Mission & Vision
- Competitive advantages
- References
- Ersey world wide

### Blowing

- Rotary Bloc Range
- Linear Range

### Fillers

- Water
- CSD
- Hot Fill
- Edible Oil
- Household

### Labelers

- Linear Hot Melt OPP
- Rotary Hot Melt OPP

### End of Line

- Palletising
- Depalletising
- Case Packer
- Strech Film Wrapper

### Line Equipment

- Premix
- Cooling
- Bottle Dryer
- Conveyors

### Line Equipment of 5 Gallons PC bottles

- DE capper
- Washer (external - internal)
- Filling
- Handle Applicator
- Neck sleeve

# OUR HISTORY

1978

Ersey Makina established on 1978 by Mr. Seydi Yanova.

Since that time, Ersey entered the field of beverage industries by designed and manufacturing PC Washing Filling Capping Machines for 5 Gallons containers.

2008

The aim of manufacturing Filling Machines characterized by innovative solutions lead Ersey to enlarge their activities so Filling, Labelling, and Packaging series were founded to cover different types of containers Pet, Glass, PC. This strategic milestone, leads us to approach new market segments and clients.

2009

The first Electrical Linear Blowing Machine was created. This achievement added value to our product portfolio and a competitive advantage by having a Linear Blowing Series that can reach a speed of 18,000 BPH. Also, The company expanded its working environment by moving to its headquarter building in Hadimkoy, Istanbul on an area of 15,000 m<sup>2</sup> that allow us to increase our production, including Medium-Low speed's Blowing Linear Series and all company department have managed by ERP (Barcode) system from order to transportation.

2013

We call it "The Year of Big Change".

Launches the new Rotary Block Systems Series of Blowing, Filling, and Capping Machines for high speed able us catch it's market immediately. The company international expand, guide us to establish widespread network of professionals to provide technical and commercial assistance. The first representative branch was opened in Egypt.

# MISSION AND VISION



## Our Mission

We seek to provide added value to investors as their partner with high innovative technologies & solutions for growth their business And in everything we do, we strive to adapt new technologies and international standards to fully meet their demands by Providing and servicing high quality solutions

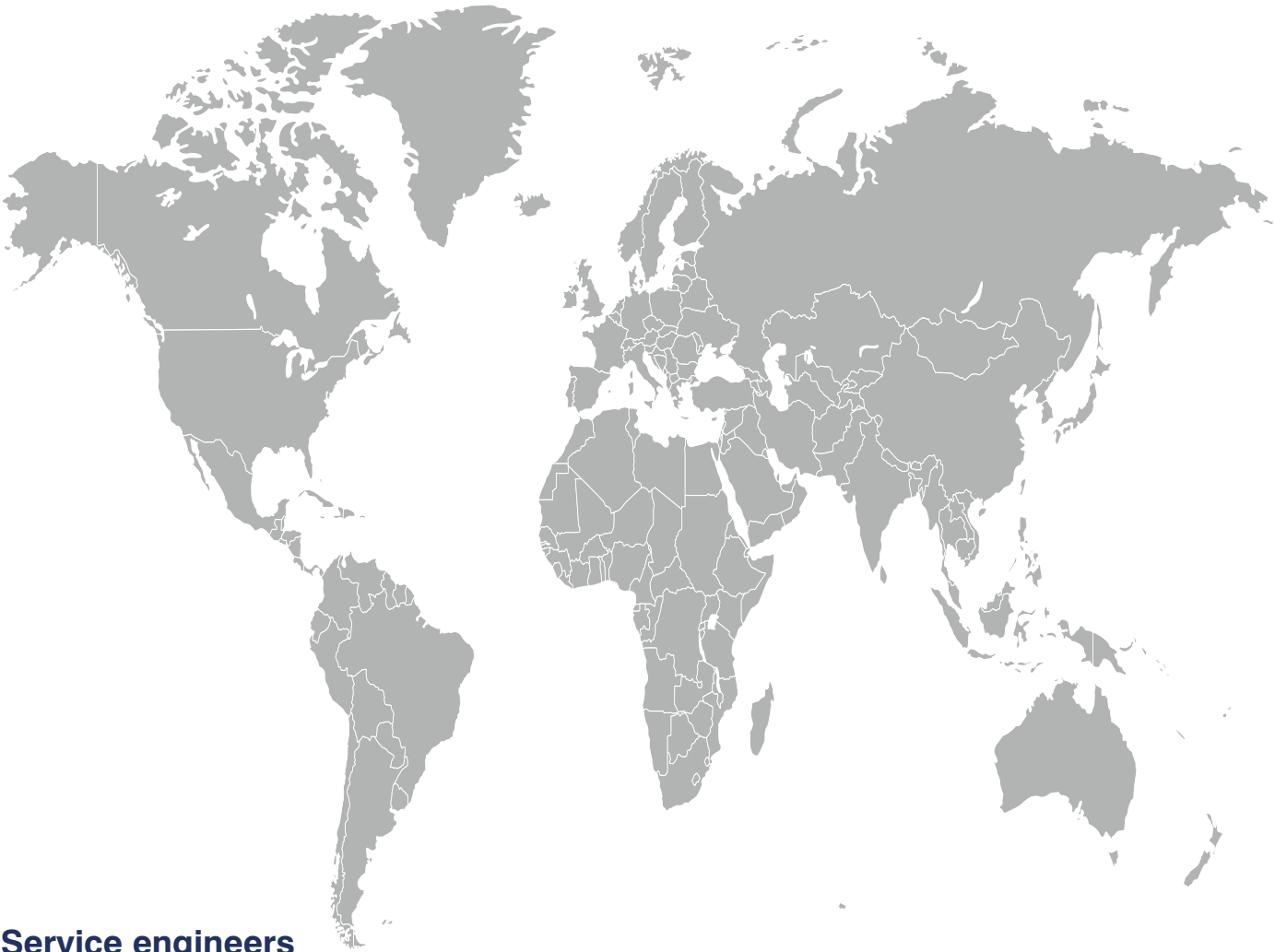
## Our Vision

Being the market leader and trusted partner in the fast growing market of drink and beverage.



# Introduction

## SERVICES-GLOBAL EXPERTISE



Service engineers



1000

**Linstollation**

42

**Countries**

24/7

**Technical support  
Technical assistance  
Spare parts**

# Introduction

## ERSEY LIFE CYCLE MANAGEMENT



**Installation &  
Commissioning**



**Training**



**Spare Parts**



**Maintenance  
Services**



**Productivity**



**Options**



**RENEW**

**Services solutions throughout your equipment's useful life**

# Introduction

## ERSEY PLANT



Ersey was founded in 1978, to design and manufacture bottling and packaging systems. Within short time the company has enlarged its activity to have very large production range, covering blowing, filling, packaging, palletising divisions for small, medium, big containers 0,2 lt up to 19 lt which include the latest technological features.



In 2013 Ersey Egypt was founded in Cairo, The main focus of the company's activities is sales operations, service operations of Ersey lines, provide spare to North Africa.

# Introduction

## PRODUCTION DIVISION

### Qualifications

- 42 Years of Experience
- International Standards
- In house Parts manufacturing
- Special Design for high Efficiency
- Innovative Technologies

### Added Value

- Turnkey Complete Lines
- Extensive Product Portfolio
- Energy Saving
- Technical Support
- Spare Parts





# ERSEY ORIGINAL SPARE PARTS

- 24/7 worldwide delivery of spare parts
- Emergency delivery on time
- Customized parts according to your needs
- Pre-assembly to reduce preparation time





# Introduction

## ERSEY SERVICES - EXPERTISE



### PERFORMANCE

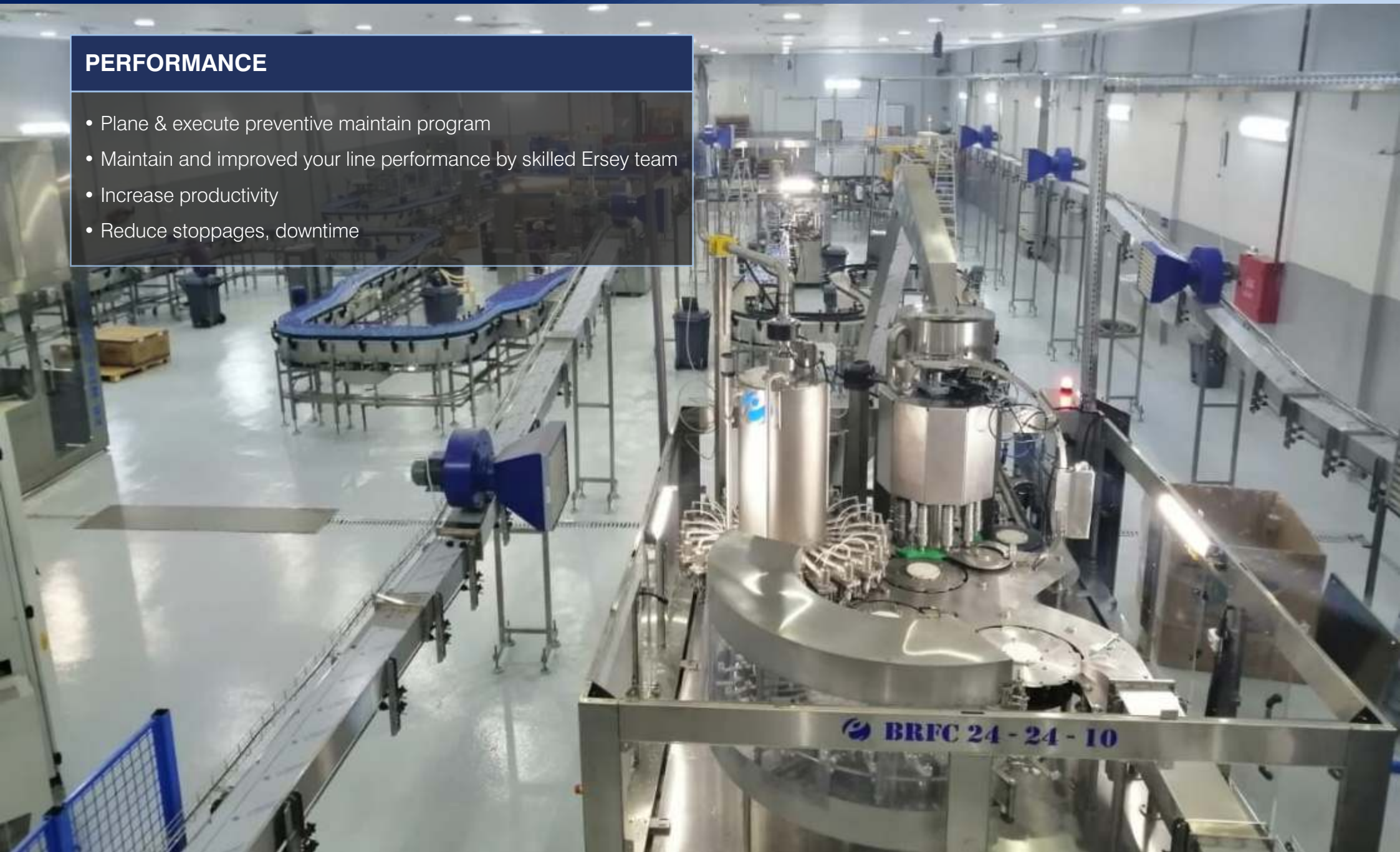
- Productivity
- Maintenance
- Decrease Maintenance and Operation Costs



# IMPROVE YOUR LINE PERFORMANCE

## PERFORMANCE

- Plan & execute preventive maintain program
- Maintain and improved your line performance by skilled Ersey team
- Increase productivity
- Reduce stoppages, downtime



# ERSEY PREVENTIVE MAINTENANCE AND ADDITIONAL SERVICES

## Services Options

- 24/7 hotline assistance
- 24/7 spare parts delivery on-time
- Remote access
- Effective maintenance by skilled site team
- Technical visits
- Training
- Emergency troubleshooting

## Technical Visits

- Visits to check up the machines and define the maintenance parts
- Maintenance support scheduled according to the diagnostic result
- Maintain and operate equipments by skilled team.
- Minimize maintenance costs
- Shorter repair time and faster time-to-market







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

# PRODUCT PORTFOLIO EQUIPMENT

# Blowing ERSEY PRODUCT PORTFOLIO

Rotary 0.2 - 2 lt

Rotary 5 - 10 lt

Rotary 12 - 19 lt

Linear 0.2 - 2 lt

Linear 5 - 10 lt

Linear 12 - 19 lt



# Design BLOW MOLDS

## Description

Design creation  
Blow molds  
Get qualified bottle

### Type

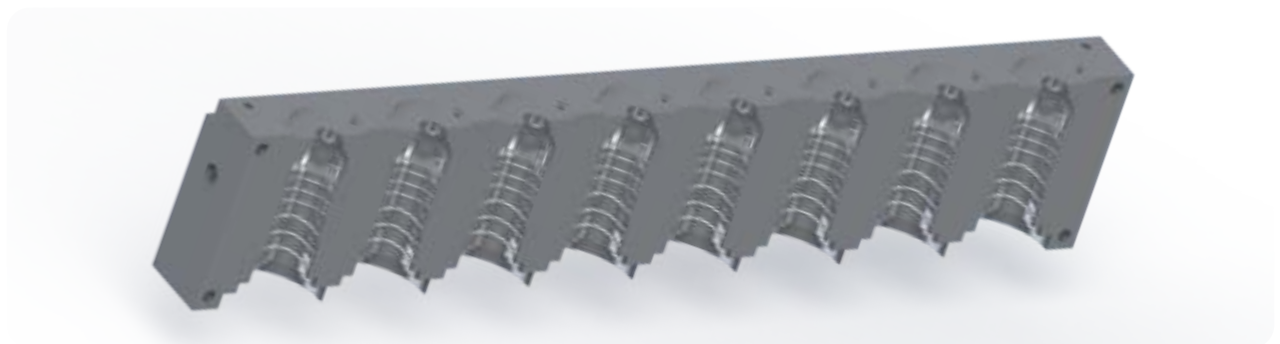
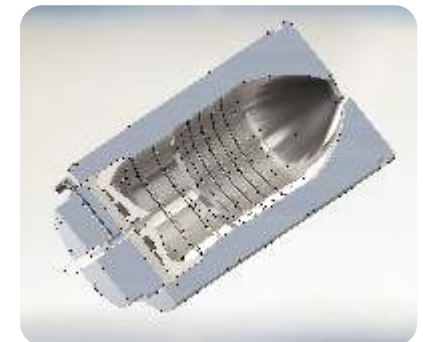
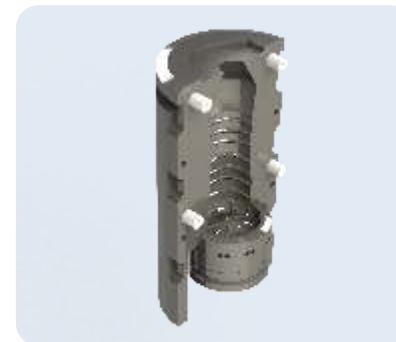
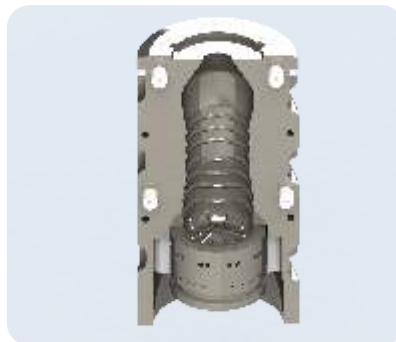
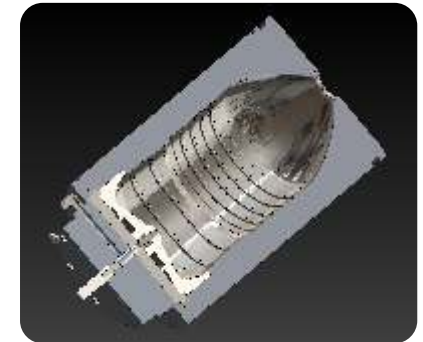
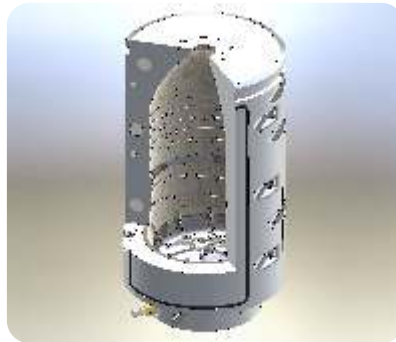
- Plastic bottle design - PET
- Stretch blow molds in aluminum and stainless steel
- Personalization parts

### Containers

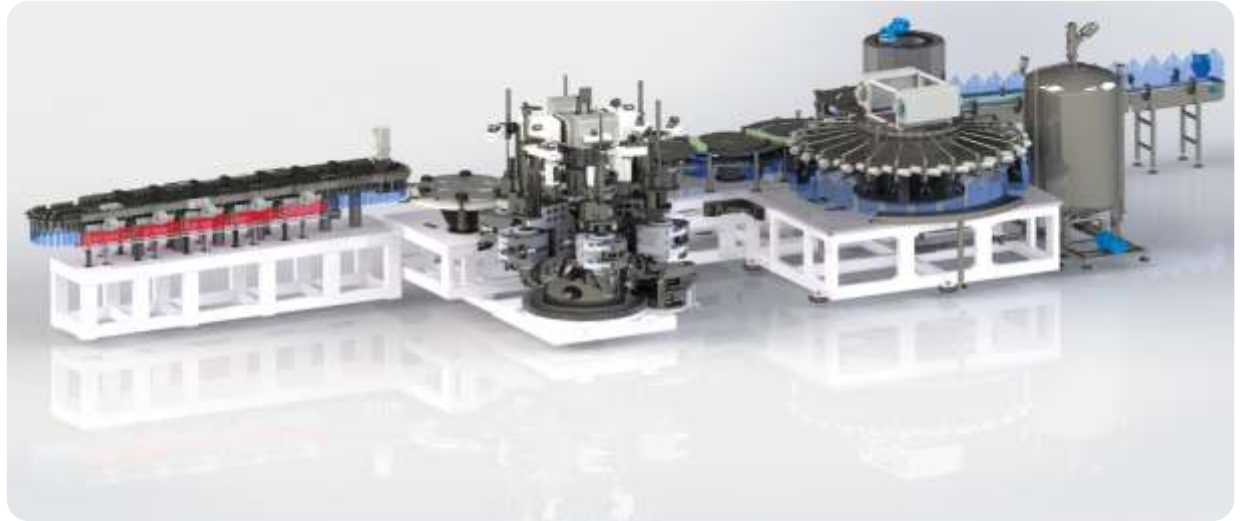
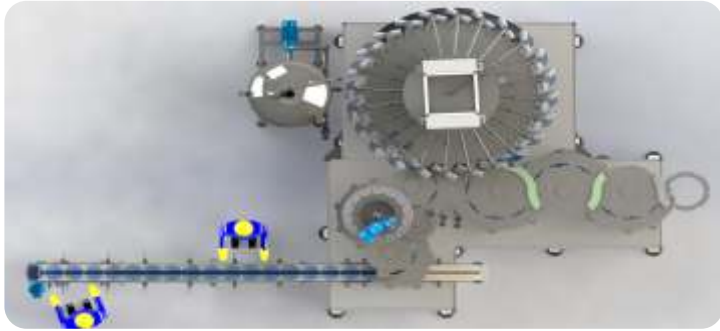
Sizes from **0.2 L up to 19 L**

### Range

- Bottle engineering - Light weighting
- Stretch blow molds (Rotary & Linear range)
- Mold options - Etching - Engraving



# Blowing ERSEY PRODUCT PORTFOLIO



# Blowing

## Rotary Bloc Range for 0.2 lt - 2 lt / 3 lt - 10 lt / 12 lt - 19 lt

Machine and maximum output in bottles per hour / cavities / bottle lt

0,2 lt up to 2 lt

ER-mira BLC 21

45.000 bph/20/0.5 lt

ER-mira BLC 14

28.000 bph/14/0.5 lt

ER-mira BLC 8

16.000 bph/8/0.5 lt

ER-mira BLC 6

12.000 bph/8/0.5 lt



3 lt up to 10 lt

BLC 6-24F-6

7.200 bph/6/5 lt

BLC 4-15F-6

5.500 bph/4/5 lt



12 lt up to 19 lt

BLC 4-16F-4

3.000 bph/4/19 lt

BLC 2-8F-2

1.750 bph/2/19 lt





# Rotary Blow molding machines

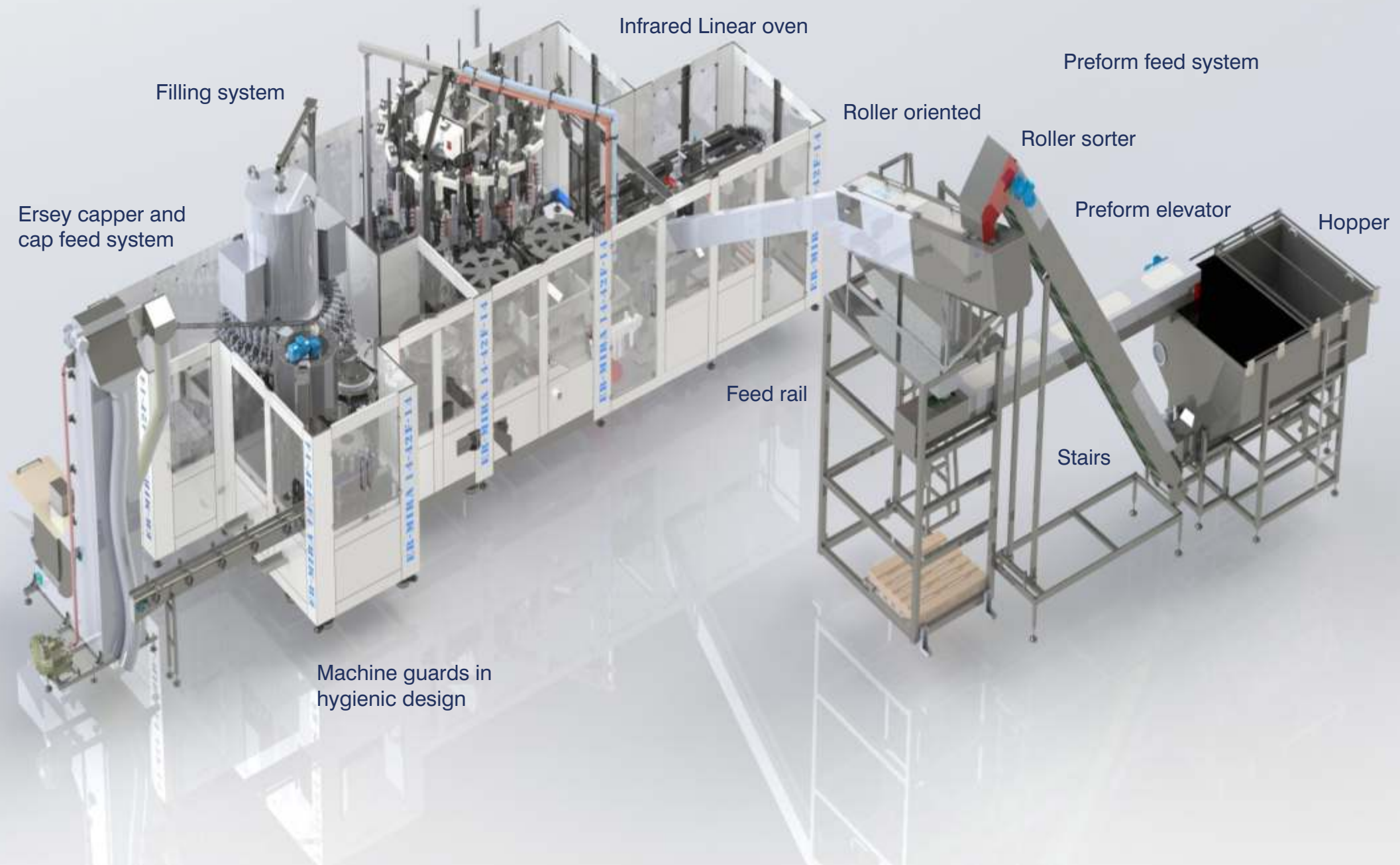
## 0.2 lt - 2 lt

Spec / Model	6 cavity	8cavity	14 cavity	21 cavity
Speed @ 0.5lt	12.000 bph	16.000 bph	28.000 bph	45.000 bph
Speed as per cavity	2000	2000	2000	2000
Bottle range	200 up to 2000 mlt	200 up to 2000 mlt	200 up to 2000 mlt	200 up to 2000 mlt
Material Type	PET	PET	PET	PET
Shape	Round (available for: Square/Oval)	Round (available for: Square/Oval)	Round (available for: Square/Oval)	Round (available for: Square/Oval)
Power /Consumption	250 kw / 60 kw	305 kw / 83 kw	336 kw / 90 kw	500 kw / 160 kw
Chiller	90.000 kcal 5-7°C	100.000 kcal 5-7°C	120.000 kcal 5-7°C	160.000 kcal 5-7°C
High Pressure	12 m3/m 30 bar	18 m3/m 30 bar	23 m3/m 30 bar	33 m3/m 30 bar
Neck Type	29/28- 30/25 PCO 1881-1810 Oil 29/21 -34/27-35/27 33 -38	29/28- 30/25 PCO 1881-1810 Oil 29/21 -34/27-35/27 33 -38	29/28- 30/25 PCO 1881-1810 Oil 29/21 -34/27-35/27 33 -38	29/28- 30/25 PCO 1881-1810 Oil 29/21 -34/27-35/27 33 -38

# Rotary Blow molding machines for 5 lt - 10 lt & 12 lt - 19 lt

Spec / Model	5 – 10 lt		12 – 19 lt	
	4 cavity	6 cavity	2 cavity	4 cavity
Speed	5.500 bph	7.200	1.700 bph	3.400 bph
Speed as per cavity	1.200 @ 10 lt 1.375 @ 5 lt	1.200 @ 10 lt 1.375 @ 5 lt	850	850
Bottle range	3 up to 10 lt	3 up to 10 lt	12 up to 19 lt	12 up to 19 lt
Material Type	PET	PET	PET	PET
Shape	Round (available for:Square/Oval)	Round (available for:Square/Oval)	Round (available for:Square/Oval)	Round (available for:Square/Oval)
Power / Consumption	280 kw /70 kw	360 kw /99 kw	240 kw/70 kw	280 kw/90 kw
Chiller	80.000 kcal 5-7°C	120.000 kcal 5-7°C	125.000 kcal 5-7°C	280.000 kcal/h 5-7°C
High Pressure	20 m3 / m 38bar	30 m3 / m 38bar	27 m3 / m 40 bar	62 m3 / m 40 bar
Neck Type	38/33 48/41	38/33 48/41	55 mm 5 Gal	55 mm 5 Gal

# Rotary BLOCK range BLOWING/FILLING/CAPPING BLOCK





# Rotary BLOCK range

## BLOWING/FILLING/CAPPING BLOCK

### Main Features

Rotary stretch blow molding machines - filling - capping  
Available for: still and carbonated products

#### Highly productive

- 2.000 bpm (per mould)
- Reduced mainte; NO Cam system commanding mold unit
- Reduce maintenance operations
- Reduced downtime

#### High process quality and flexibility

- Great heating process
- Wide process window
- Fully PLC controlled
- Fully electric
- Optimized material distribution: light weighting

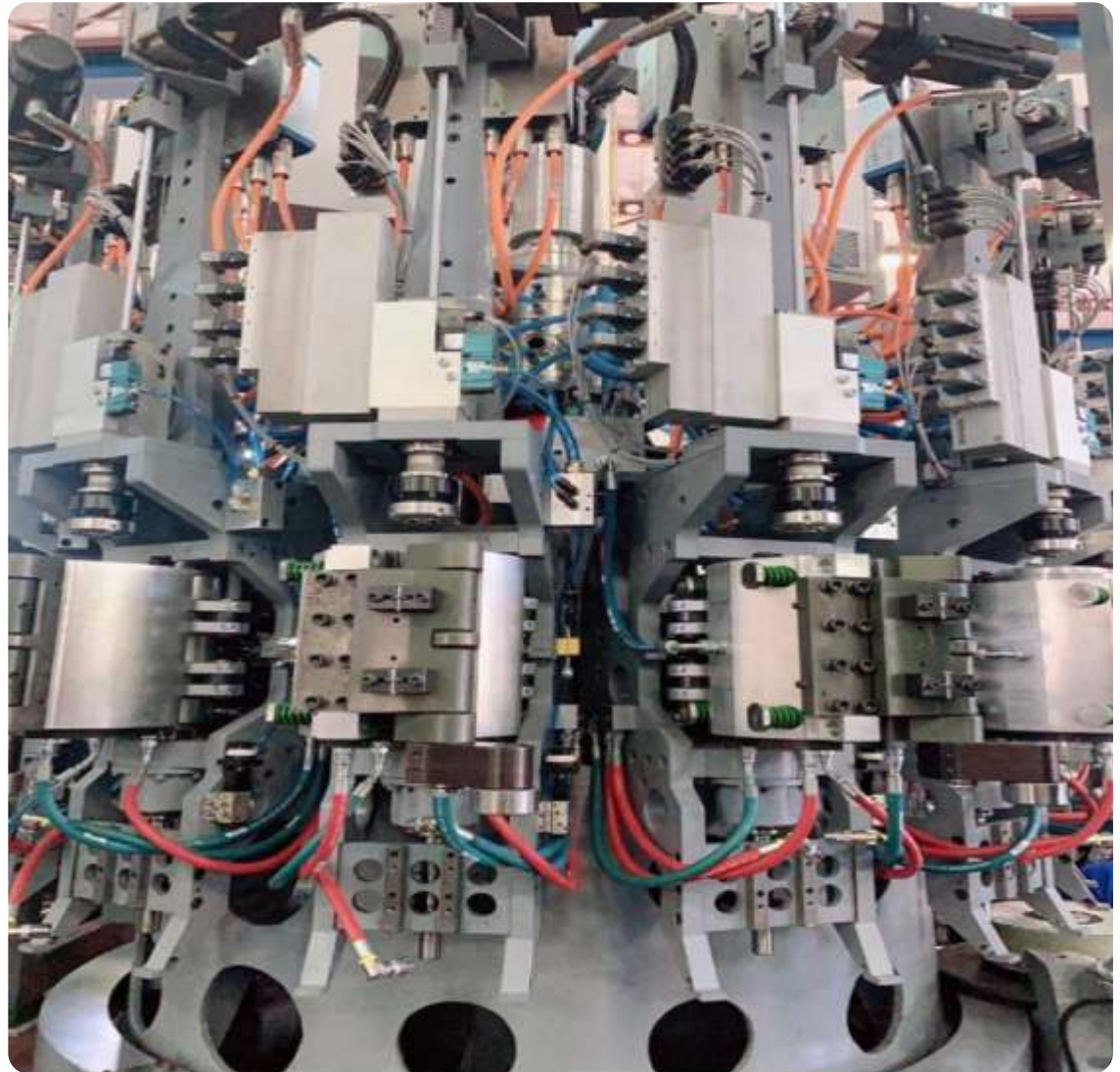
#### Safer production

- Stable and reliable movements
- Sservo-controlled transfer star wheels
- No cam system
- Limited risks of breakage

#### Energy savings

- Less dead volumes
- Air recovery: air recovery integrated in each stretch blow moulder

#### Bottle Quality



# Rotary BLOCK range

## BLOWING/FILLING/CAPPING BLOCK

### System Advantages

- **Patented** opening-closing system for mould carriers controlled by servo
- **Servo controlled** stretching system
- **Auto-locking** system for mould
- quick-locking system for mould carriers
- synchronously closed + lock system
- Fast with no vibration
- Minimum number of transfer points for preforms and bottles
- Aluminium mould carriers
- easy access to the machine from all sides
- servo-controlled drive system
- 100% neck transfers by star wheels
- Fully electronic synchronization between blowing and filling
- Reduced operators 1 position
- Reduced maintenance (part & labor)
- Reduced bottle weight
- Very robust design





# Rotary BLOCK range

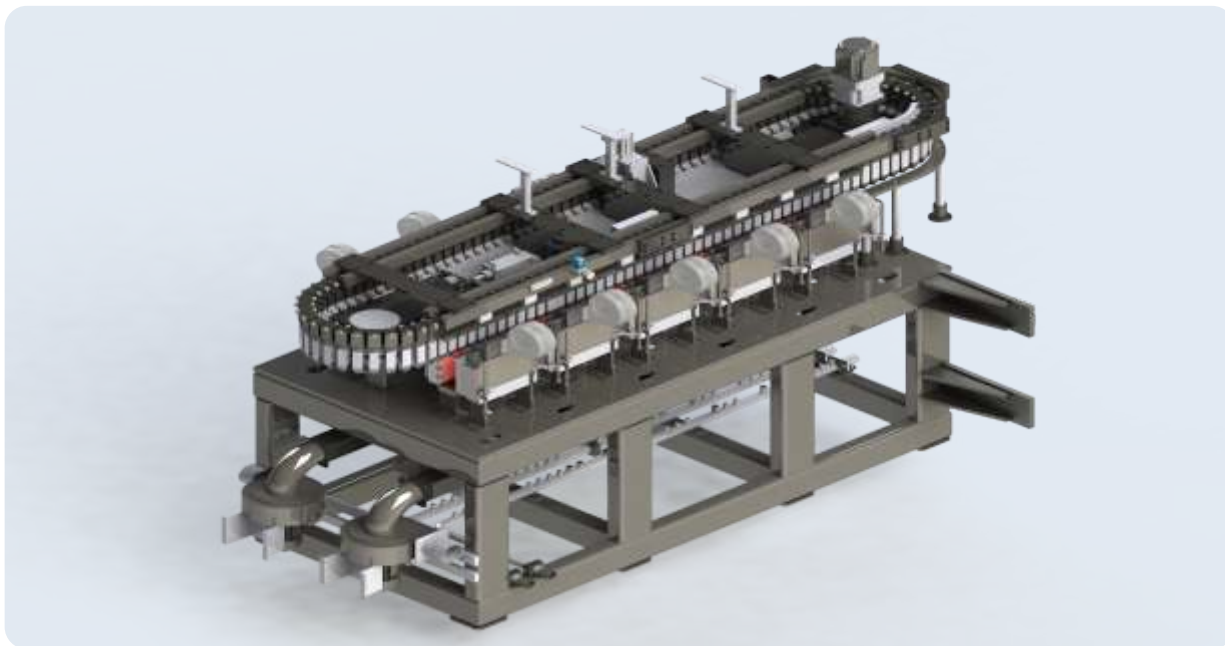
## BLOWING/FILLING/CAPPING BLOCK

### Main Features

- Wide range of speed
- 100% neck transfers by star wheels
- Fully electronic synchronization between blowing and filling
- Reduced operators 1 position
- Optimized efficiency
- Reduced maintenance (part & labour)
- Reduced bottle weight

### Description

- After dedusting, preforms transferred by the neck to oven entrance
- Preforms are heated up to 100°C in the oven
- Linear oven with low energy consumption
- With its rigid and improved impact resistance structure, faster production was achieved.



# Rotary BLOCK range

## BLOWING/FILLING/CAPPING BLOCK

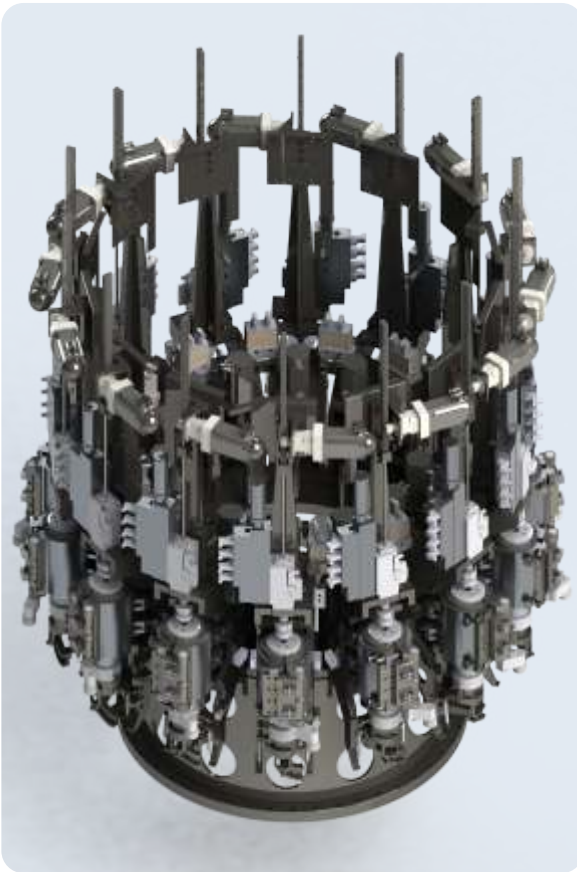
Ersey air valves of Blowing machine

High efficiency

Economic design

**Ersey Capper**

- For plastic screw, sport caps, crown, twist off caps
- High efficiency
- Smooth closures handling
- Equipped with control and reject devices
- Uv lamp
- Filtration for fans
- Several options available



# Blowing

## Linear Machine Range for 0.2 lt - 2 lt / 3 lt - 10 lt / 12 lt - 19 lt

Machine and maximum output in bottles per hour / cavities / bottle lt

0,2 lt up to 2 lt

BLW 13C2 SRV

18.000 bph/13/0.5 lt

BLW 8C2 SRV

12.000 bph/8/0.5 lt

BLW 4C2 SRV

6.000 bph/4/0.5 lt

BLW 2C2 SRV

3.000 bph/2/0.5 lt



3 lt up to 10 lt

BLW 4C10 SRV

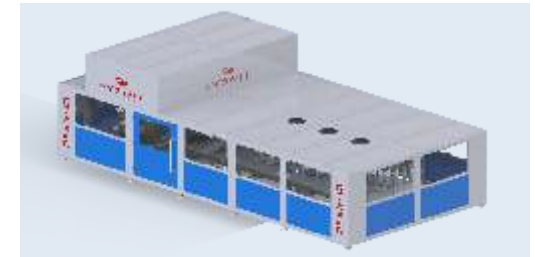
4.000 bph/4/5 lt

BLW 2C10Z SRV

2.500 bph/2/5 lt

BLW 2C10 SRV

2.000 bph/2/5 lt



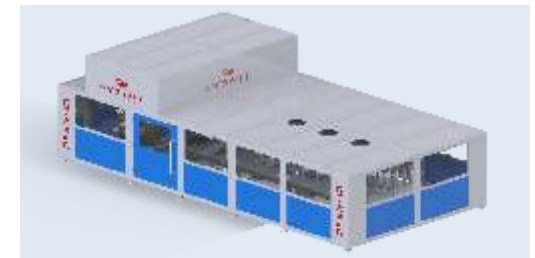
12 lt up to 19 lt

BLW 2C19 SRV

1.200 bph/2/19 lt

BLW 1C19 SRV

600 bph/1/19 lt



# Linear Blow molding machines

## 0.2 lt - 2 lt

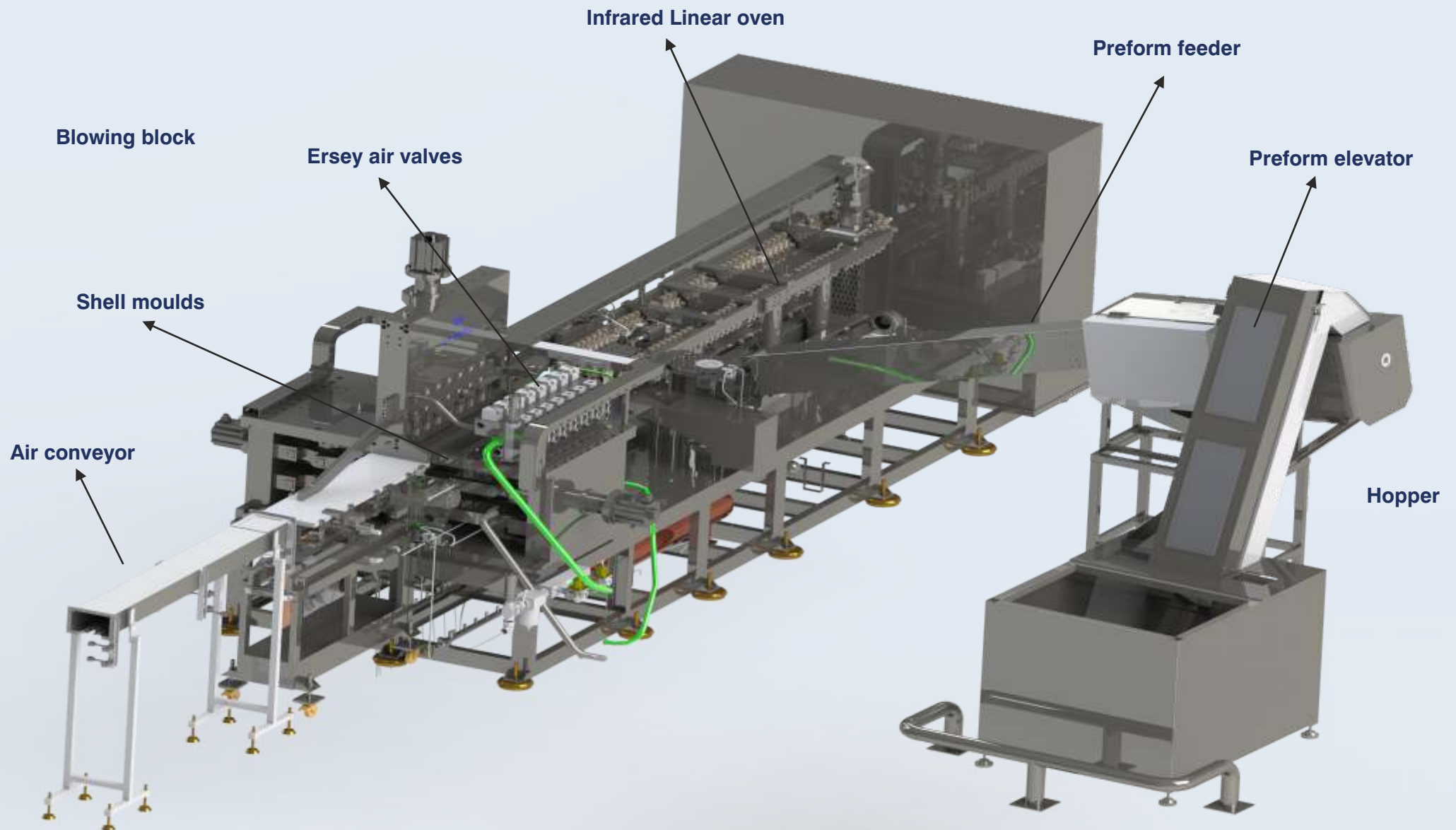
Spec / Model	2 cavity	4cavity	8 cavity	13 cavity
Speed @ 0.5lt	3.000 bph	6.000 bph	12.000 bph	18.000 bph
Bottle range	200 up to 2000 mlt	200 up to 2000 mlt	200 up to 2000 mlt	200 up to 2000 mlt
Material Type	PET	PET	PET	PET
Shape	Round (available for: Square/Oval)	Round (available for: Square/Oval)	Round (available for: Square/Oval)	Round (available for: :Square/Oval)
Power / Consumption	50 kw /11 kw	100 kw /24 kw	160 kw /29 kw	240 kw /90 kw
Chiller	30.000 kcal 5-7°C	30.000 kcal 5-7°C	60.000 kcal 5-7°C	90.000 kcal 5-7°C
High Pressure	3.5 m3/m 38 bar	7 m3/m 38 bar	11 m3/m 38 bar	14 m3/m 38 bar
Neck Type	29/28- 30/25 PCO 1881-1810 Oil 29/21 -34/27-35/27 33 -38	29/28- 30/25 PCO 1881-1810 Oil 29/21 -34/27-35/27 33 -38	29/28- 30/25 PCO 1881-1810 Oil 29/21 -34/27-35/27 33 -38	29/28- 30/25 PCO 1881-1810 Oil 29/21 -34/27-35/27 33 -38

# Linear Blow molding machines for 5 lt - 10 lt & 12 lt - 19 lt

Spec / Model	5 lt – 10 lt			12 lt – 19 lt	
	2 cavity	2 cavity Z	4 cavity	1 cavity	2 cavity
Speed	2000 bph	2.500 bph	4.000 bph	600 bph	1.200 bph
Bottle range	3 up to 10 lt	3 up to 10 lt	3 up to 10 lt	12 up to 19 lt	12 up to 19 lt
Material Type	PET	PET	PET	PET	PET
Shape	Round (available for:Square/Oval)	Round (available for:Square/Oval)	Round (available for:Square/Oval)	Round (available for:Square/Oval)	Round (available for:Square/Oval)
Power/Consumption	130 kw /66 kw	140 kw /45 kw	200 kw /55 kw	180 kw /65 kw	240 kw /70 kw
Chiller	30.000 kcal 5-7°C	30.000 kcal 5-7°C	60.000 kcal 5-7°C	25.000 kcal 5-7°C	60.000 kcal 5-7°C
High Pressure	14 m3 / m 38bar 9 m3 / m 38 bar	14 m3 / m 38bar 9 m3 / m 38 bar	32 m3 / m 38bar 22 m3 / m 38 bar	8 m3 / m 38bar	19 m3 / m 38bar
Neck Type	38/33 48/41	38/33 48/41	38/33 48/41	55 mm 5 Gal	55 mm 5 Gal



# Linear range LINEAR BLOW MOULDING





# Linear range

## LINEAR BLOW MOULDING

### Main Features

Linear stretch blow molding machines

#### Products

- Carbonated drinks
- Still water
- Juice
- Edible oils
- Vinegar

#### Competitive pricing

#### Flexible machine

- Cam system commanding mold unit
- Wide process window
- Precise Heating process
- Quick change
- Easy access
- Wide scope of preforms
- Wide scope of bottle dimension
- Simplicity to use and maintain
- User-friendly



# Fillers

## ERSEY PRODUCT PORTFOLIO

Water

- Mechanical gravity filler
- Flow meter

CSD

- Mechanical isobaric filler
- Electro pneumatic

Juice

- Normal filler
- Hot fill

Edible Oils

- Loadcell

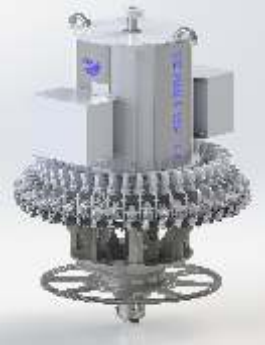


Household

- Volumetric

# Filler : WATER

## RINSING - FILLING - CAPPING

Machine and maximum output in bottles per hour / bottle lt

0,2 lt up to 2 lt	RFC 24 - 24 - 10	18.000 bph/0.5 lt	
	RFC 24 - 24 - 6	12.000 bph/0.5 lt	
	RFC 16 - 16 - 4	8.000 bph/0.5 lt	
	RFC 8 - 8 - 4	4.000 bph/0.5 lt	
3 lt up to 10 lt	RFC 12 - 16 - 4	4.000 bph/5 lt	
	RFC 8 - 8 - 4	2.200 bph/5 lt	
12 lt up to 19 lt	RFC 5 - 1	1.200 bph/19 lt	
	RFC 3 - 1	750 bph/19 lt	

# Fillers

## Fillers : WATER

### Main Features

**Type** Mechanical gravity level filler

**Products** Still water

**Containers** PET

**Hygienic** Separate air return

**Less maintenance**

**More productive**

- Quick format changeovers (with same neck diameter)
- Accurate filling level
- Simplicity in operation and maintenance and reliability.
- HEPA filters for air treatment inside the filling area



### Main Features

**Type** Electronic gravity filler **with flow Meters**

**Products** Still

**Containers** PET

**Hygiene**

- Avoids any contact between the bottle and the filling nozzle
- Avoids the return of product to the filling tank
- Automatic CIP cups available

**More productive**

- High accuracy
- Fully PLC controlled
- Automatic volume / headspace adjustment
- Easy operation and accurate at the same time
- HEPA filters for air treatment inside the filling area





# Filler : CSD

## RINSING - FILLING - CAPPING FOR

Machine and maximum output in bottles per hour / cavities / bottle lt

### CSD R Bloc

BLOCK 14 - 50 - 10

22.000 bph/0.5 lt

BLOCK 8 - 44 - 8

14.000 bph/0.5 lt



### Rinsing Filling Capping

RFC 36 - 50 - 10

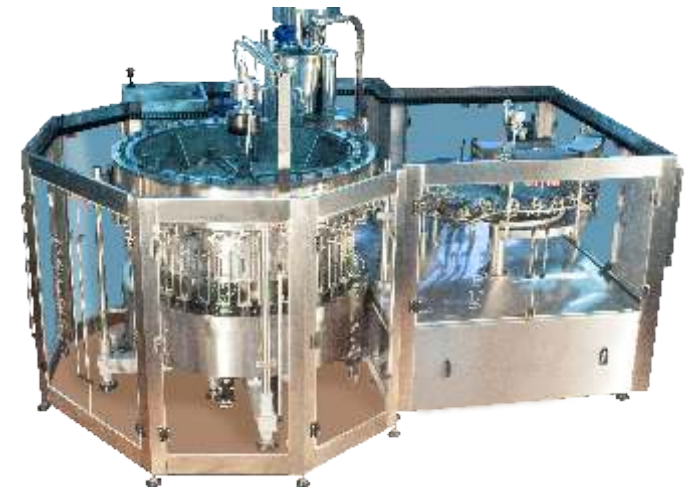
16.000 bph/0.5 lt

RFC 24 - 36 - 8

12.000 bph/0.5 lt

RFC 16 - 24 - 6

6.000 bph/0.5 lt



# Fillers

## Fillers : CSD

### Main Features

#### Type

**Electro pneumatic controlled** isobaric filling with flow meter fill level is available

**Products** Carbonated water, CSD

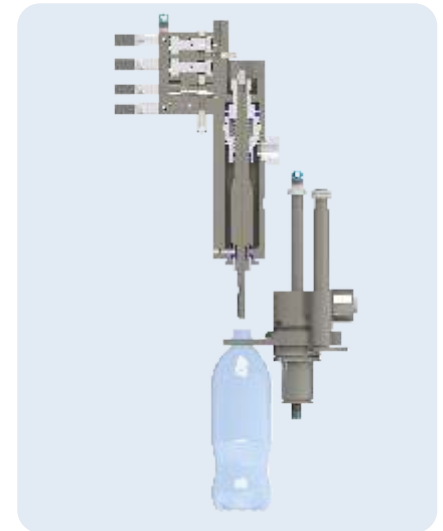
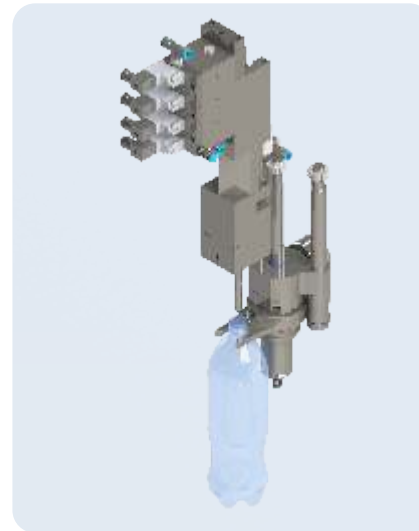
**Containers** PET

#### More productive

- High filling precision
- Fully PLC controlled
- Bloc available

#### More hygienic

- The container and the filling head II be in contact to create pressure in the bottle and equalized the condition of tank pressure
- Faster and efficient gas release
- All the operating phases (filling, gas release, etc.) are run automatically
- Very precise gas release phase
- Reduces the risk of foaming and liquid overflowing
- Maximum control
- Neck handling system
- Easier to change container type



# Fillers

## Fillers : CSD

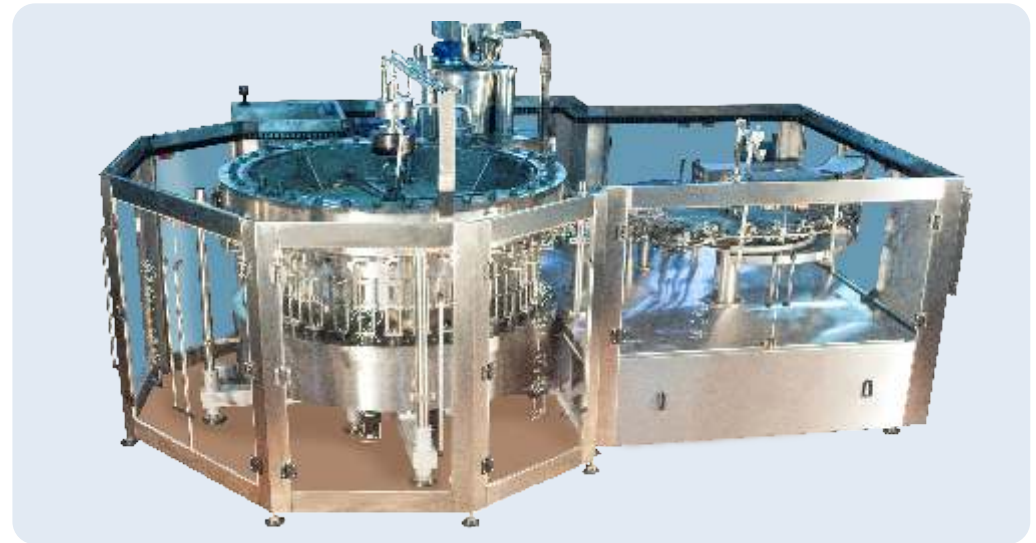
### Main Features

#### Type

**Mechanical counter pressure level filler**  
Mechanic (isobaric)

**Products** Carbonated water, CSD

- Simple construction
- Working pressure is 6 bar
- Mechanically-operated filling valve
- Level control by tube
- Neck handling system for PET bottles
- Quick format changeovers
- Simplicity in operation and maintenance



# Filler : EDIBLE OIL / DETERGENT

## FILLING - CAPPING FOR 0.2 lt - 2 lt containers

Machine and maximum output in bottles per hour / bottle lt

LOADCELL

40 L - 8 Filling-Capping

8.000 bph/1 lt

20 L - 4 Filling-Capping

4.000 bph/1 lt



VOLUMETRIC

40 V - 8 Filling-Capping

10.000 bph/0.5 lt

20 V - 4 Filling-Capping

5.000 bph/0.5 lt





# Fillers

## Fillers : EDIBLE OIL

### Main Features

#### Type

Load cell

#### Products

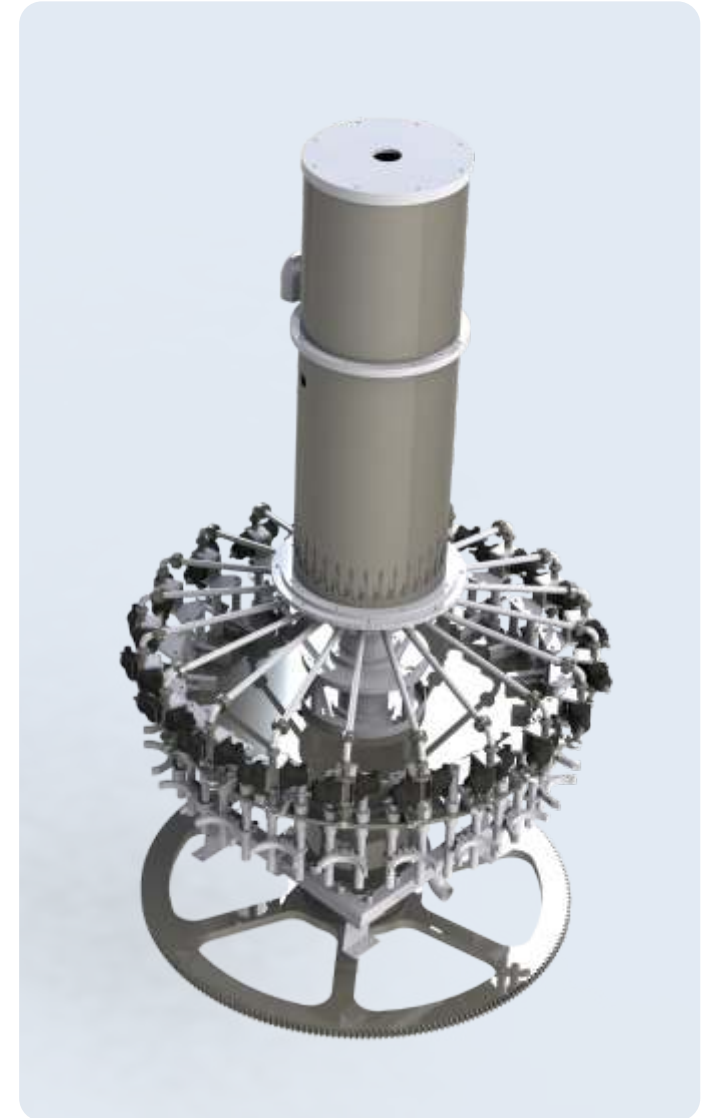
Edible oil

#### High speed filling with reduced foam

- High filling accuracy
- Quick size change
- Compact machine

#### Easy cleaning and less maintenance

- Touchscreen allows you to access all functions of the process
- No manual intervention required



# Filler : JUICE / HOTFILL

## RINSING - FILLING - CAPPING

Machine and maximum output in bottles per hour / bottle lt

### NORMAL

RFC 24 - 24 - 10

20.000 bph/0.5 lt

RFC 24 - 24 - 6

12.000 bph/0.5 lt

RFC 16 - 16 - 4

6.000 bph/0.5 lt

RFC 8 - 8 - 4

3.000 bph/0.5 lt



### HOT FILL

R HFC 36 - 36 - 12

20.000 bph/0.3 lt

R HFC 24 - 24 - 8

12.000 bph/0.3 lt

R HFC

6.000 bph/0.3 lt



# Fillers

## HOTFILL JUICE

### Main Features

#### Type

Mechanical gravity level filler  
(Flow meter is available)

#### Products

Juice

#### Containers

PET / Glass

Hygienic design

Gravity system treat products having a temperature  
(85°- 95° C)

Modulating valve

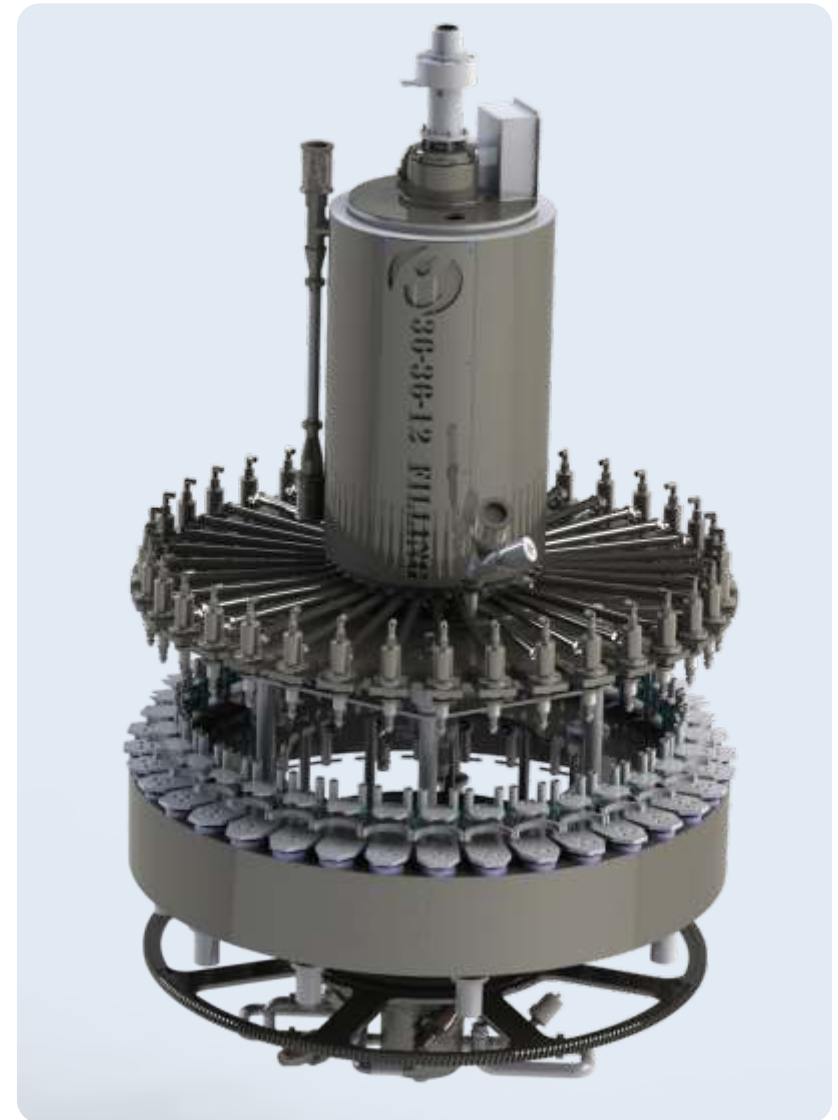
No bottle, No fill

Manual or automatic adjustment of filling level (optional)

#### Less maintenance

#### More productive

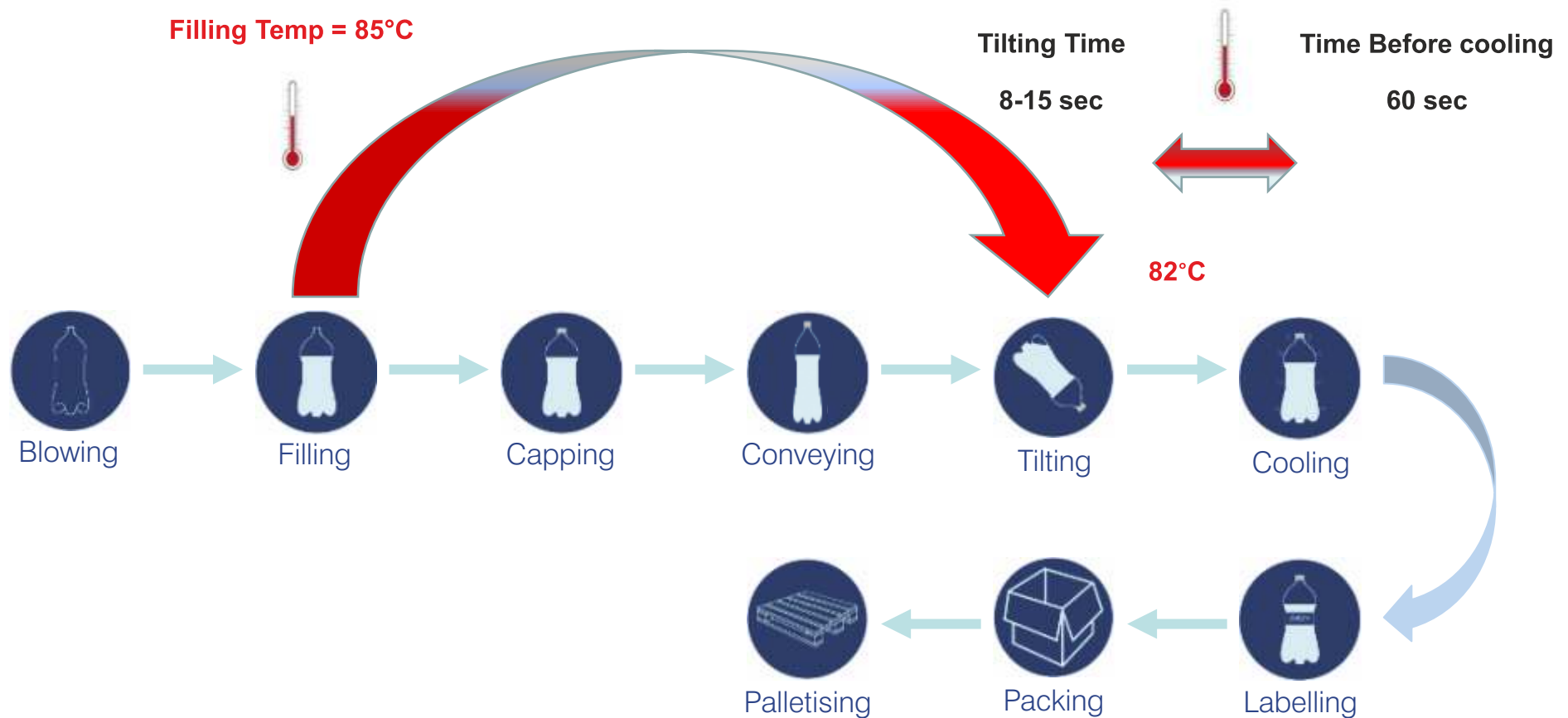
- Quick format changeovers (with same neck diameter)
- Accurate filling level
- Steel construction
- AISI 304 stainless for frame
- Central column
- Infeed and outfeed star wheels
- Movement driven by variable speed gear motor
- Work stations driven by individual motors
- Can be connected to centralized CIP station



# Filler : HOTFILL / JUICE

## RINSING - FILLING - CAPPING FOR 0.2 lt - 2 lt containers

### Process Configuration

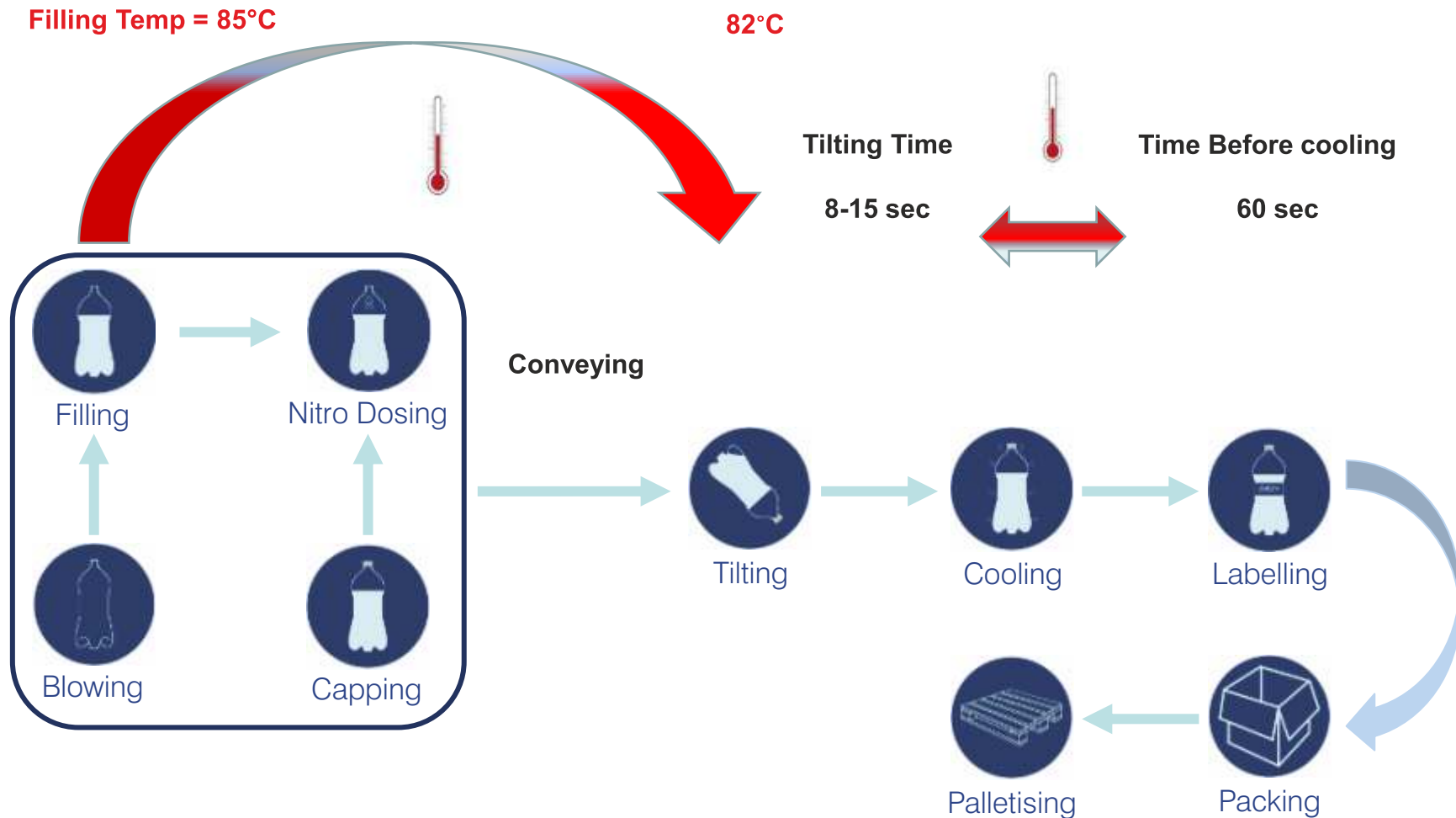




# Filler : NITRO HOTFILL / JUICE

## RINSING - FILLING - CAPPING FOR 0.2 lt - 2 lt containers

### Process Configuration

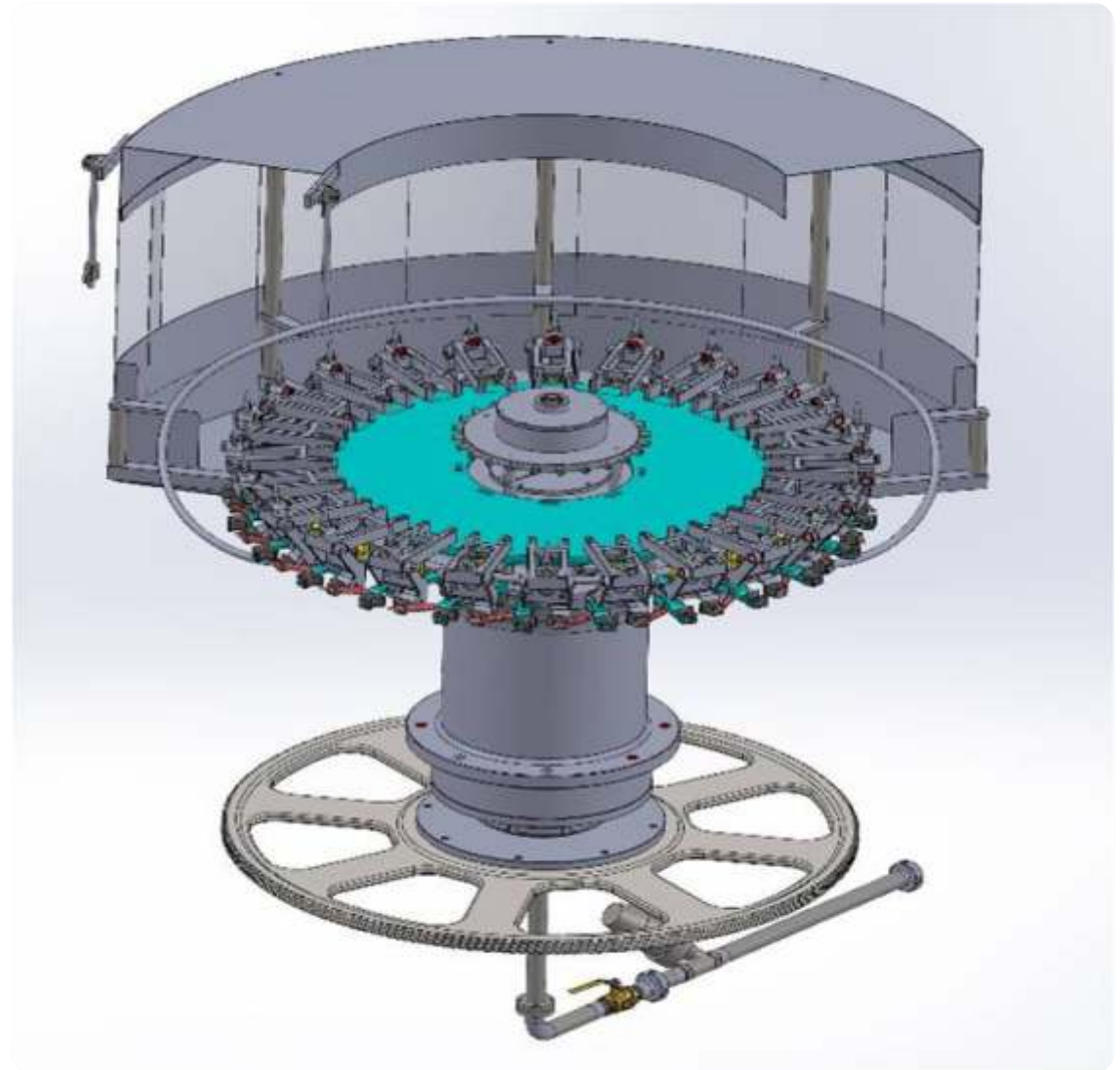


# Rinser

## ERSEY RINSER

### Main Features

- Rotary rinsing ensures perfect cleaning of containers before filling
- Completely automatic and made in different speeds
- Can be treated pet / glass bottles with different speeds
- Rinsing with hot or cold water
- Made entirely of stainless steel
- The gaskets and plastic parts that come into contact with the treatment liquid are made of tested food-grade materials.



# Labeler

## ERSEY PRODUCT PORTFOLIO

Hot melt Rotary OPP 24

Hot melt Rotary OPP 8

Hot melt Linear OPP SOLME

Hot melt Linear OPP OLM

Sticker

# Labelers

## ROTARY & LINEAR OPP MACHINES FOR 0.2 lt - 2 lt / 3 lt - 10 lt

Machine and maximum output in bottles per hour / bottle lt

Rotary 0.2 - 2 lt

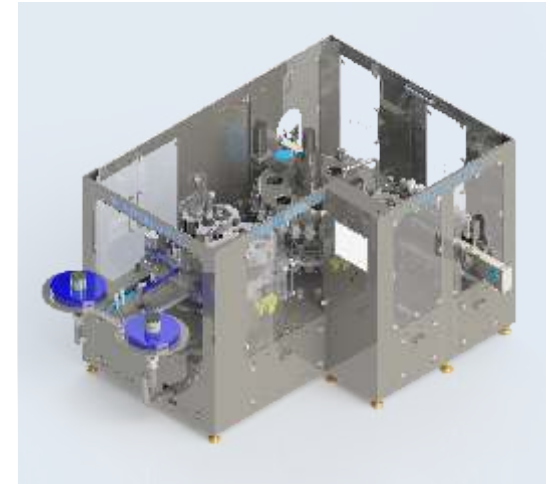
Rotary OPP Matic 24

45.000 bph/0.5 lt

Rotary 3 - 10 lt

Rotary OPP Matic 8

9.000 bph/5 lt



Linear 0.2 - 2 lt

OLM - SRV

20.000 bph/0.5 lt

OLM

15.000 bph/0.5 lt

Linear 3 - 10 lt

Sticker





2.000 bph/5 lt





# Labelers

## ERSEY ROTARY LABELERS - OVERVIEW

Bottle Shape	Products	Container	Type of Labels	Model	labellers
	CSD Water Juices Milk Edible oil Detergent Food	plastic Glass	Wrap-around plastic or paper labels	Rotary Hot Glue	
	Water Milk Edible oil Detergent	plastic Glass	Wrap-around plastic or paper labels	Rotary Hot Glue	

# Labelers

## ROTARY LABELER

### Main Features

#### Type

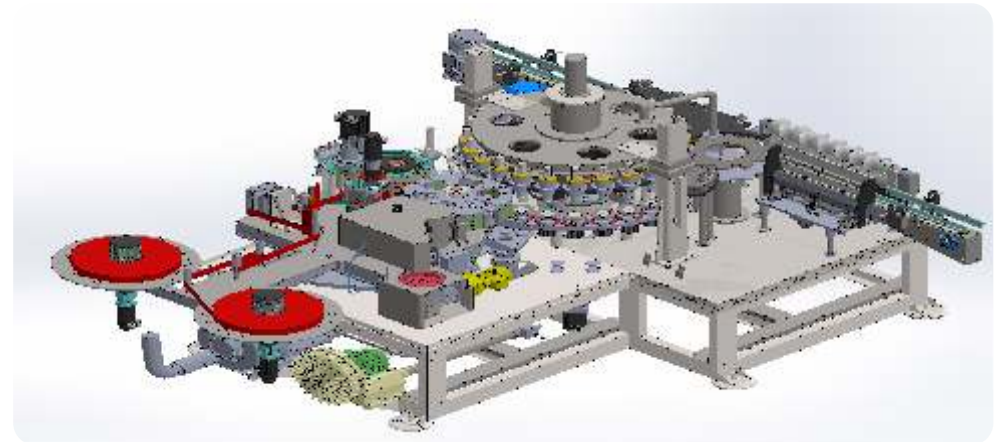
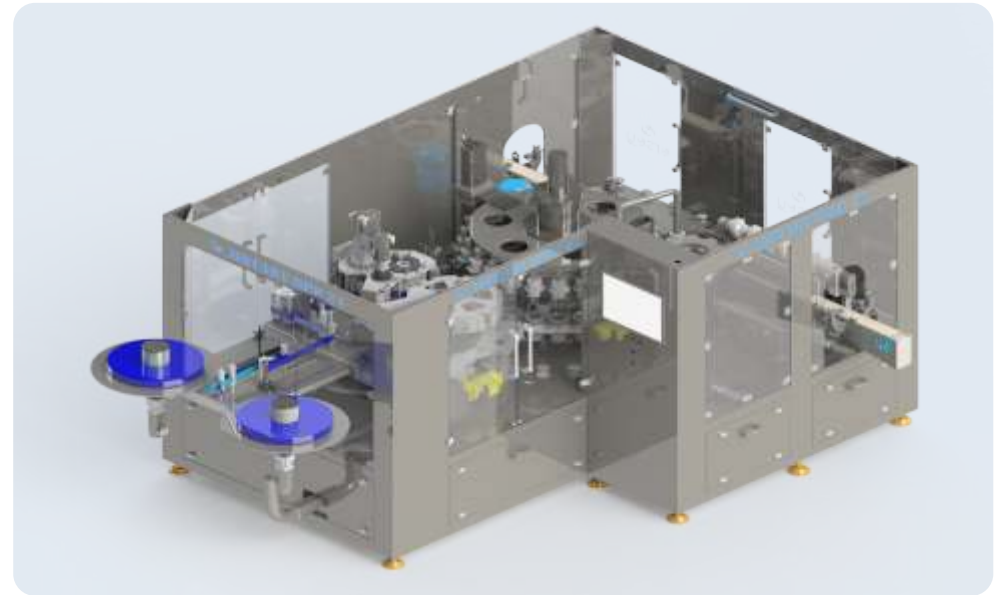
Automatic rotary roll-fed hot glue labeling machine for applying complete wrap-around roll-fed labels to plastic containers

#### Output

40,000 bph

- User friendly and quick format change-over
- Low operational cost
- Rational design
- User friendly and quick format change-over

1. Label reels
2. Stars (servo)
3. Spiral (controlled by servo)
4. Label guider
5. Cutting unit (servo)
6. Vacuum cylinder servo
7. Gluing unit servo
8. Glue bowl

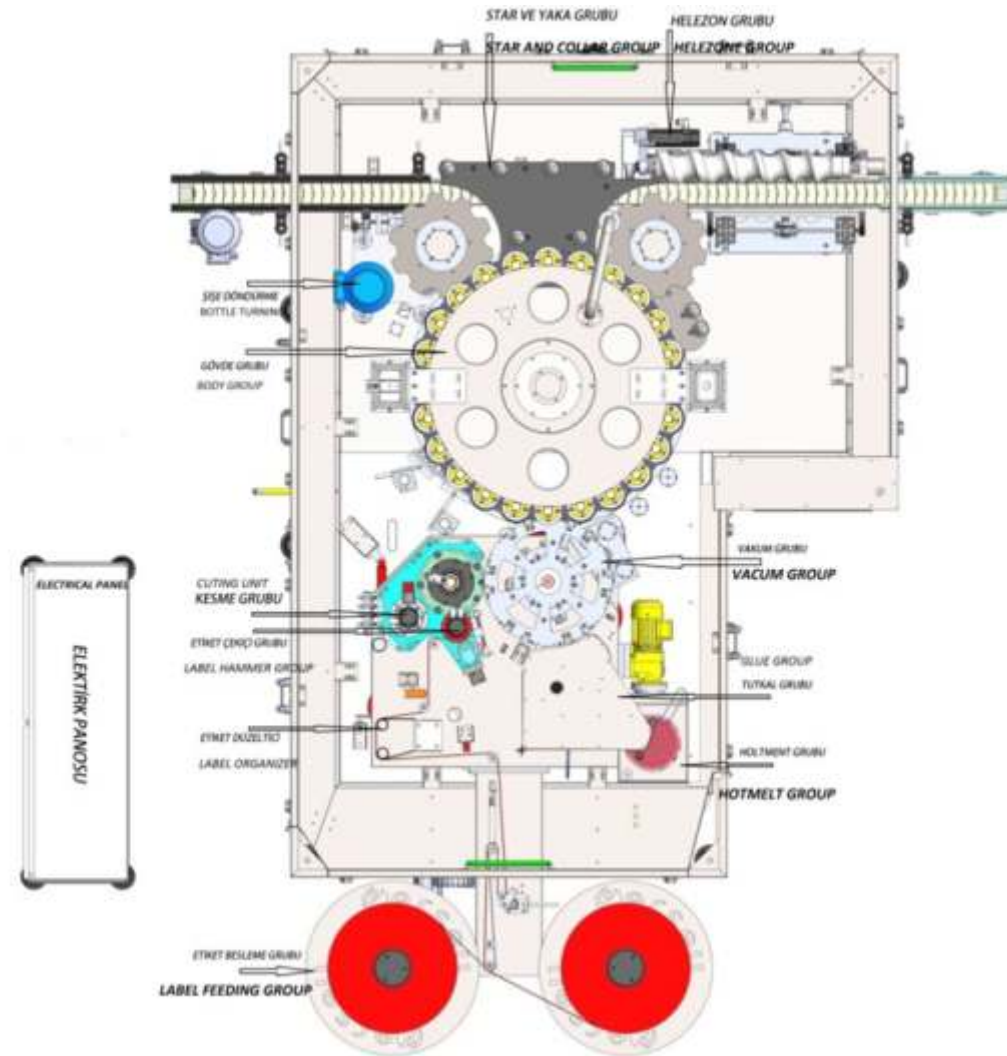


# Labelers

## ROTARY LABELER

### Method of Operation

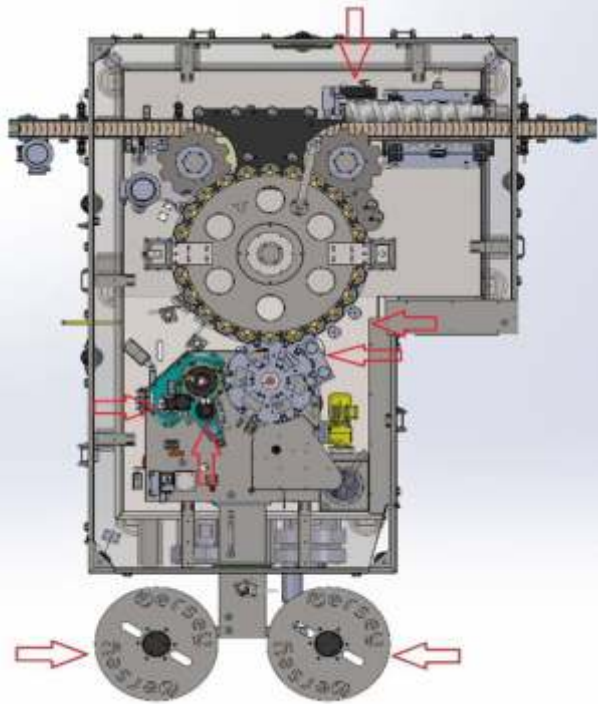
- Precise container positioning unit
- Precise container fixing using centring plates and bells.
- Remote maintenance possible
- A feed roller continually pulls the label film from the reel, and film guider make sure that the label film is pulled straight
- Very precisely cutting unit, cutting unit with servo-controlled drives, which provide an exact cut-off point.
- While container is rotating the label will be applied and fit to the bottles. then glued the edges Controlled glue application with low glue consumption.



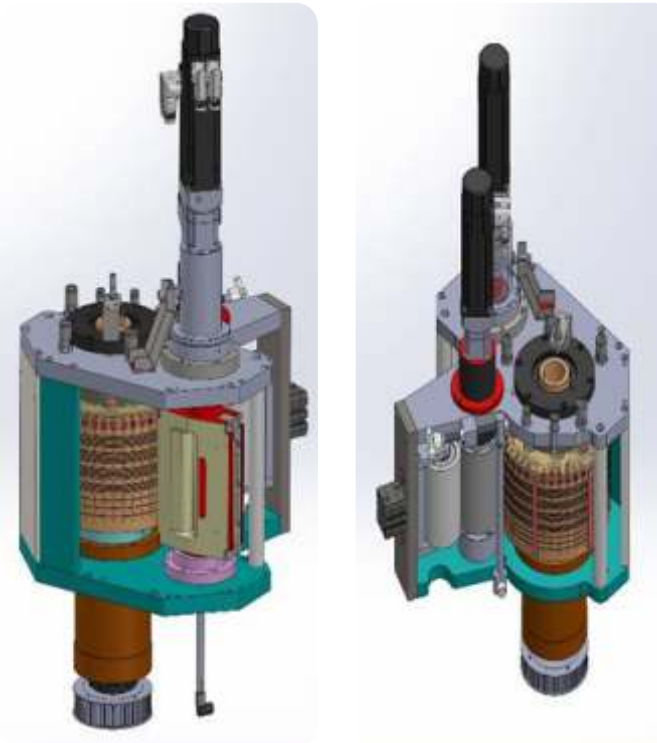
# Labelers

## ROTARY LABELER

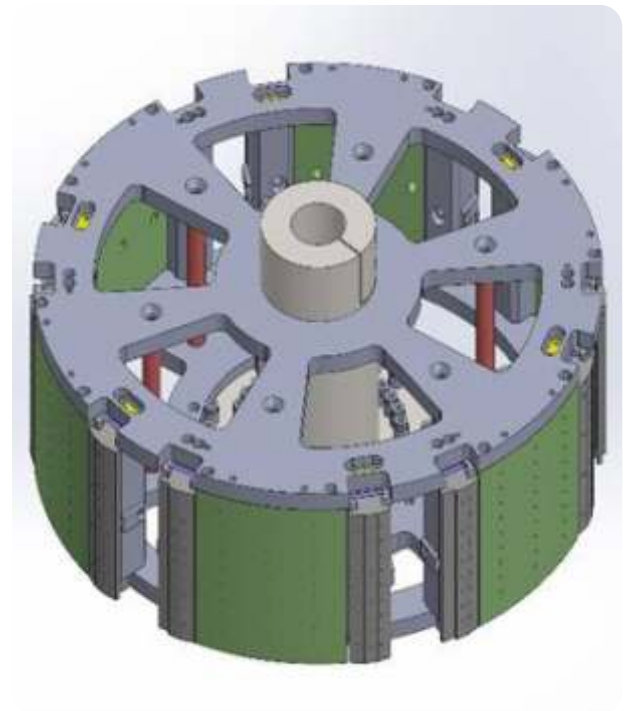
Labelling station has 7 servo motors for different functions



**Cutting Module**  
Dual (2) rotating cutting blade  
Easy adjustment



Labels transfer vacuum drum  
Label control  
Adjustments via HMI  
High Precision and efficiency

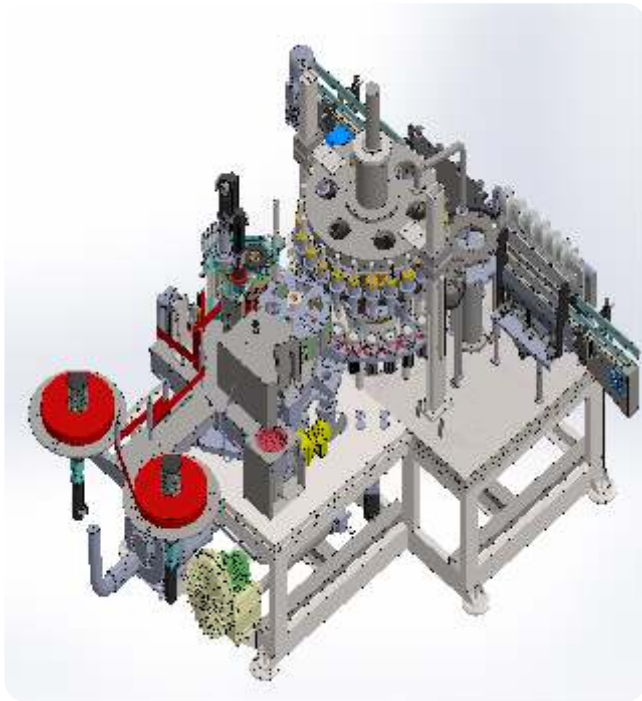




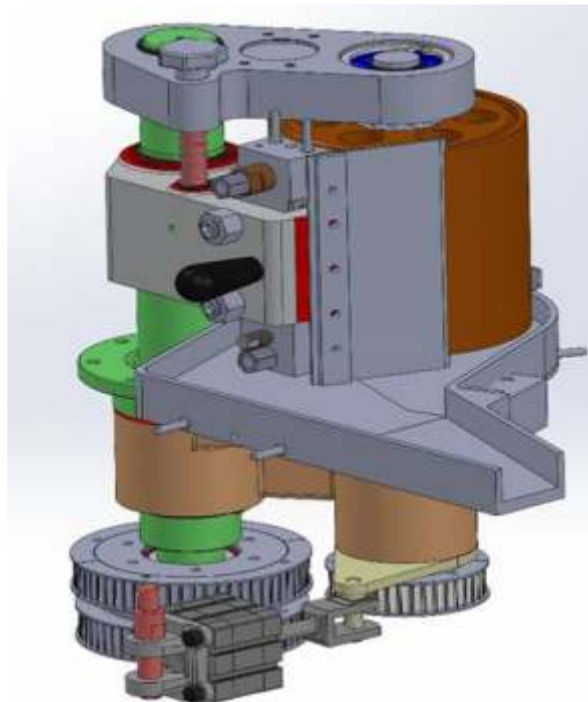
# Labelers

## ROTARY LABELER

Accessibility  
Rotative solutions  
Standard table base



Gluing Module  
Low glue consumption  
Glue tank under the machine table

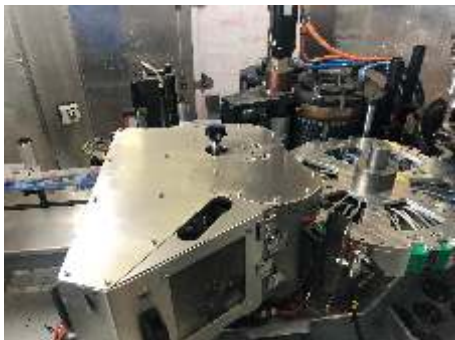


Belt Drive Platform

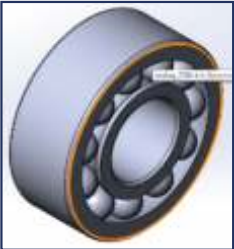


# Labelers

## ROTARY LABELER



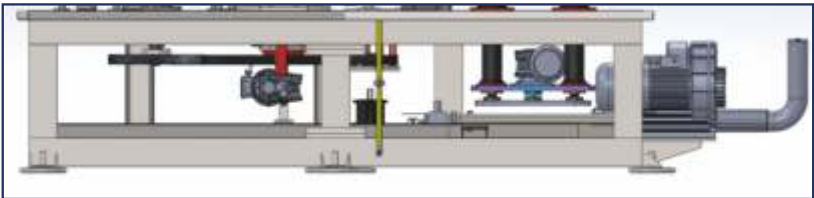
Main Bearing



Gluing pump



Belt Drive



Vacuum drum



# Labelers

## ROTARY LABELER

### Change Over Time

#### Simple and quick bottle change-over

Cutting and label vacuum drum.

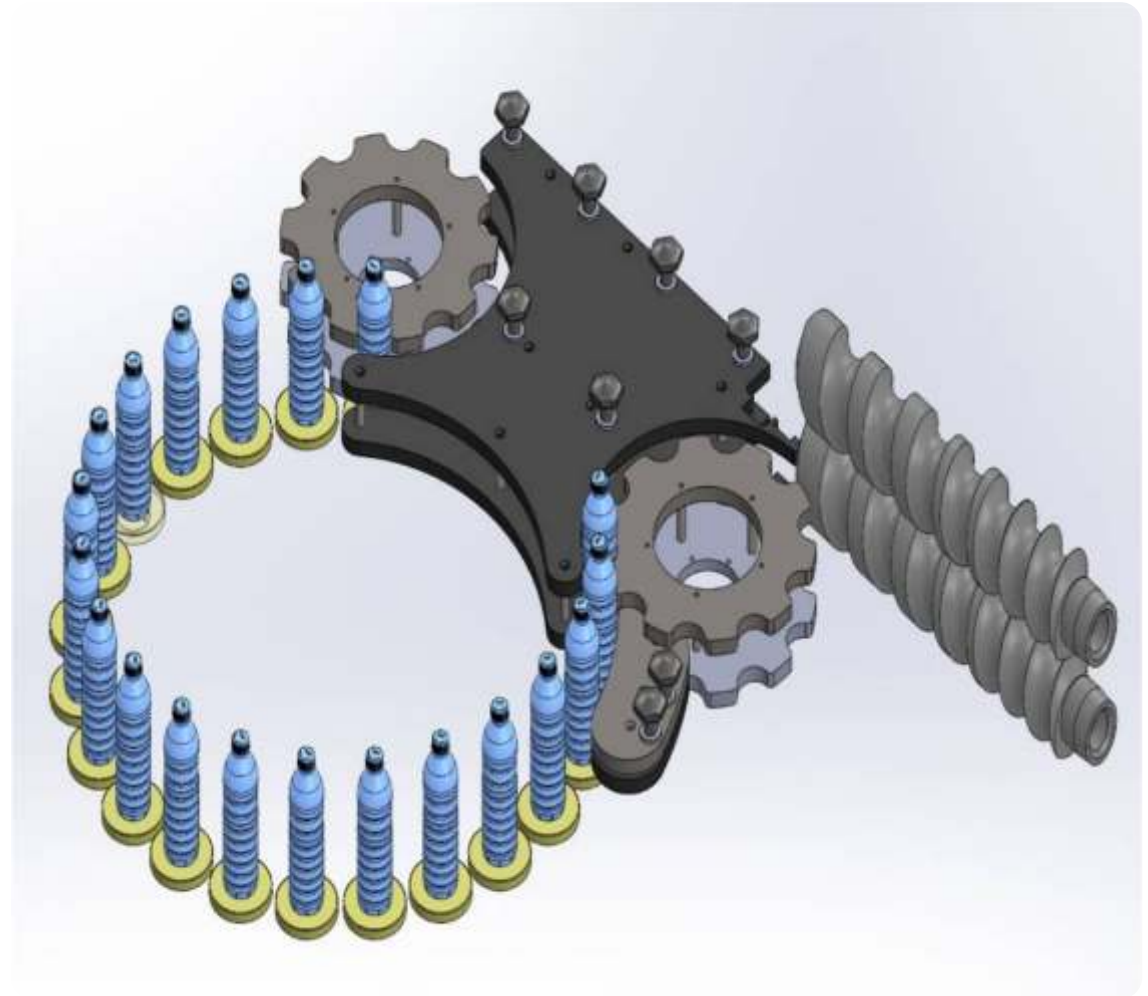
Star wheels

Bottle platforms

**Total time 30 minutes**


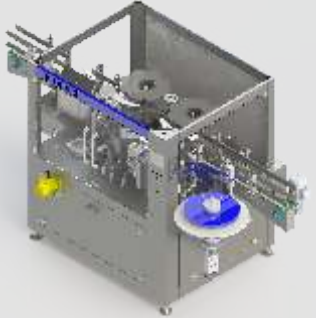


**Adjustment via HMI**

### Change-over components



# Labelers

## ERSEY LINEAR LABELERS - OVERVIEW

Bottle Shape	Products	Container	Type of Labels	Model	labellers
	CSD Water Juices Milk Edible oil Detergent Food	plastic Glass	Wrap-around plastic or paper labels	Linear Hot Glue	
	CSD Water Juices Milk Edible oil Detergent Food	plastic Glass	Wrap-around plastic or paper labels	Linear Hot Glue	



# Labelers

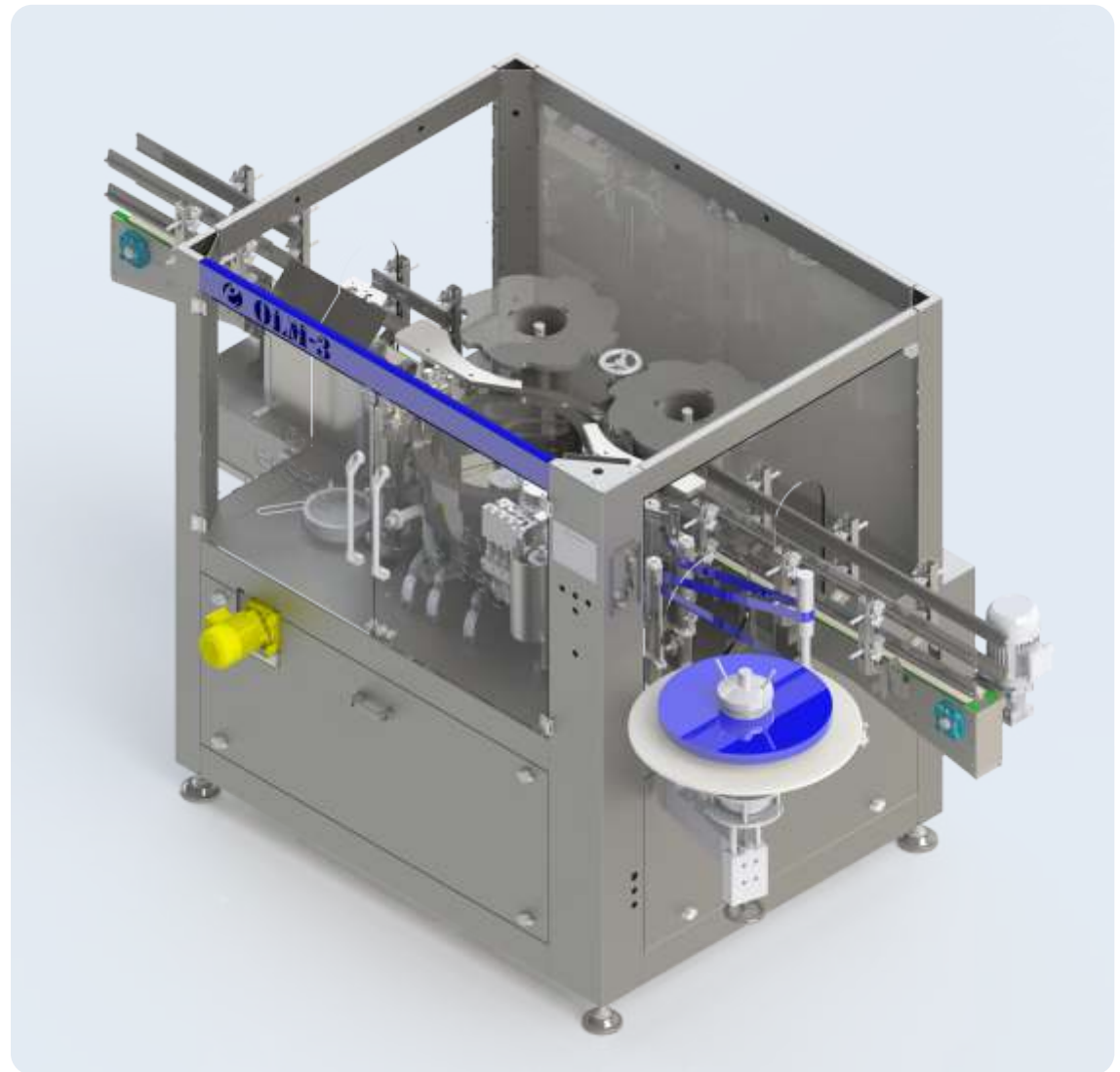
## LINEAR LABELER

### Main Features

#### Type

Automatic Linear roll-fed hot glue labeling machine for applying complete wrap-around roll-fed labels to plastic containers

- Linear design for easier handling
- Compact design enables the operator to control all labelling processes
- Simple change-over and maintenance procedures
- Less adjustment
- Easy settings of the labels transfer drum parameters
- Easy settings of the labels cutting parameters
- Adjustments via HMI
- Roll-stand
- Feed roller
- Cutting module
- Integrated HMI for all operations, including labels registration/cutting
- Transfer vacuum drum
- Hot melt glue application module



# End of Line ERSEY PRODUCT PORTFOLIO

Depalletising

Robotic Palletising

Palletising

Strech Wrapper

Pick & Place Packer



# End line Equipment

## PALLETIZING & DE PALLETIZING

Machine and maximum output in bottles per hour / bottle lt

### Palletising

Cartesian Robotic Palletising

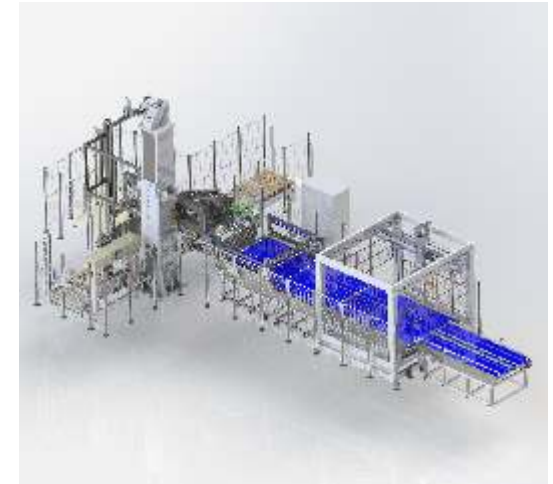
4.000 PPH

Robotic Palletising

2.800 PPH

Standard Palletising

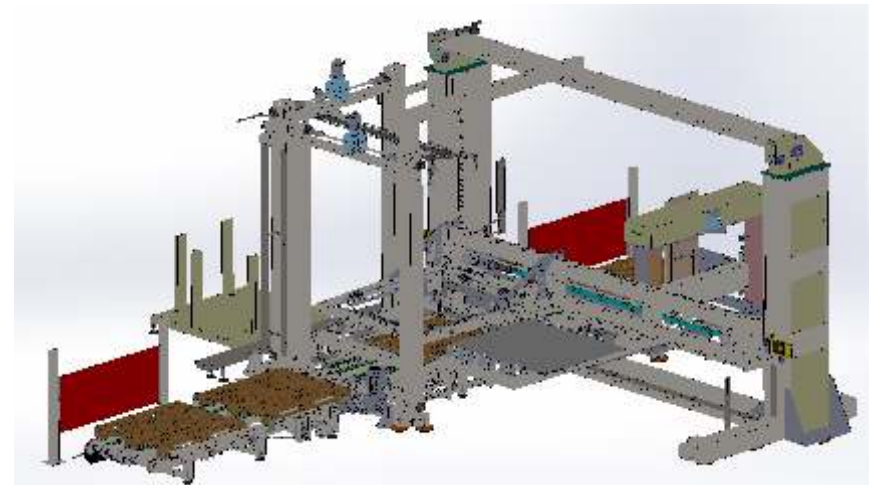
2.000 PPH



### Depalletising

Depalletising DUP 120

36.000 BPH





# End line Equipment

## PALLETISING

### Main Features

- Palletizer for shrink-wrapped, packs, cartons, crates, bottles
- Solid column
- Lifting group
- Entrance of the products is from the bottom
- Vertical handling of the completed layers.
- Empty pallet magazine
- Pallet feeding rolling chain
- Layer pad inserter (Layer separation pads)
- Outfeed conveyor for finished pallet
- Flexibility on the production, products
- Low maintenance
- Easily operating access
- Suitable to satisfy customer needs
- Many possible configurations
- Control cabinet
- Automatic safety lock
- Base frame



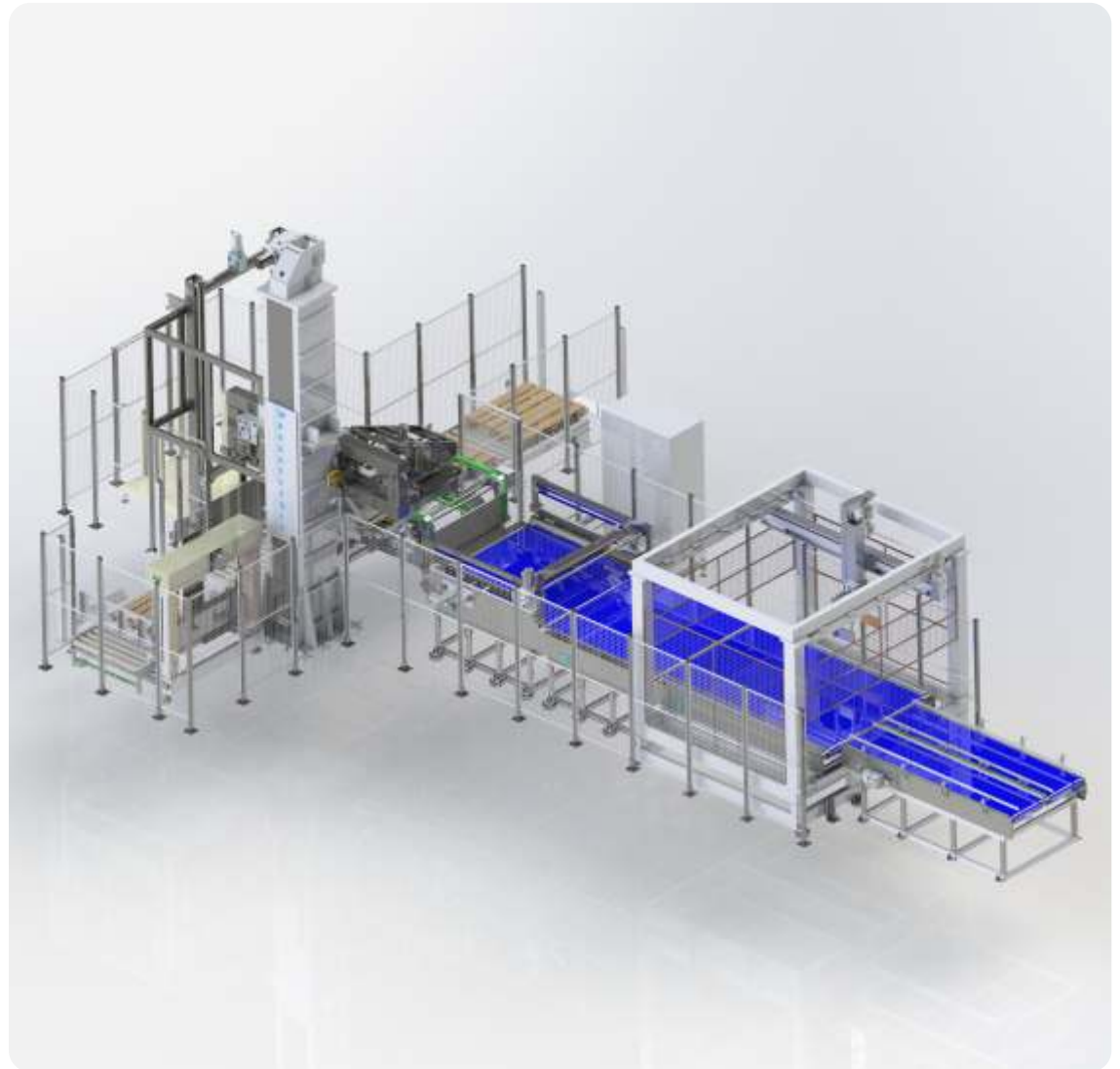


# End line Equipment

## PALLETISING

### Main Features

- Cartesian palletizer with servo-driven high-speed movement
- Grouping of packs in line
- One-lane or multi-lane
- Gripper head for positioning
- The head is adapted to each case
- With 4 axes are controlled by servo motors to increase the speed and efficiency of the process
- Many possible configurations
- Single or double lane Infeed
- Gripper head for picking up the packs
- Servo drives
- Control cabinet
- Automatic safety lock
- Base frame
- High safety standards
- Quick and easy access for cleaning and maintenance
- Easily operating
- Less maintenance and service

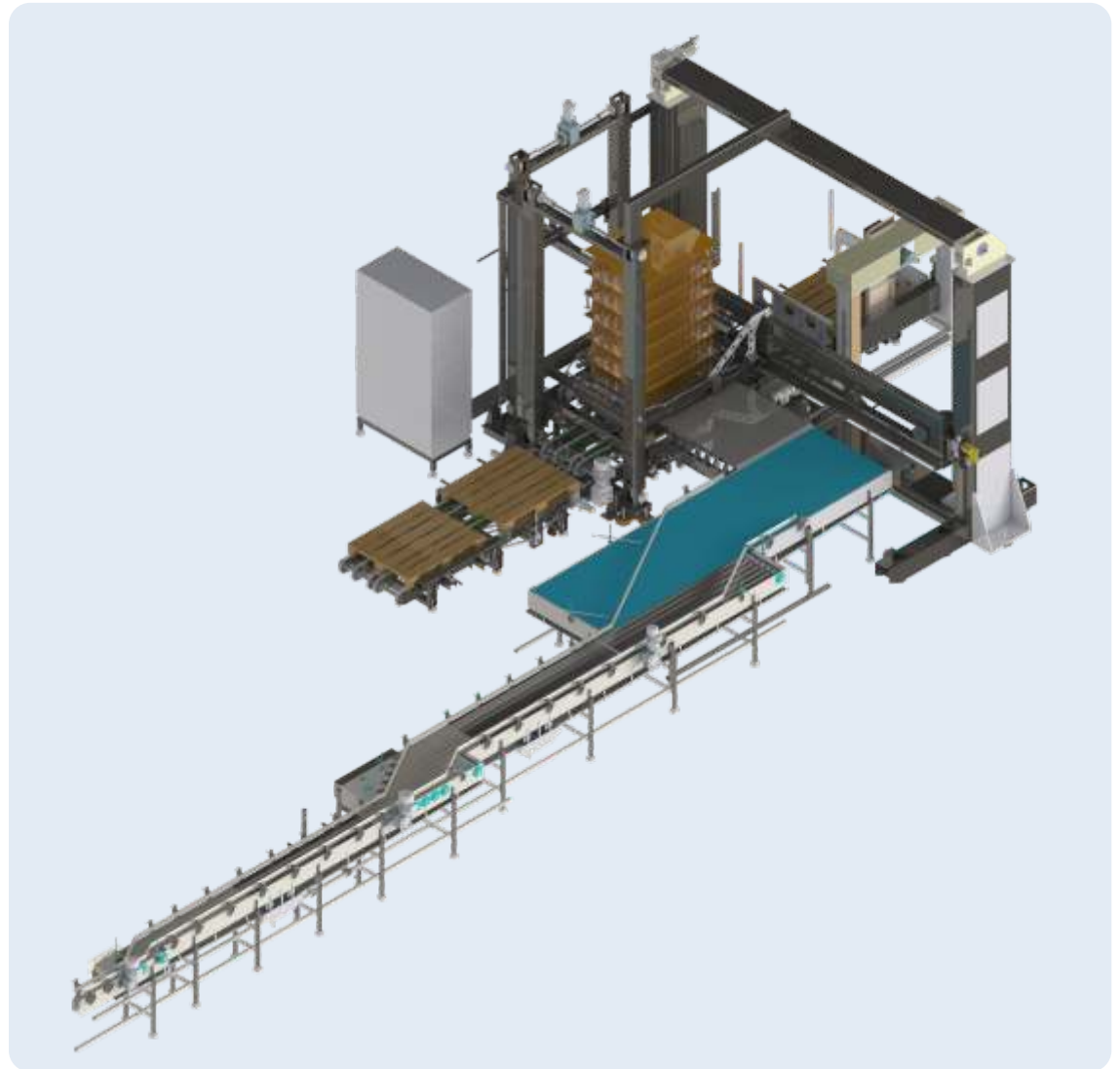


# End line Equipment

## DEPALLETISING

### Main Features

- Depalletise glass bottles, PET bottles, containers, etc.
- Sweep off model
- Simple and reliable design.
- Pallet tower to push container into the machine
- Transfer plate
- Bottles are then transferred to the accumulating table then transferred to the single chain conveyor
- Fully automatic Level Discharge
- Adaptable to the product
- Reliable, robust construction
- Automatic stacker of pads
- Sensors
- Layer pad remover
- Sweep-off station
- Container discharge table
- Transfer plate
- Lifting unit
- Base frame
- Easy maintenance
- Low energy requirement
- Gentle handling of containers
- Servo drive technology
- Driven by servo-controlled motors



# End line Equipment

## STRECH WRAPPER

### Main Features

- High performance rotating arm machine for wrapping pallets with stretch film
- Reliable, robust construction
- Flexibility on the production, products and layout
- Rotating arm pallet wrapper
- Driven rollers electronically controlled
- Photocell detection
- Base frame
- User Interface
- Pallet lifting system
- Stretch finishing, cutting, gluing system
- Quick stretch changing system
- Safety control system
- Safety barriers



# Line Equipment

## ERSEY PRODUCT PORTFOLIO

Premix-sens

Cooling Tunnel

Dryer

Handle Applicator

Check Point

Conveyors



# Line Equipment

## PREMIX (SENS - MIX)

### Main Features

**Type :**

Fully automatic blending and carbonating

**System**

complete system for preparing carbonated soft drinks  
mixing a syrup with deaerated water and then carbonation

**Products :** CSD

**Process phases**

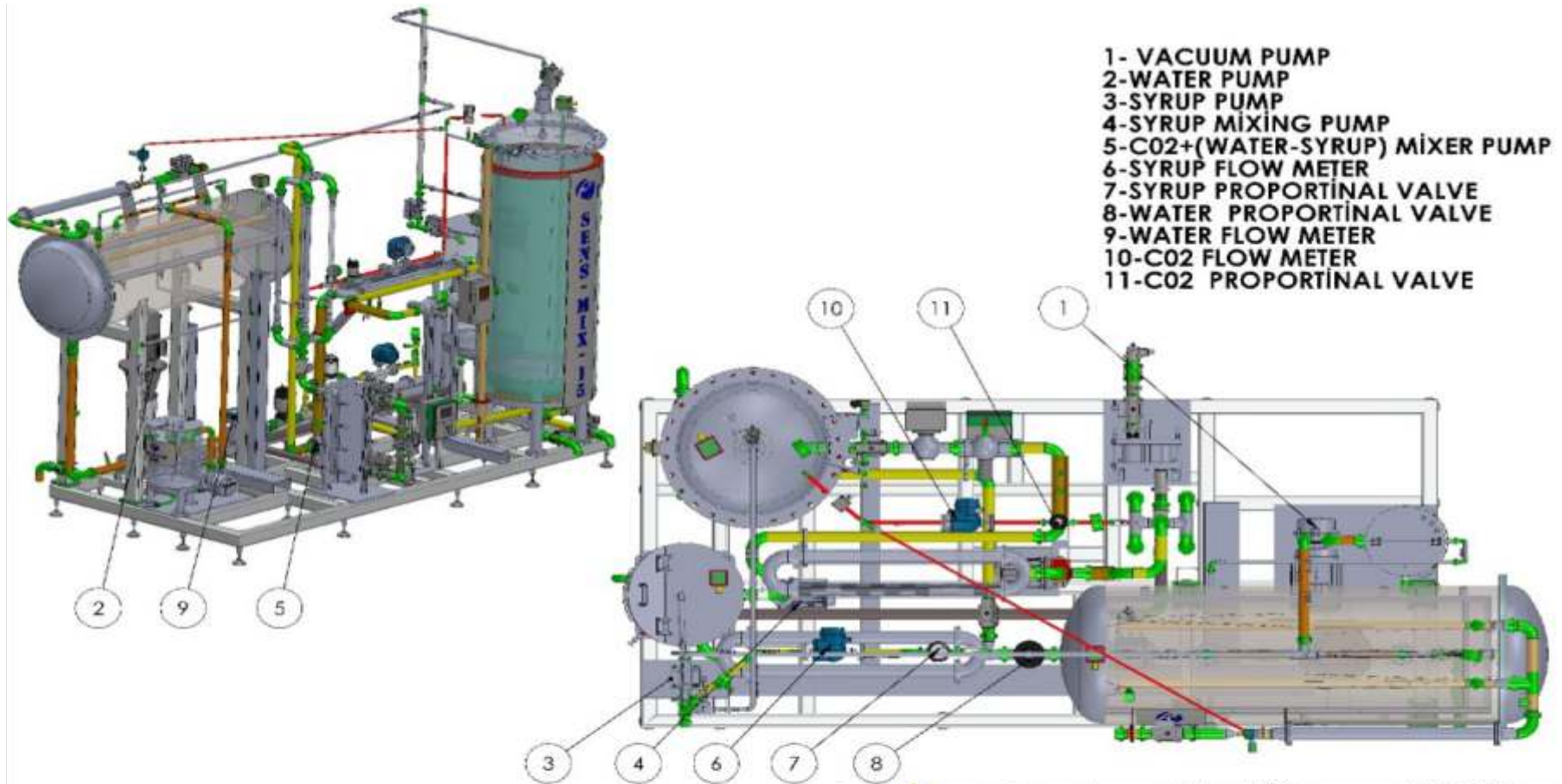
- Water deaeration
- Dosage and mixing of the water & syrup
- Carbonation
- Plc control
- Advanced flow meter technology for mixing and carbonation
- Water deaeration by vacuum pump
- Complete product receipt management
- Correction option of syrup brix function

**Technical Data :**

- Designed for 7, 10 and 15 m<sup>3</sup>/h
- Maximum Brix: 30% (Brix: Syrup or solid solution ratio in the final product)
- Water inlet temp 15 c
- Syrup inlet temp 25 c
- Max carbonation temp 12-15 c
- Co2 content 8.8 – 11 g/l
- Required chiller capacity for carbonation temperature (15 c)



## Line Equipment PREMIX (SENS - MIX)



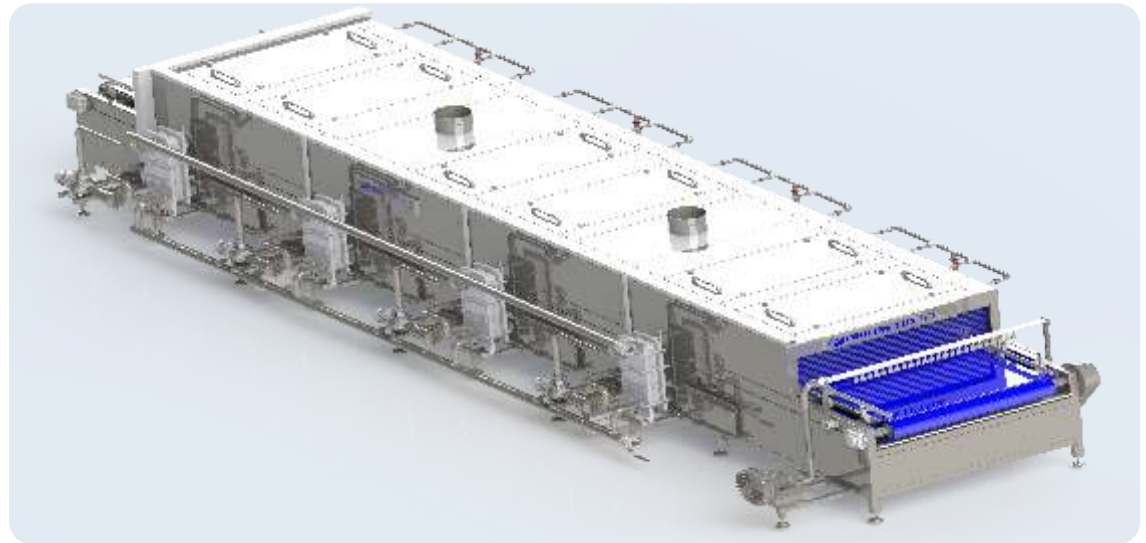
		F	NO 34/34		ARIZEME	HANMADOL OĞUZU																																																																							
		E			JAR YOLU	SARCA OĞUZU																																																																							
		D																																																																											
		C			HAZRE ÇİLEK	MODEL 100																																																																							
		B																																																																											
DIN 7568 / AINCE		A	21 JUN 2020	İŞHATİTİS																																																																									
REV		TARİH	İSİM	AÇIKLAMA	JARÇA SEC																																																																								
<table><tr><td>0001-0100</td><td>0001</td><td>0001</td><td>0001</td><td>0001</td><td>0001</td><td>0001</td></tr><tr><td>0002-0100</td><td>0002</td><td>0002</td><td>0002</td><td>0002</td><td>0002</td><td>0002</td></tr><tr><td>0003-0100</td><td>0003</td><td>0003</td><td>0003</td><td>0003</td><td>0003</td><td>0003</td></tr><tr><td>0004-0100</td><td>0004</td><td>0004</td><td>0004</td><td>0004</td><td>0004</td><td>0004</td></tr><tr><td>0005-0100</td><td>0005</td><td>0005</td><td>0005</td><td>0005</td><td>0005</td><td>0005</td></tr><tr><td>0006-0100</td><td>0006</td><td>0006</td><td>0006</td><td>0006</td><td>0006</td><td>0006</td></tr><tr><td>0007-0100</td><td>0007</td><td>0007</td><td>0007</td><td>0007</td><td>0007</td><td>0007</td></tr><tr><td>0008-0100</td><td>0008</td><td>0008</td><td>0008</td><td>0008</td><td>0008</td><td>0008</td></tr><tr><td>0009-0100</td><td>0009</td><td>0009</td><td>0009</td><td>0009</td><td>0009</td><td>0009</td></tr><tr><td>0010-0100</td><td>0010</td><td>0010</td><td>0010</td><td>0010</td><td>0010</td><td>0010</td></tr></table>		0001-0100	0001	0001	0001	0001	0001	0001	0002-0100	0002	0002	0002	0002	0002	0002	0003-0100	0003	0003	0003	0003	0003	0003	0004-0100	0004	0004	0004	0004	0004	0004	0005-0100	0005	0005	0005	0005	0005	0005	0006-0100	0006	0006	0006	0006	0006	0006	0007-0100	0007	0007	0007	0007	0007	0007	0008-0100	0008	0008	0008	0008	0008	0008	0009-0100	0009	0009	0009	0009	0009	0009	0010-0100	0010	0010	0010	0010	0010	0010	PROFİGİYAL	ÇİĞDEM OĞUZU	21 07 2020	AFS MİT	010120010002	OKUTUR 120
		0001-0100	0001	0001	0001	0001	0001	0001																																																																					
		0002-0100	0002	0002	0002	0002	0002	0002																																																																					
		0003-0100	0003	0003	0003	0003	0003	0003																																																																					
		0004-0100	0004	0004	0004	0004	0004	0004																																																																					
0005-0100	0005	0005	0005	0005	0005	0005																																																																							
0006-0100	0006	0006	0006	0006	0006	0006																																																																							
0007-0100	0007	0007	0007	0007	0007	0007																																																																							
0008-0100	0008	0008	0008	0008	0008	0008																																																																							
0009-0100	0009	0009	0009	0009	0009	0009																																																																							
0010-0100	0010	0010	0010	0010	0010	0010																																																																							
CÜZEN	ÇİĞDEM OĞUZU	21 07 2020																																																																											
YARABİM	ÇİĞDEM OĞUZU	04 11 2018																																																																											
	İSİM	TARİH																																																																											
		İŞHATİTİS					OKUTUR																																																																						
		İŞHATİTİS																																																																											
OKUTURUNUN İŞHATİTİSİ 0,5 - 401		OKUTURUNUN İŞHATİTİSİ 0,5 - 401					OKUTUR 120																																																																						
OKUTURUNUN İŞHATİTİSİ 0,5 - 401		OKUTURUNUN İŞHATİTİSİ 0,5 - 401																																																																											

# Line Equipment

## COOLING TUNNEL & BOTTLE DRYER

### Cooling Tunnel

- Cooling of all products in glass bottles and PET containers
- Blower
- Spraying nozzle system
- Sensors
- Conveyor
- Draining
- Stainless steel pumps ,conveyors and housing
- Stainless steel doors for optimal
- Protection
- Heat exchanger



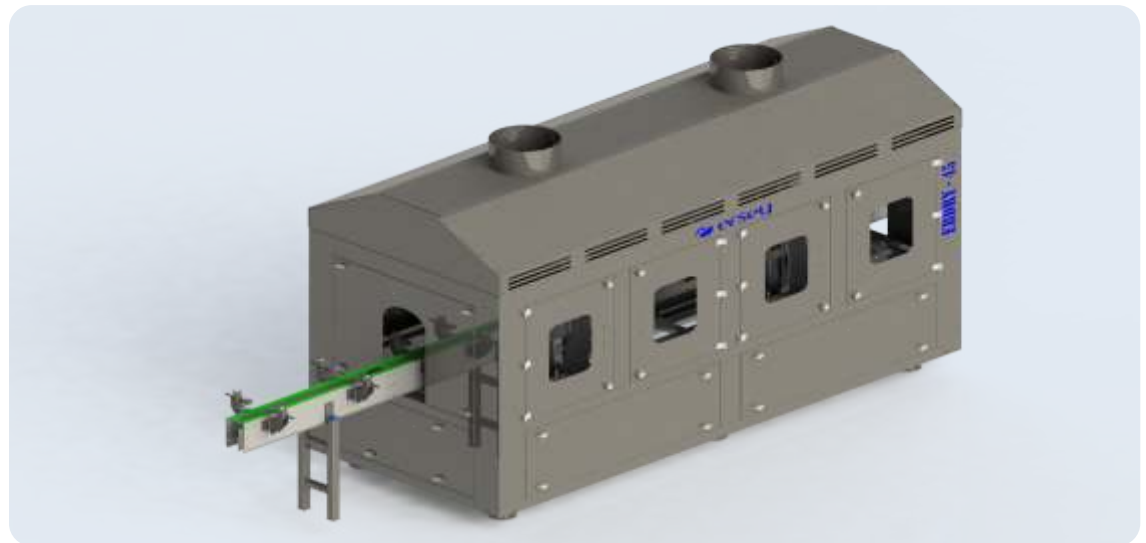
### Bottle Dryer

PET and glass bottles

- Dryer module
- Blow-drying of containers
- Low-maintenance

Configuration according to

- Bottle drawings
- Production speeds



# Line Equipment

## HANDLE APPLICATOR / CHECK POINT

### Handle Applicator

**Speeds:** up to 7500 BPH

- Vibrating bowls
- In/out feed conveyor
- Infeed system
- Unscrambler
- Handle applicator
- The applicator mechanically applies the handles on the bottle neck



### Check Point

#### Container inspection unit

Checking the fill level and bottle caps

Fill level inspection with camera technology

Cap and safety inspection with camera technology

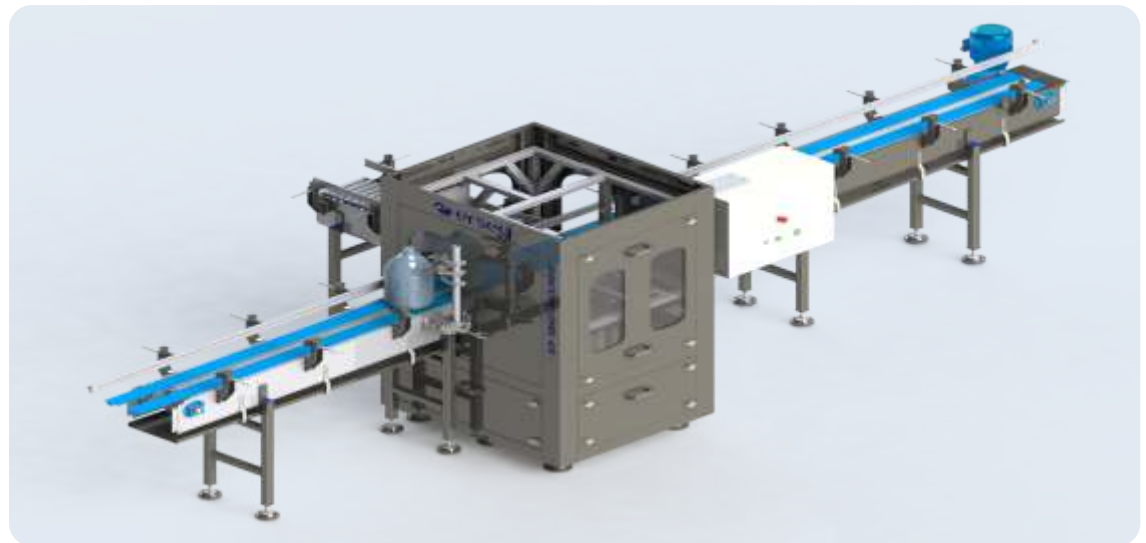
**Fill level inspection** 1 camera

**Cap inspection :**

1 sensor

1/2 cameras with an inspection range of 180°/240°

LED lighting



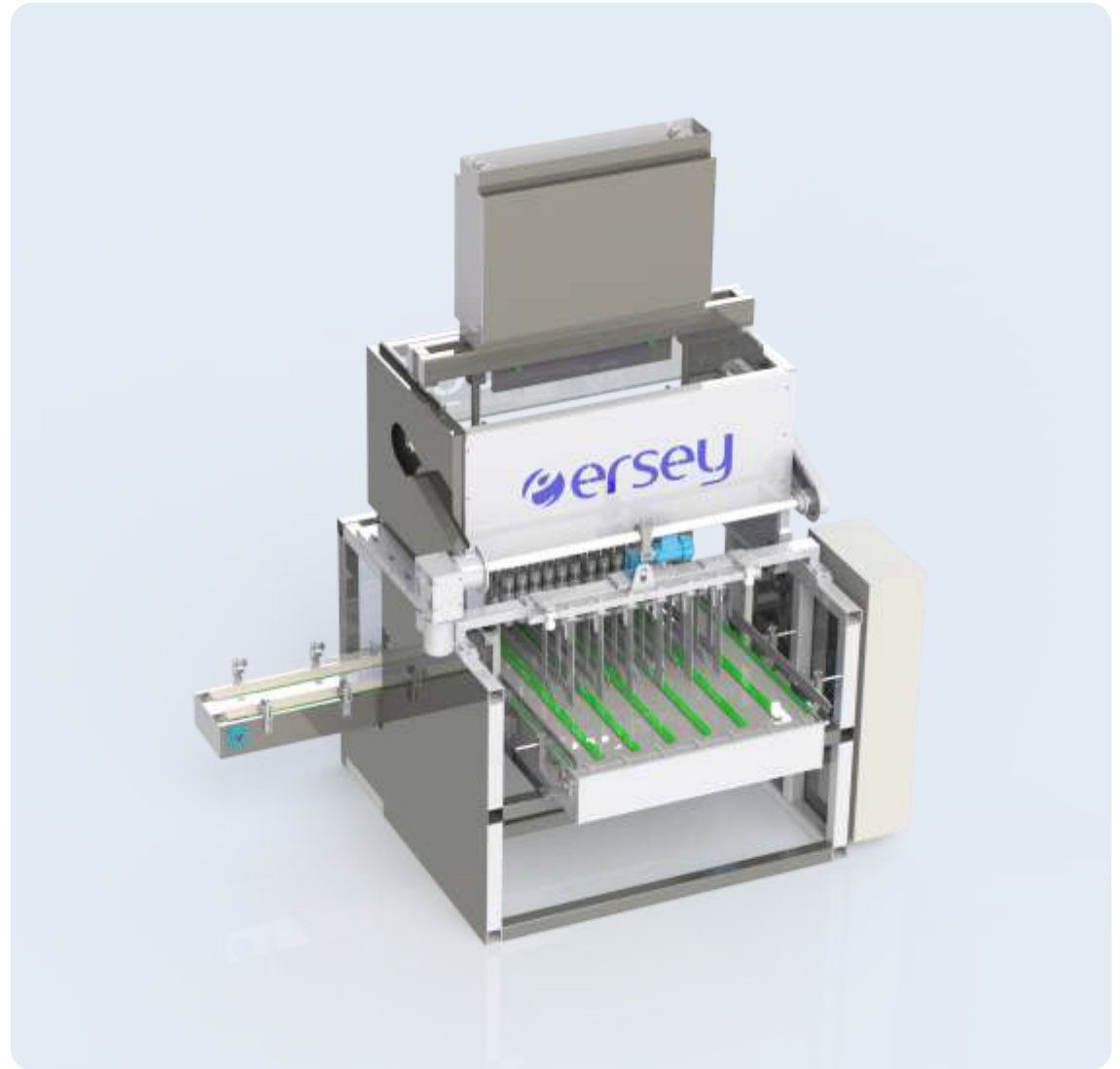


# Line Equipment

## PICK & PLACE PACKER

### Main Features

- For PET, glass bottles
- Case Erector
- Pick & Place Packer
- Case Gluer
- Gripper heads
- Many possible configurations
- Low maintenance
- Easy gripper head changeover according to neck size
- Easily operating



# Line Equipment

## CONVEYORS : AIR / MECHANICAL / TILTING

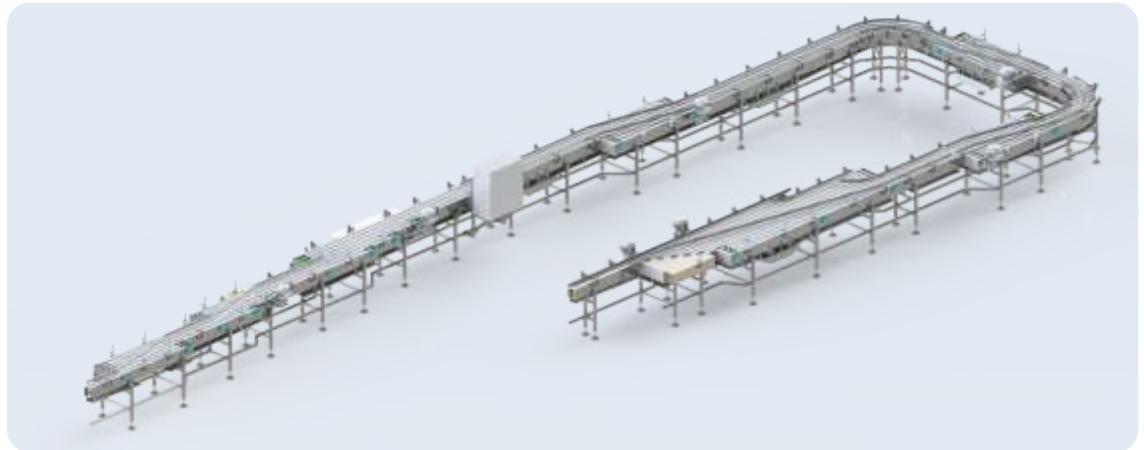
### Air Conveyor

- For empty plastic bottles
- Straight, curve
- Neck guide
- Filtration
- Under neck guide clip
- Hygienic design



### Accumulator Conveyor

- Bottle (pet, glass) conveyors
- Pack conveyors
- Crate conveyors
- Stainless steel 304
- Hygienic design
- Easy maintenance
- Settings fully controlled by PLC
- Flow control to ensure perfect infeed for the next machine
- Dry lubrication
- Adapted for round, rectangular or square bottles



### Tilting Conveyor

- For PET and glass bottles
- Bottle drawings
- Treatment time
- Line layout
- 90° to 110° bottle turner for cap wetting
- Gentle bottle turning without pressure
- Fast change over
- Different lengths available



# 5 Gallon Filling Line PC

## ERSEY PRODUCT PORTFOLIO

De-capper

Washer

Filler

Neck Sleeve

Leak Tester

# 5 Gallon Line Equipment

## WASHING - FILLING - CAPPING

Machine and maximum output in bottles per hour

Cycle time 12 sec - 15 sec

10 Rows

2.400 - 3.000 bph

7 Rows

1.500 bph

5 Rows

1.200 bph

3 Rows

740 bph





# 5 Gallon Line Equipment

## WASHING - FILLING - CAPPING

### Main Features

#### Washer

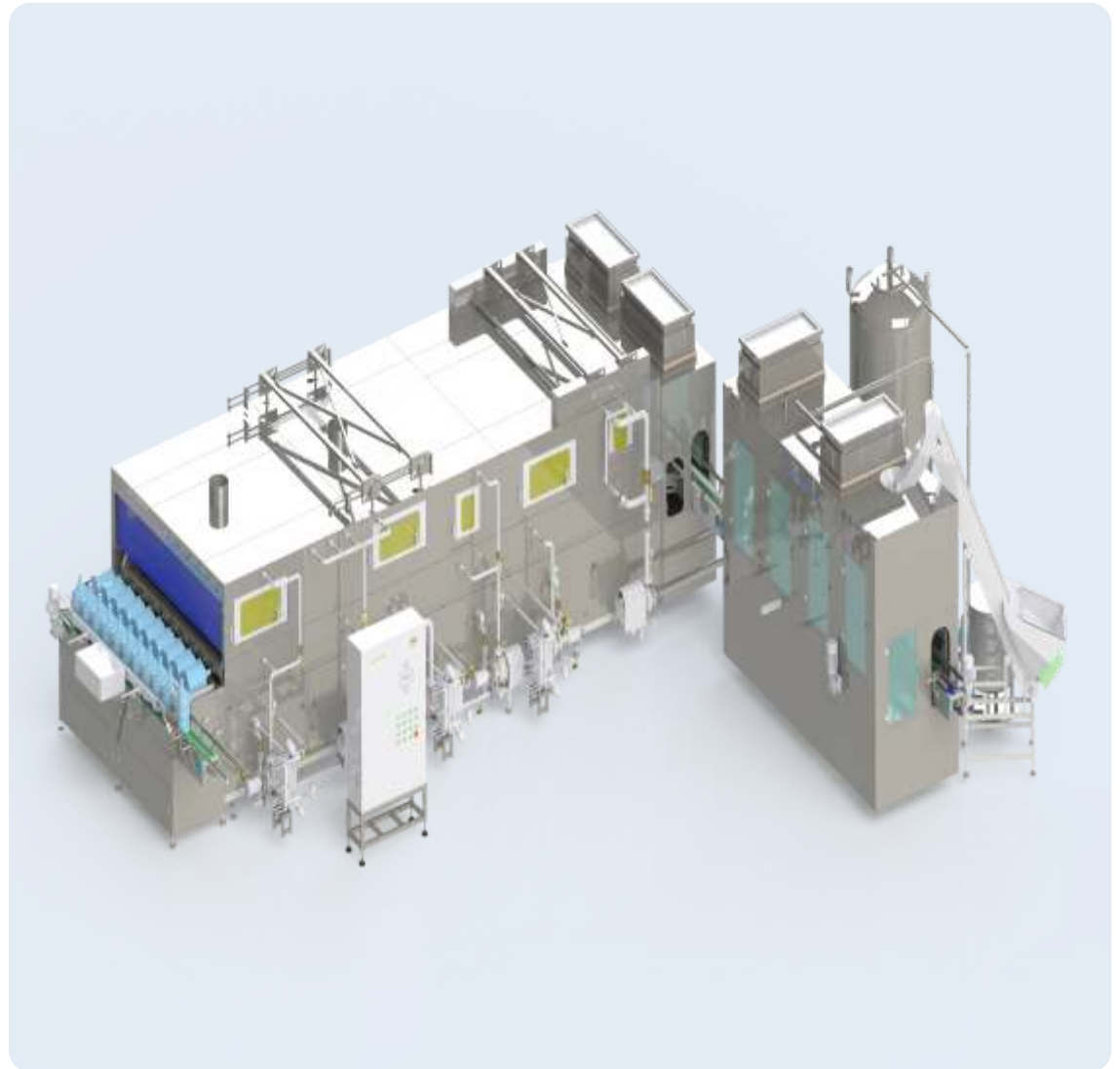
- Washing cycle which can be customized according to the customer standard and requirements
- Neck Handling
- Bottle neck washing
- Washing Nozzles
- Rotary Brushing

#### Washing cycle phases:

- 16
- 26

#### Filler & press on capper

- No contact between the valve and the neck of the bottle
- All parts in contact with the product piping, valves etc. are made of 316 SS
- Air filtration Equipped in the filling cabinet
- Cap hopper



# 5 GALLON LINE EQUIPMENT

## Rotary External Washing

- **Rotary Brushing**

Brushes are motorised and clean the bottle externally.

- Clean not only the bottom but also the sides of the bottle.



## Neck Sleeve

- **Cap sleever :**

Designed for sleeving caps and guaranty seals automatically

- **Sleeving machine equipped with:**

- Knives
- Touch-screen
- Shrink tunnel
- Reel holder



# 5 GALLON LINE EQUIPMENT

## Decapper

- The decapper is designed to remove the cap from returned bottles
- Single / dual head
- Plc controlled



## Leak Tester

- The leak tester is designed to reject leaking bottles
- Plc controlled
- Detect the faulty bottles which have cracks
- No mechanical stress apply on the bottle
- Auto-rejection station
- Touch screen





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

PRODUCT PORTFOLIO  
COMPLETE LINE



# Complete Lines

## ERSEY PRODUCT PORTFOLIO

0.2 - 2 lt Lines

5 - 10 lt Lines

19 lt Lines

5 Gallon Lines

# COMPLETE SOLUTION

## EQUIPMENT LIST for BASIC CONFIGURATION

BLOWER	ERSEY	CODER	LAZER
FILLER	ERSEY	SHRINK	TURKEY
CAPPER	ERSEY	PALLETIZER	ERSEY
PREFORM FEEDING	ERSEY	STRECH WRAPPER	ERSEY
WATER FALL CAP FEEDING	ERSEY	CONVEYORS	ERSEY
LABELLER	ERSEY	INSPECTION	EXCLUDED

## OPTIONS

H. Pressure compressor	OIL FREE
L. Pressure compressor	7 BAR
CHILLER	FOR MOLDS

- H Pressure Air consumptions is relevant to bottle size
- Consumptions are relevant to line configuration

# PRIMARY & SECONDARY PACKAGE

Ref. 0,5lt

Bottle		500	1,500
	Bottle shape	Round	Round
	Logo		
	Material	PET	
	Weight (g)		
	Fill point * (mm)	22	30
	Blowing Pressure (bar)	28	28
Neck	Type	29/25	
Cap	Type	Flat Cap	
	Material	Plastic	
Label	Material	OPP	

\* minimum distance between the liquid and the top of the neck

Filling Temperature 25 °C

Bottle	500	1,500
Packaging Type	Shrink Film Only	
Arrangement	6x4	3x2
Pallet	1,000 x 1,200	800 x 1,200
N. of Layers		

## Environmental conditions

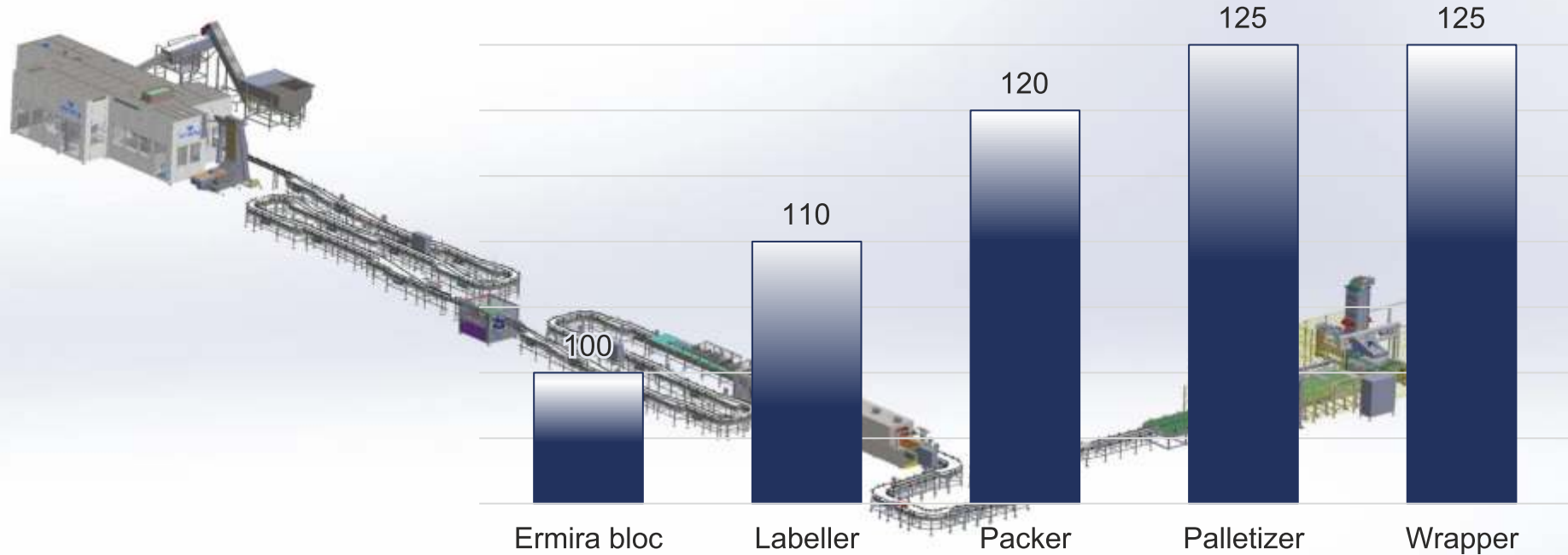
hall temperature	20 °C - 40 °C	
hall relative humidity	%40 - % 90	

# LINE - GRAPH

All ersey lines designed with Line efficiency 90%

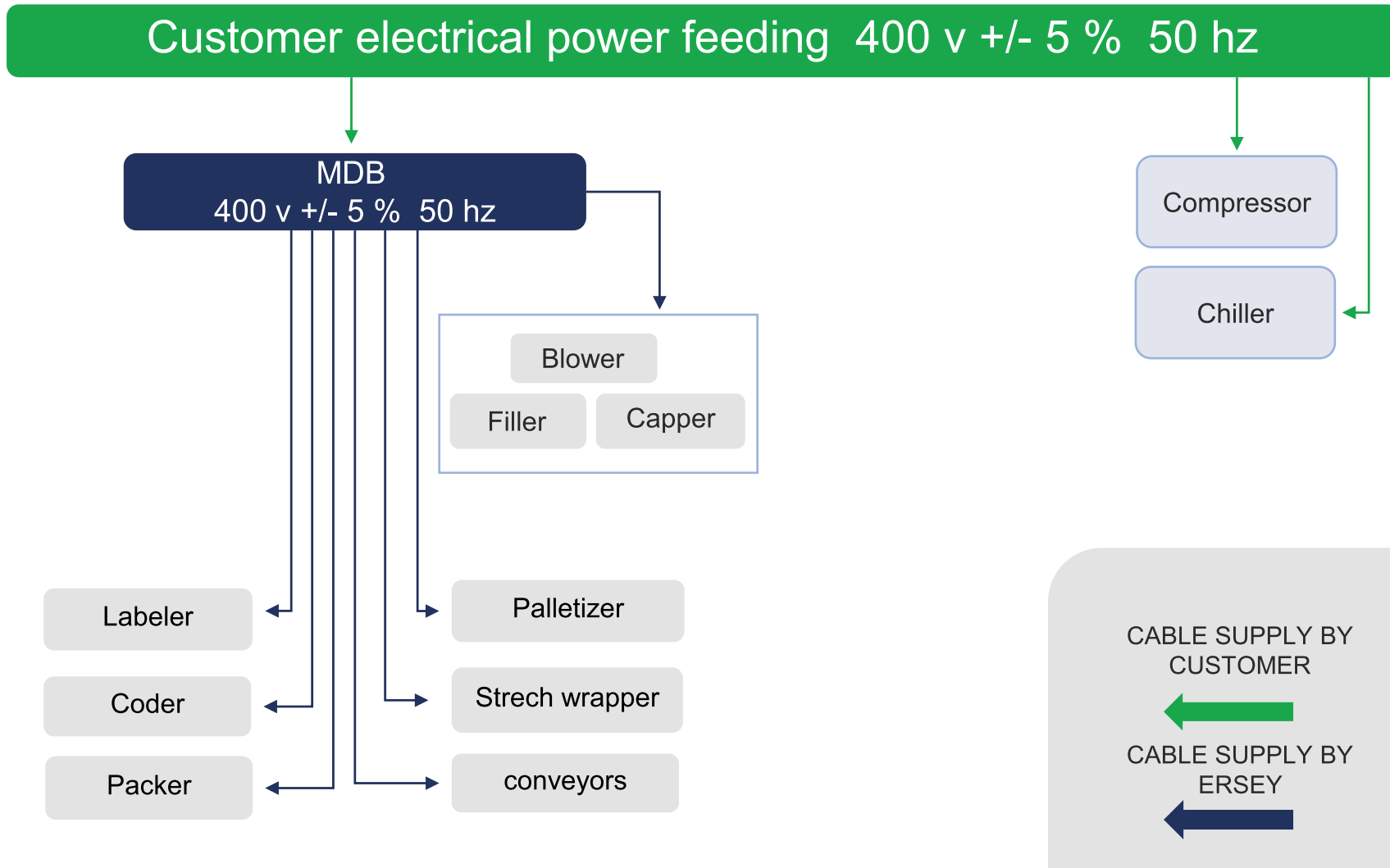
- Principle of accumulation with overspeed
- Ensuring the continuous supply of products
- Ensuring the quality

Line Graph

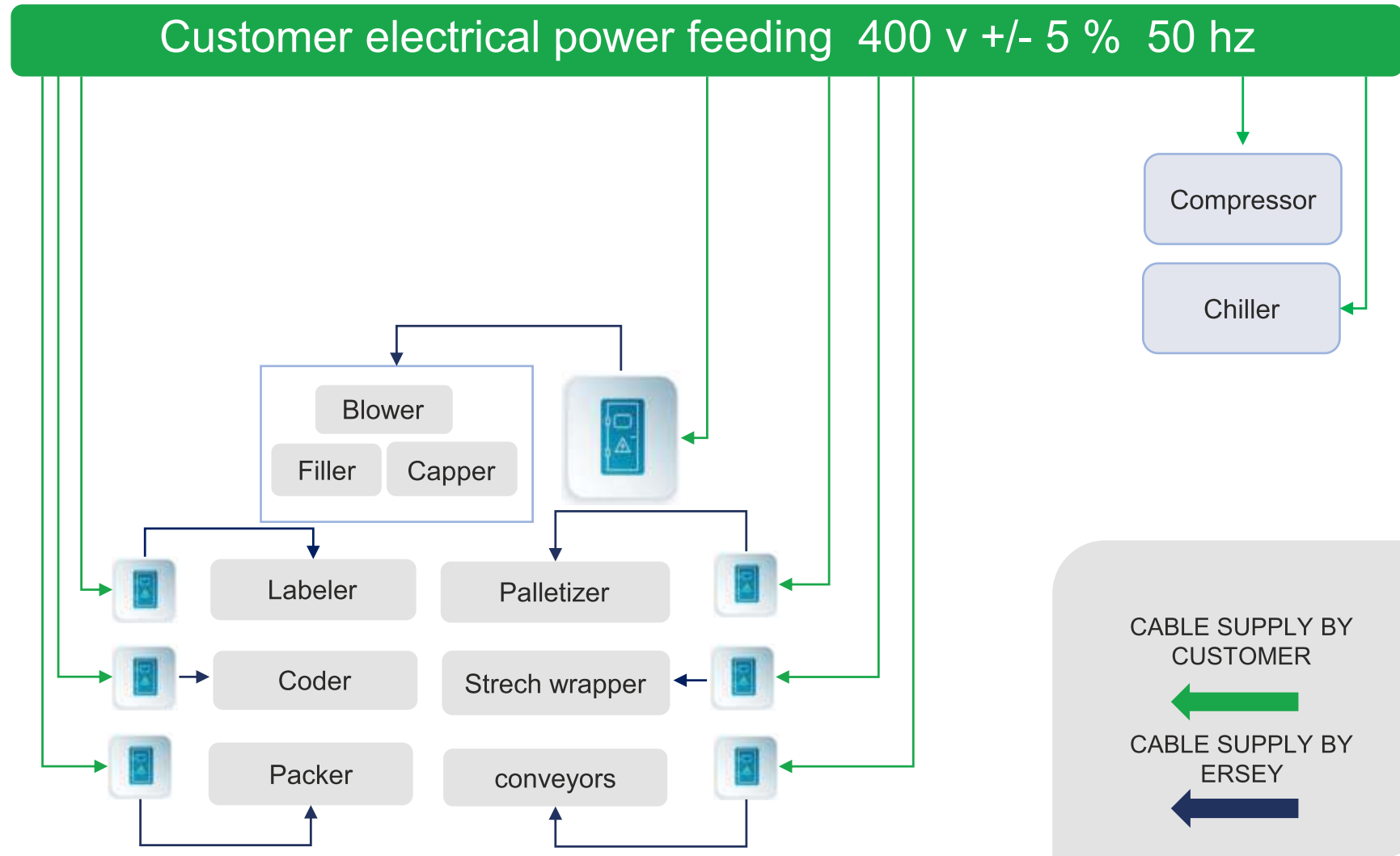




# POWER DISTRIBUTION FEEDING SCHEME

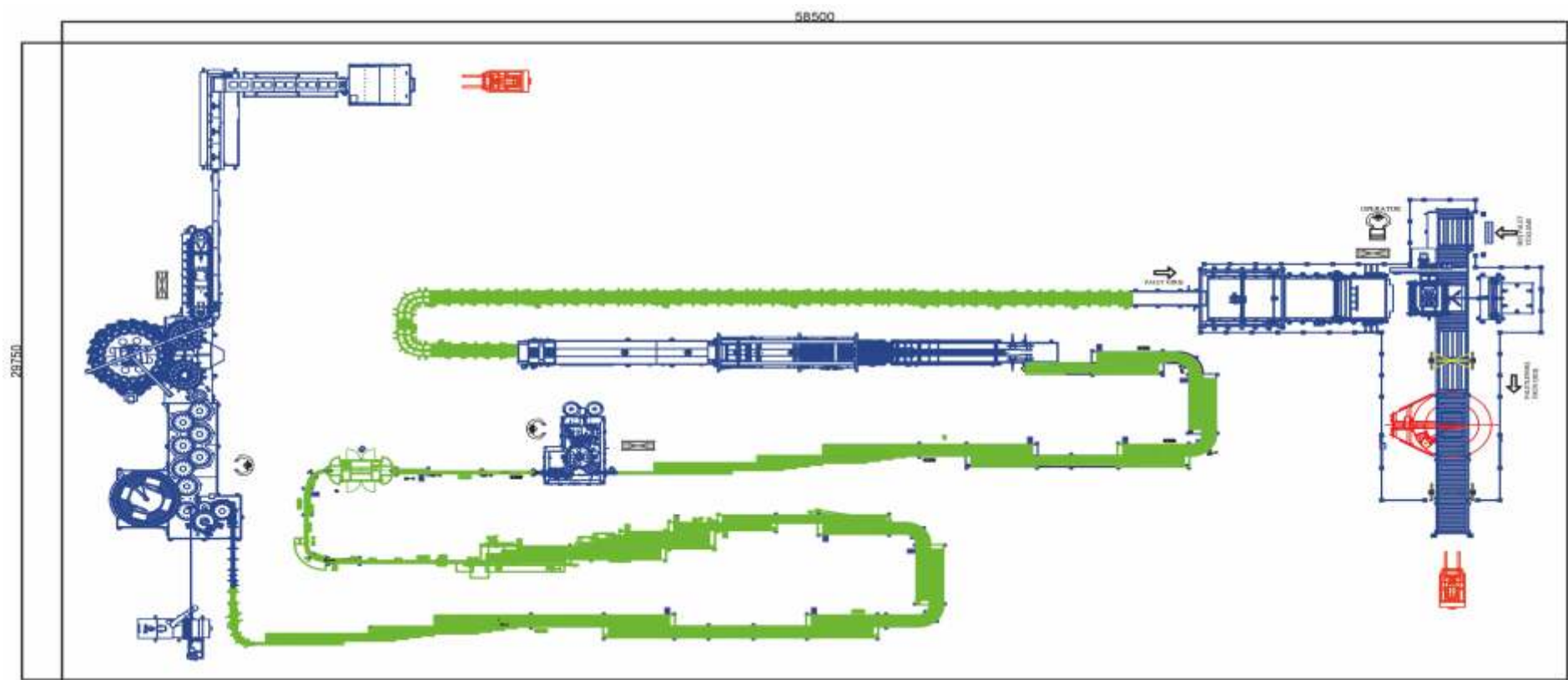


# POWER DISTRIBUTION FEEDING SCHEME



# Layout

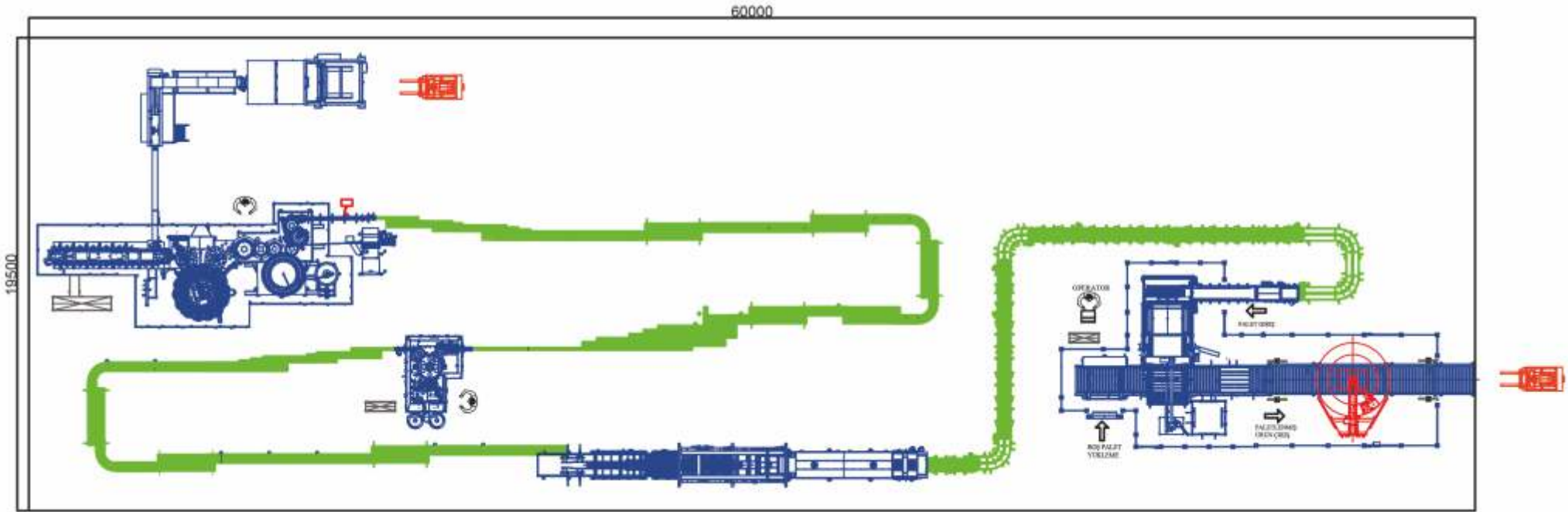
## LINE ROTARY ERMIRA 21C2 Ref. 0,5lt



Foot print	
Length (m)	59
Width (m)	30
Surface (m <sup>2</sup> )	1,770

Layout

LINE ROTARY ERMIRA 14C2 Ref. 0,5lt

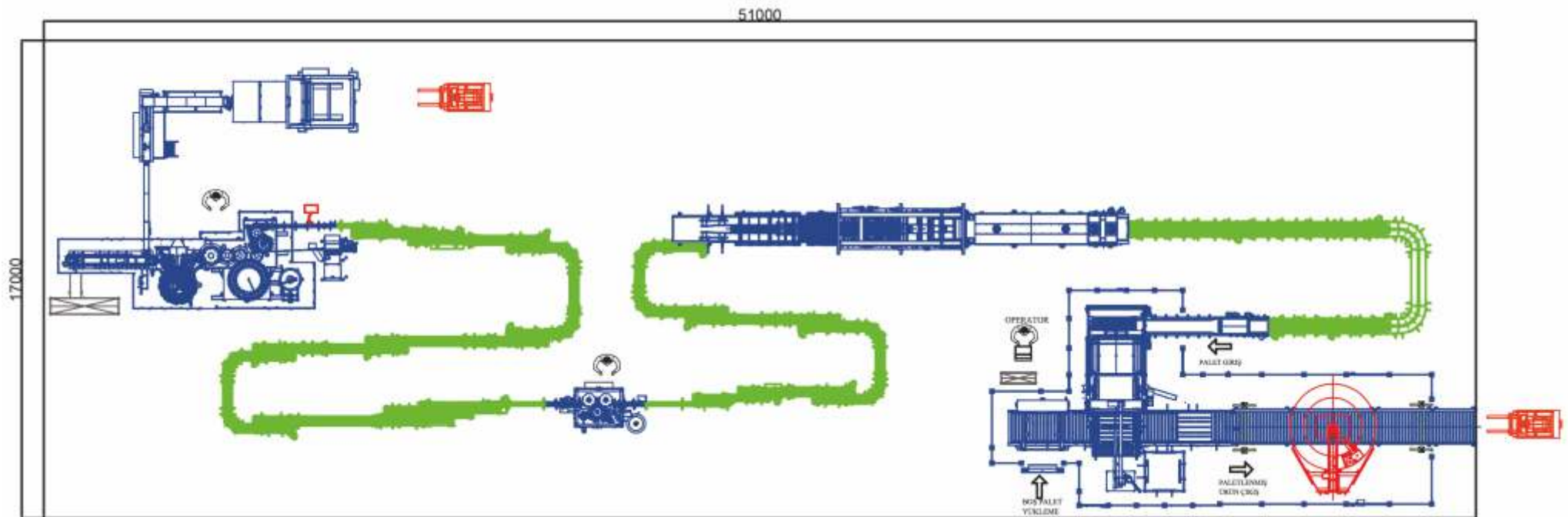


Foot print	
Length (m)	56
Width (m)	18
Surface (m <sup>2</sup> )	1,008



# Layout

## LINE ROTARY ERMIRA 8C2 Ref. 0,5lt

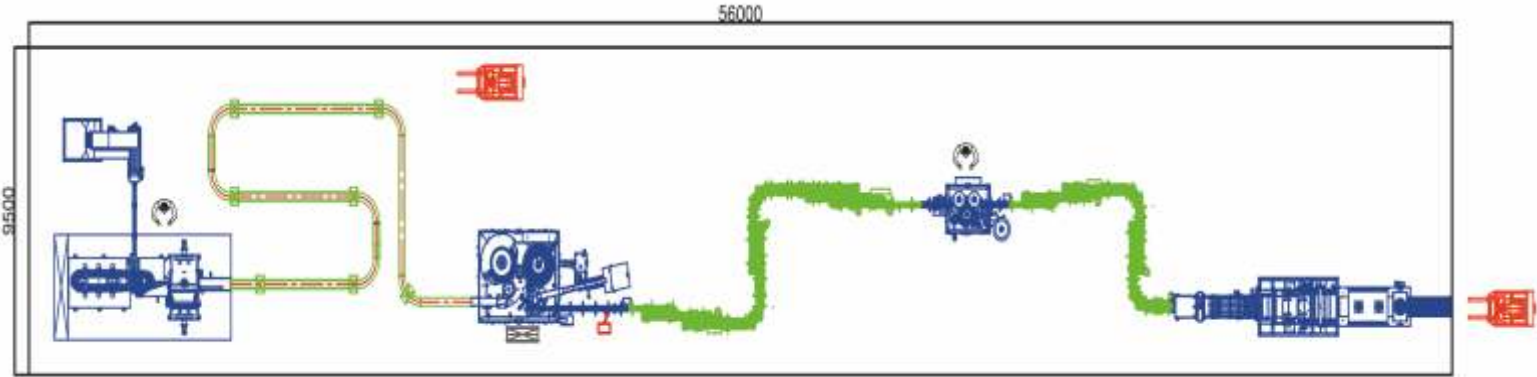


Foot print	
Length (m)	51
Width (m)	17
Surface (m <sup>2</sup> )	867

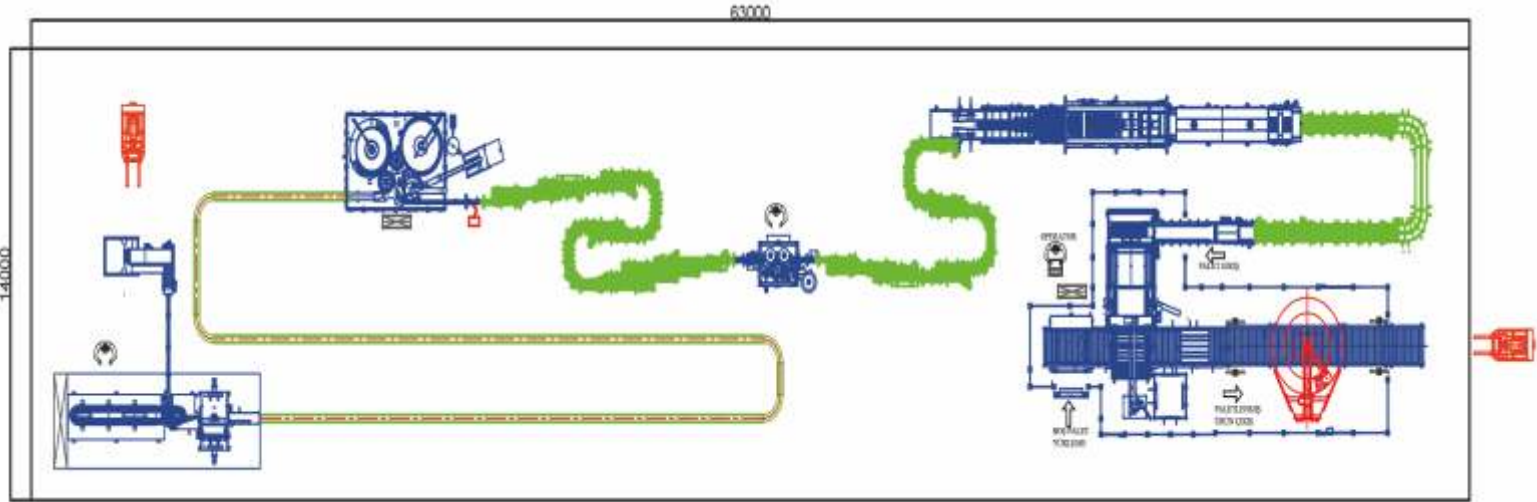
# Layout

## LINE LINEAR 8C2 / 13C2

Ref. 0,5lt



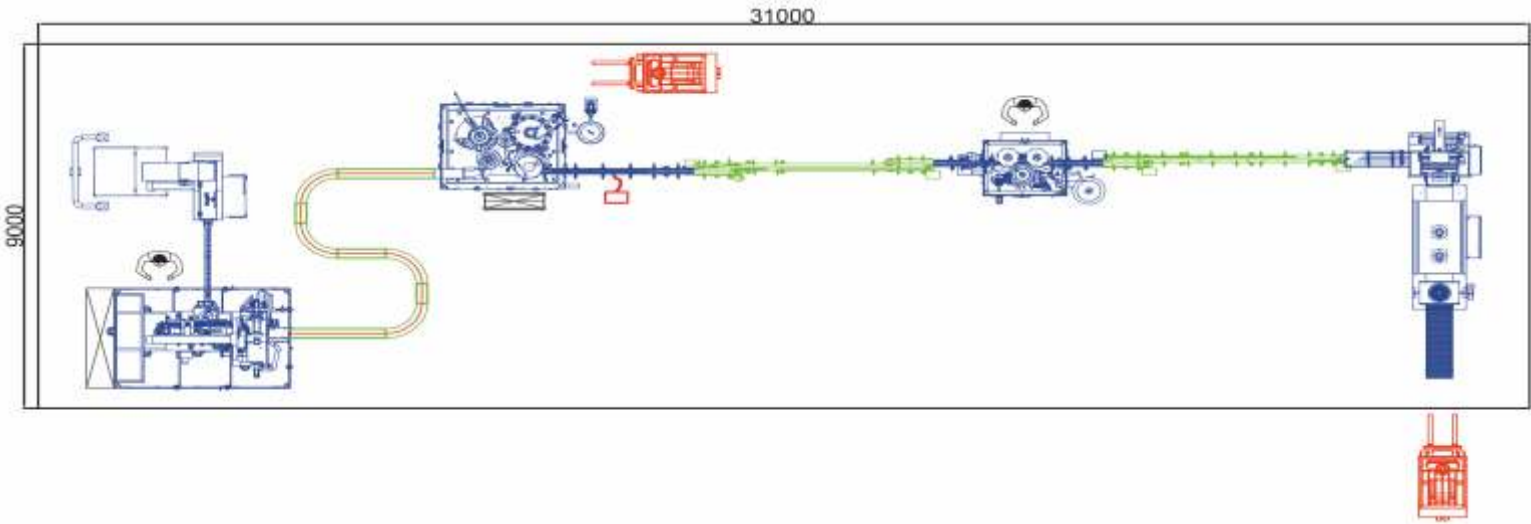
Foot print	
Length (m)	56
Width (m)	10
Surface (m <sup>2</sup> )	560



Foot print	
Length (m)	63
Width (m)	14
Surface (m <sup>2</sup> )	882

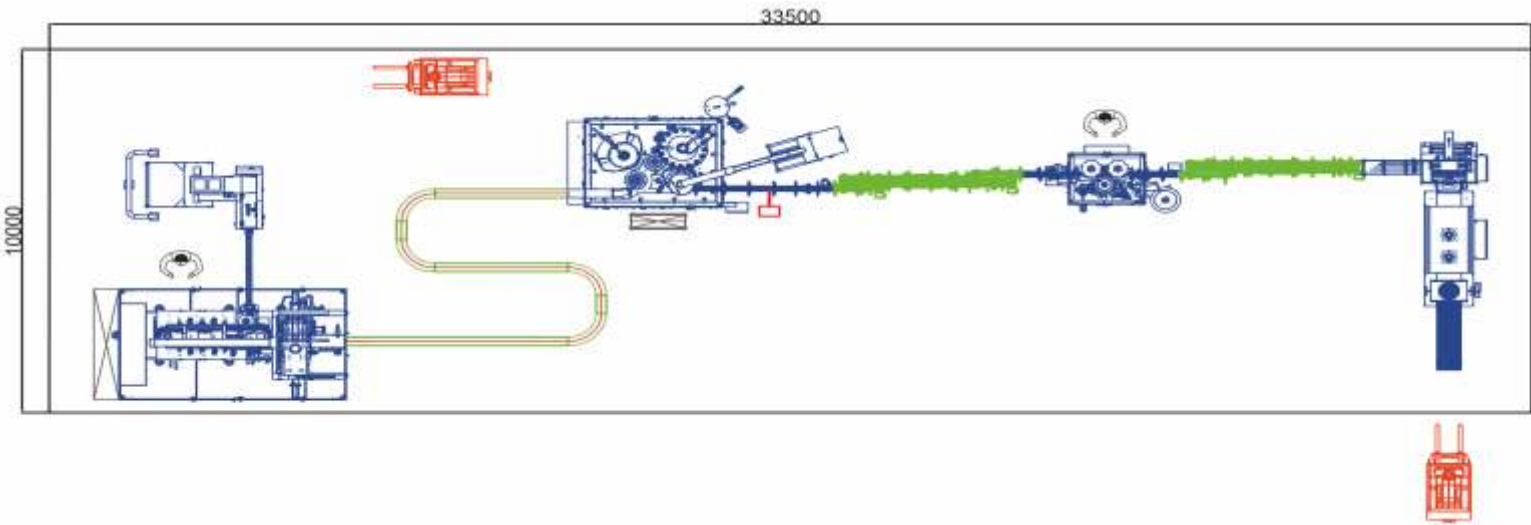
# Layout

## LINE LINEAR 4C2 / 2C2 Ref. 0,5lt



### Foot print

Length (m)	34
Width (m)	11
Surface (m <sup>2</sup> )	374



### Foot print

Length (m)	31
Width (m)	9
Surface (m <sup>2</sup> )	279

# PRIMARY & SECONDARY PACKAGE

Ref. 5lt

Bottle		5 LT	10 LT
	Bottle shape	Round	Round
	Logo		
	Material	PET	
	Weight (g)		
	Fill point * (mm)	22	30
	Blowing Pressure (bar)	28	28
Neck	Type	38/33 48/41	
Cap	Type	Flat Screw Cap	
	Material	Plastic	
Label	Material	OPP / STICKER	

Bottle	5 LT	10 LT
Packaging Type	Shrink Film Only	
Arrangement	2X2	2X1
Pallet	1,000 x 1,200	800 x 1,200
N. of Layers		

## Environmental conditions

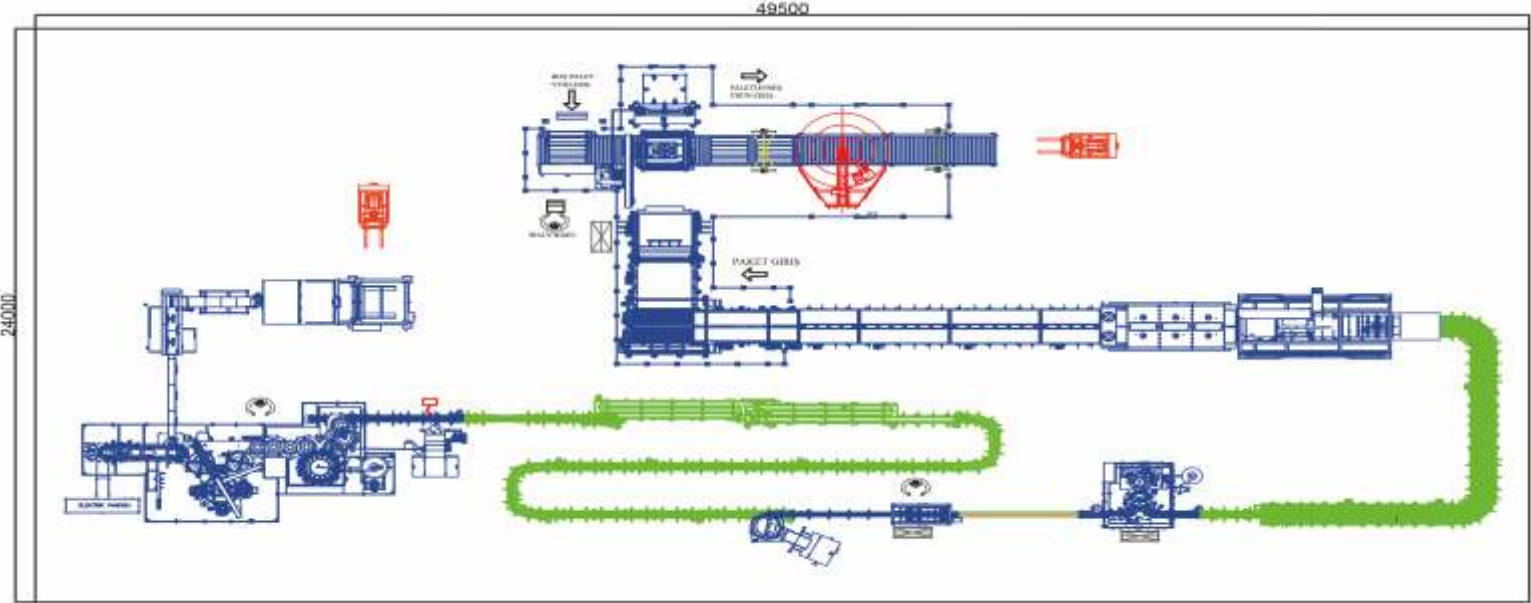
hall temperature	20 °C - 40 °C
hall relative humidity	%40 - % 90

\* minimum distance between the liquid and the top of the neck

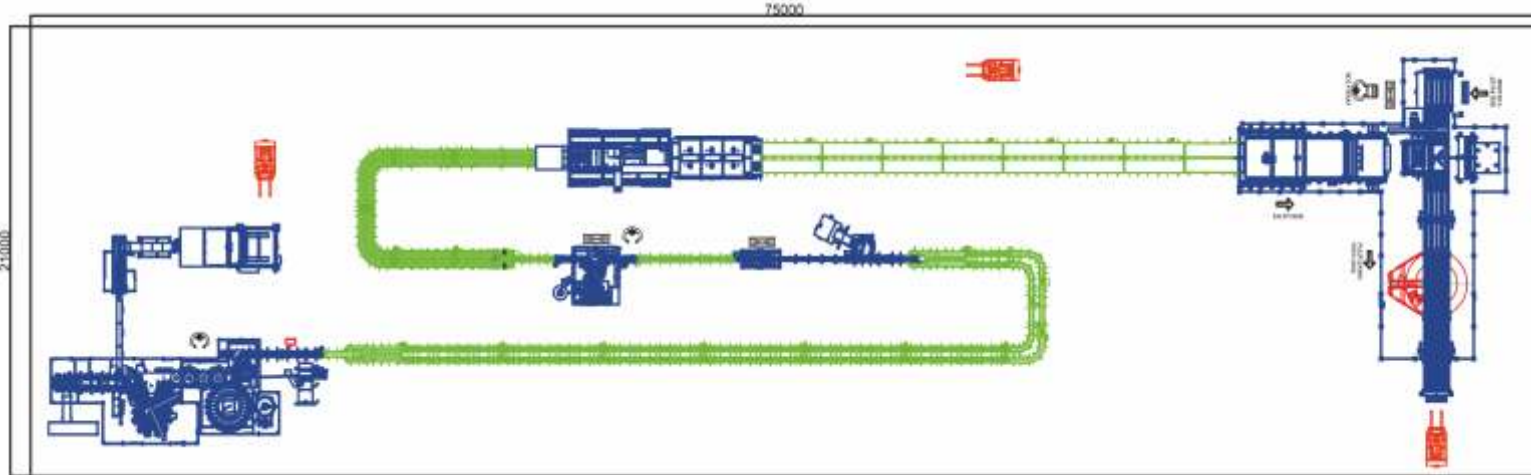
Filling Temperature 25 °C

Layout

LINE ROTARY ERMIRA 41C10 / 6C10 Ref. 5lt



Foot print	
Length (m)	50
Width (m)	24
Surface (m <sup>2</sup> )	1200



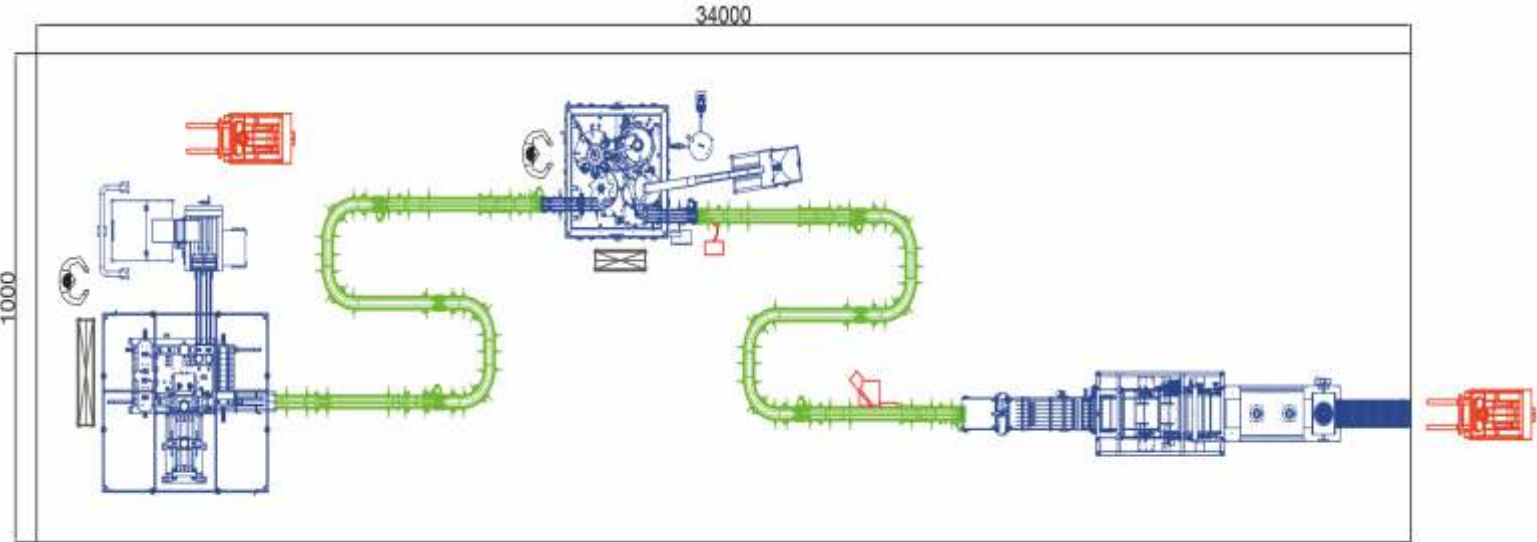
Foot print	
Length (m)	75
Width (m)	20
Surface (m <sup>2</sup> )	1500



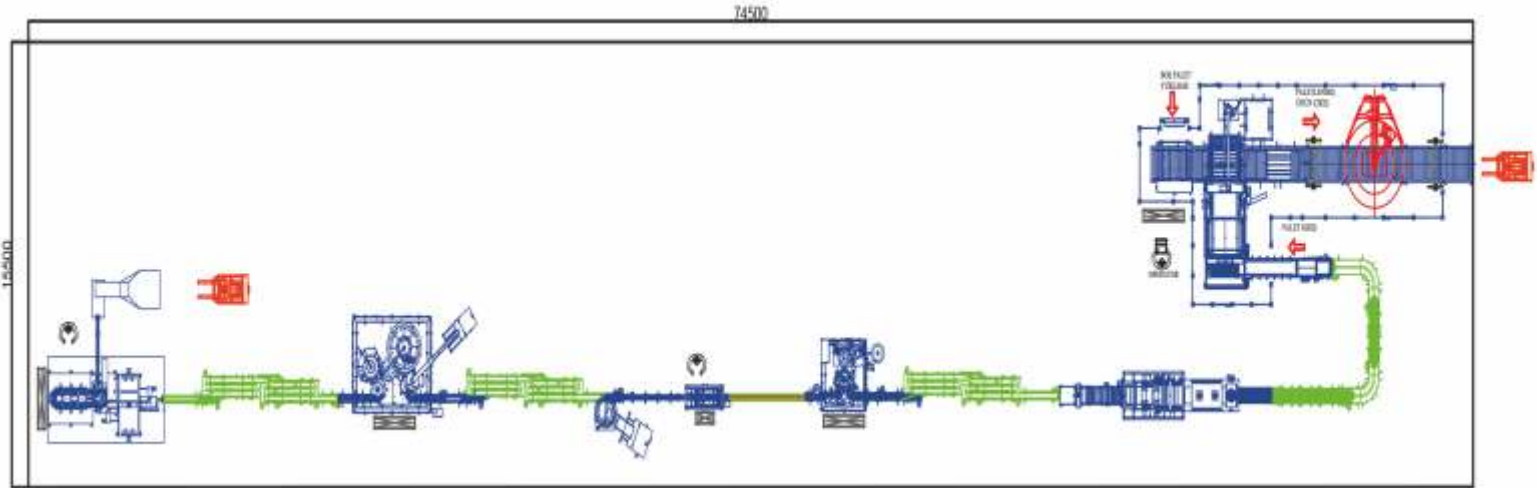
# Layout

## LINE LINEAR 2C10 / 4C10

Ref. 5lt



Foot print	
Length (m)	34
Width (m)	10
Surface (m <sup>2</sup> )	340



Foot print	
Length (m)	75
Width (m)	15
Surface (m <sup>2</sup> )	1,125

# PRIMARY & SECONDARY PACKAGE

Ref. 19lt

Bottle		12 LT	19 LT
	Bottle shape	Round	Round
	Logo		
	Material	PET	
	Weight (g)		
	Fill point * (mm)	22	30
	Blowing Pressure (bar)	28	28
Neck	Type	55 mm	
Cap	Type	Flat Screw Cap	
	Material	Plastic	
Label	Material	STICKER	

\* minimum distance between the liquid and the top of the neck

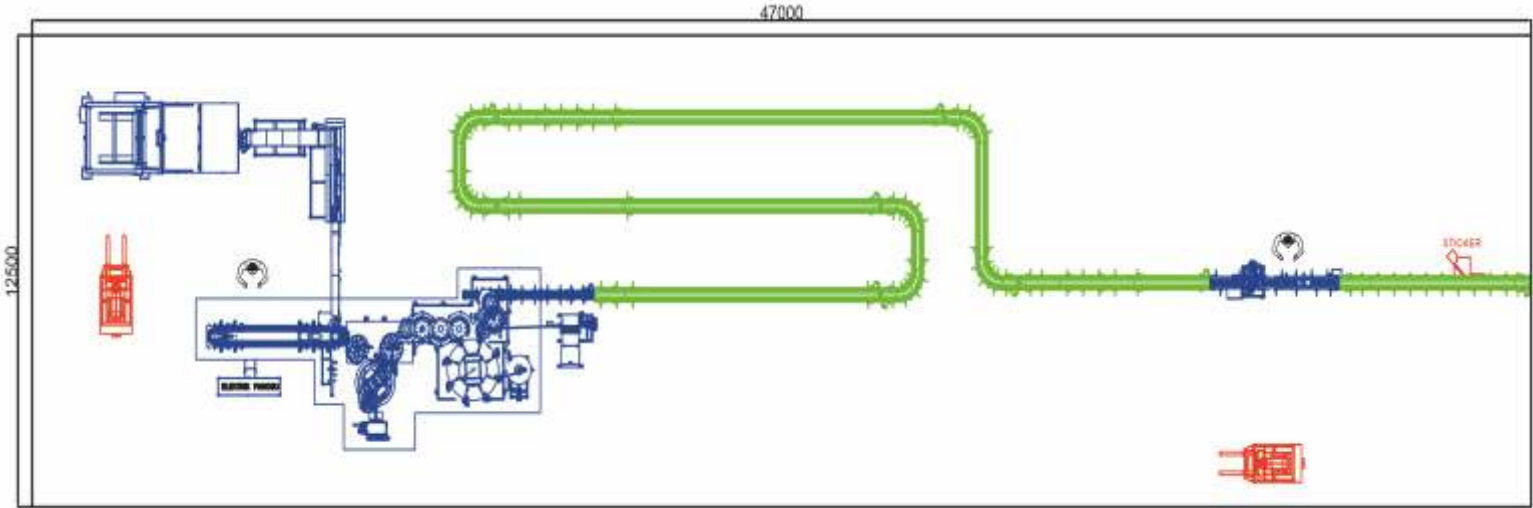
Filling Temperature 25 °C

## Environmental conditions

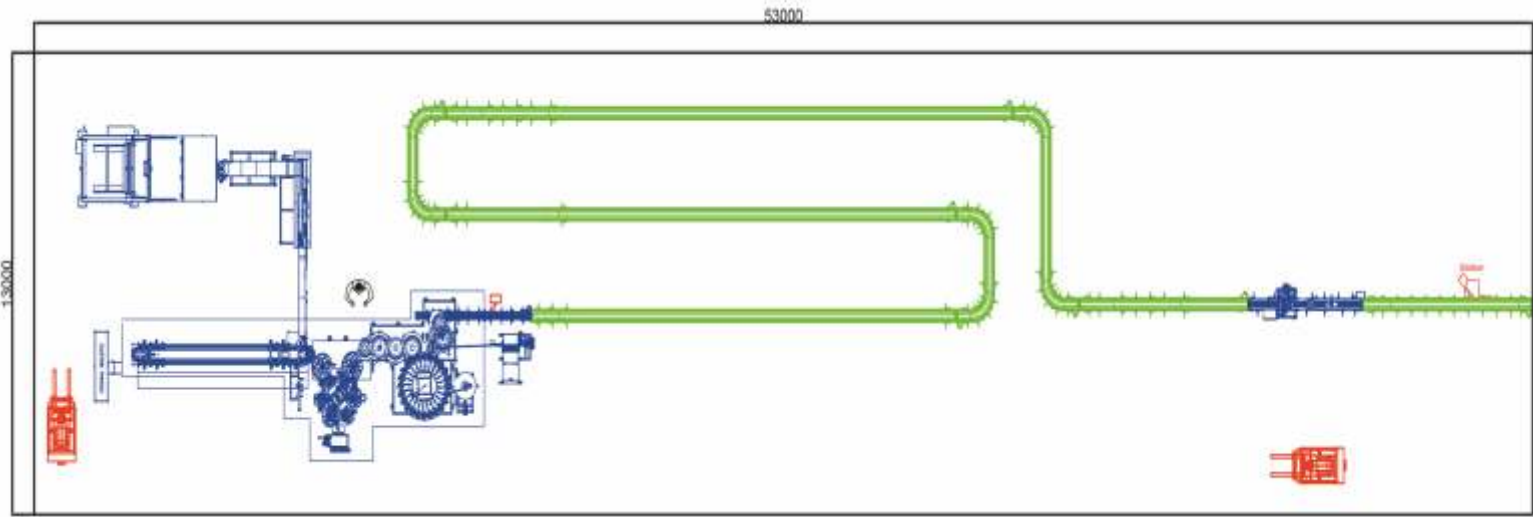
hall temperature	20 °C - 40 °C
hall relative humidity	%40 - % 90

# Layout

## LINE ROTARY ERMIRA 21C19 / 4C19 Ref. 19lt



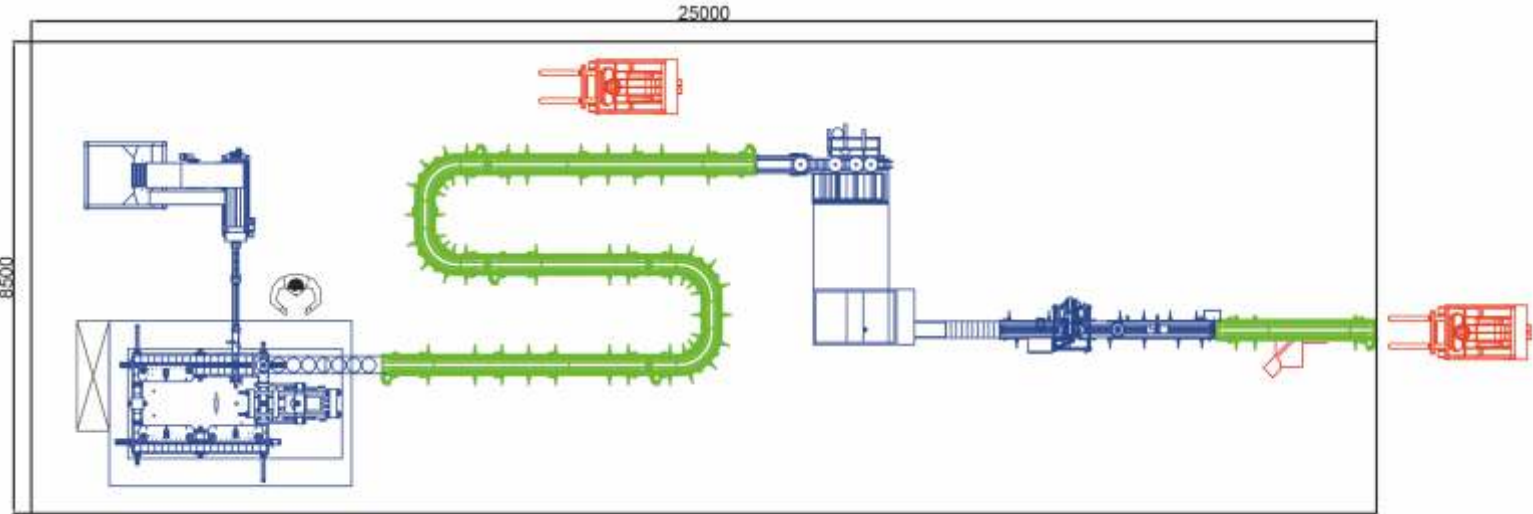
Foot print	
Length (m)	47
Width (m)	12
Surface (m <sup>2</sup> )	564



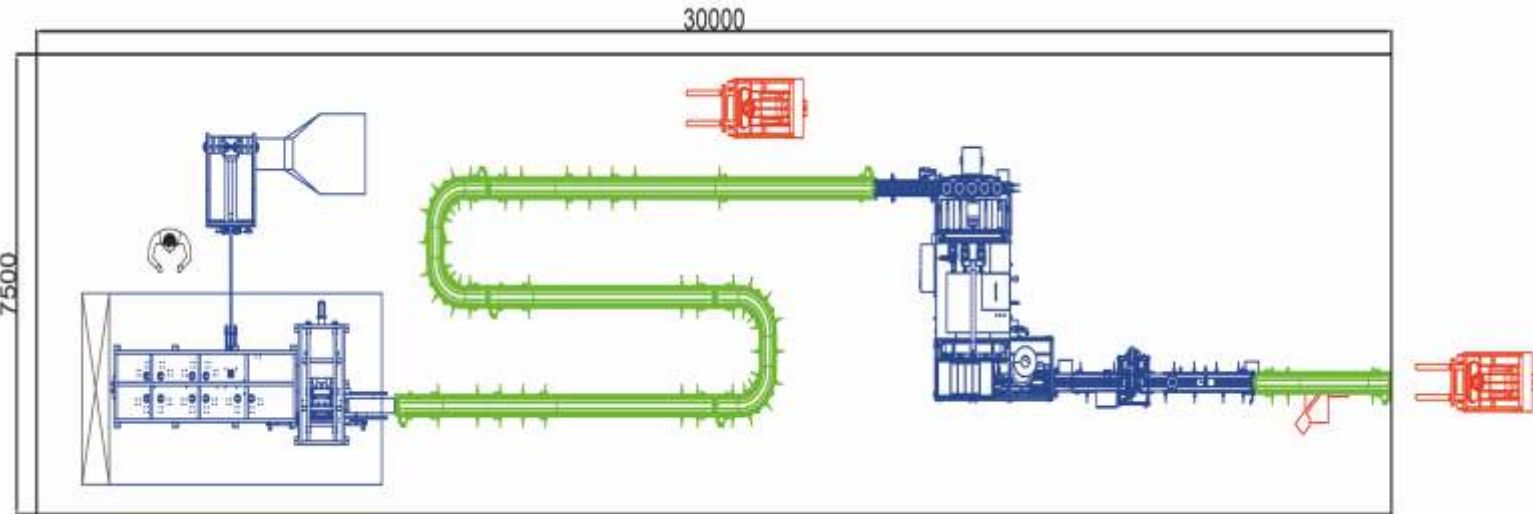
Foot print	
Length (m)	53
Width (m)	13
Surface (m <sup>2</sup> )	689

Layout

LINE LINEAR 1C19 / 2C19 Ref. 19lt



Foot print	
Length (m)	26
Width (m)	9
Surface (m <sup>2</sup> )	234

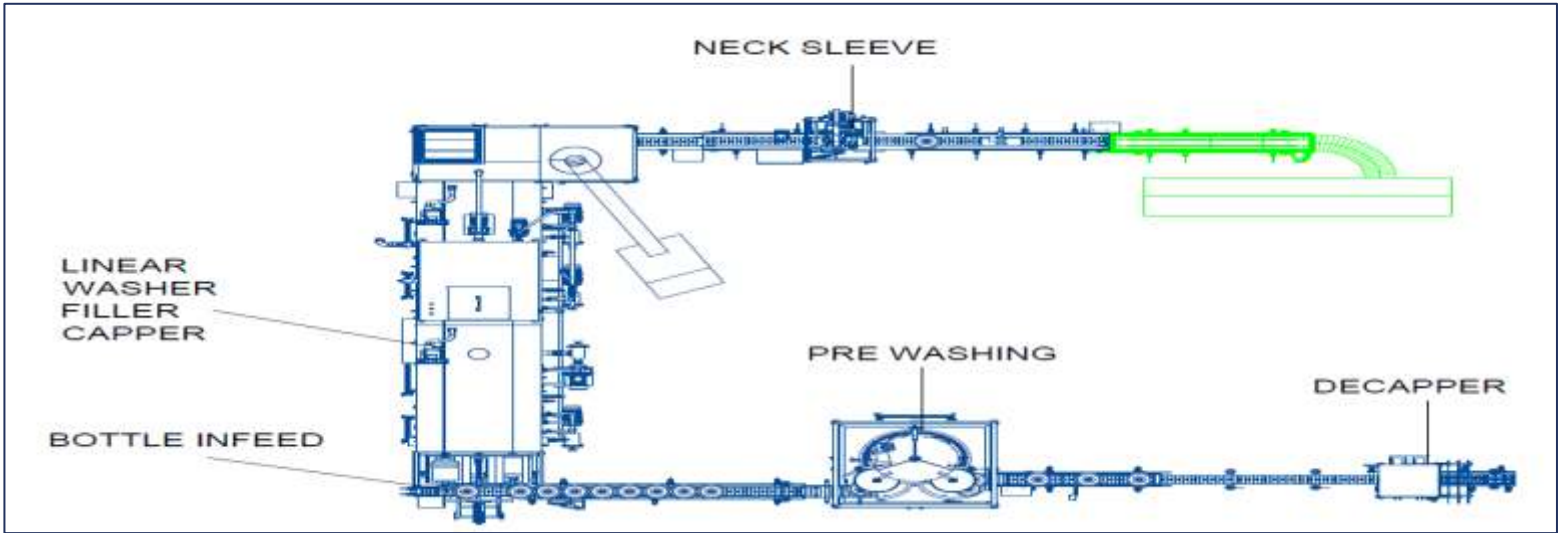


Foot print	
Length (m)	32
Width (m)	139
Surface (m <sup>2</sup> )	288

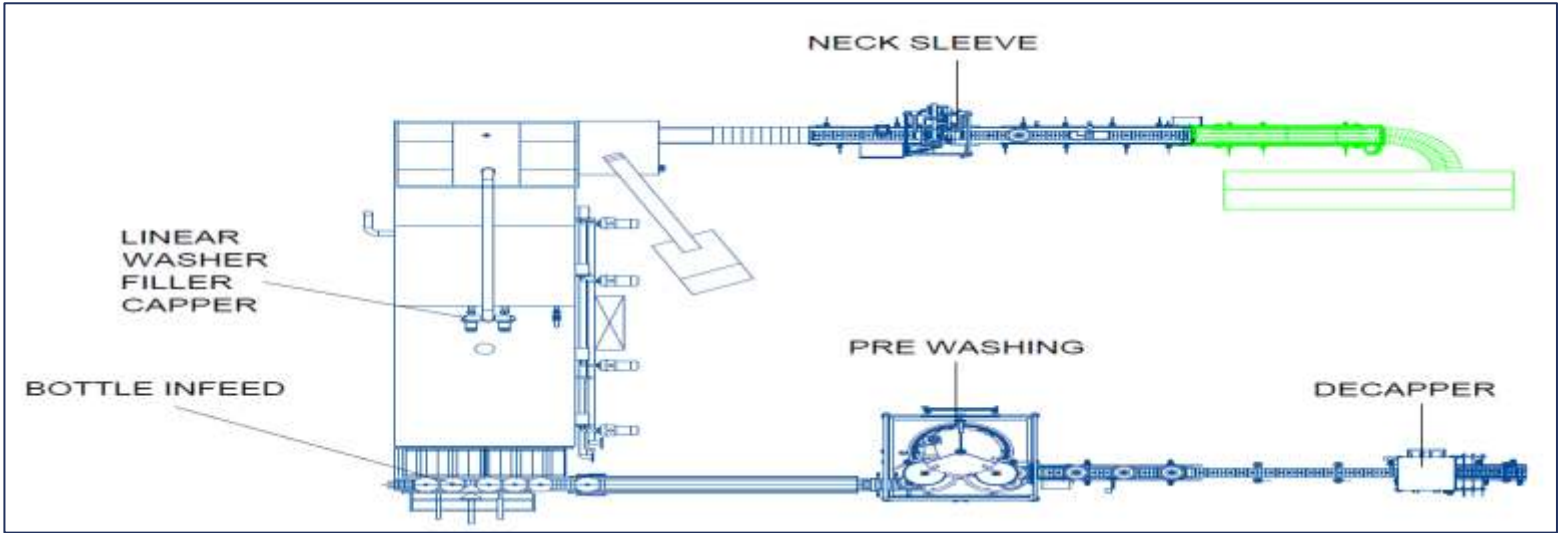
# Layout

## LINE 5 GALLON 3 - 5 ROWS

Ref. 5 G



Foot print	
Length (m)	13
Width (m)	10
Surface (m <sup>2</sup> )	130

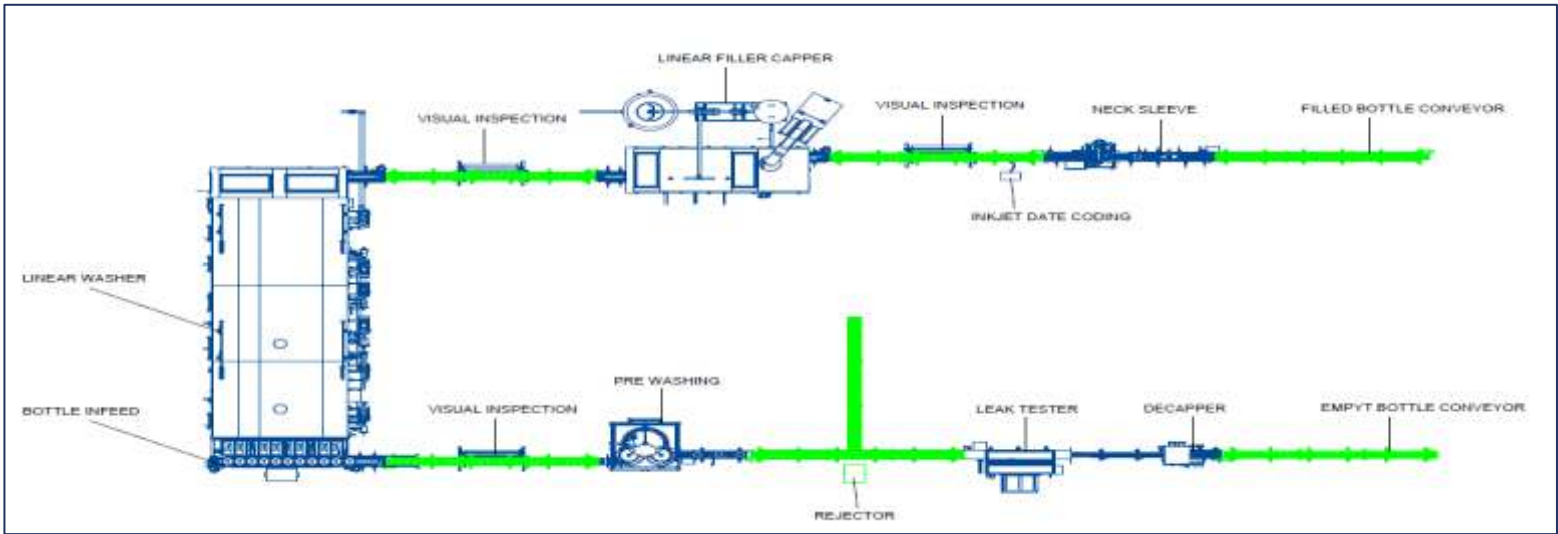


Foot print	
Length (m)	13
Width (m)	10
Surface (m <sup>2</sup> )	130



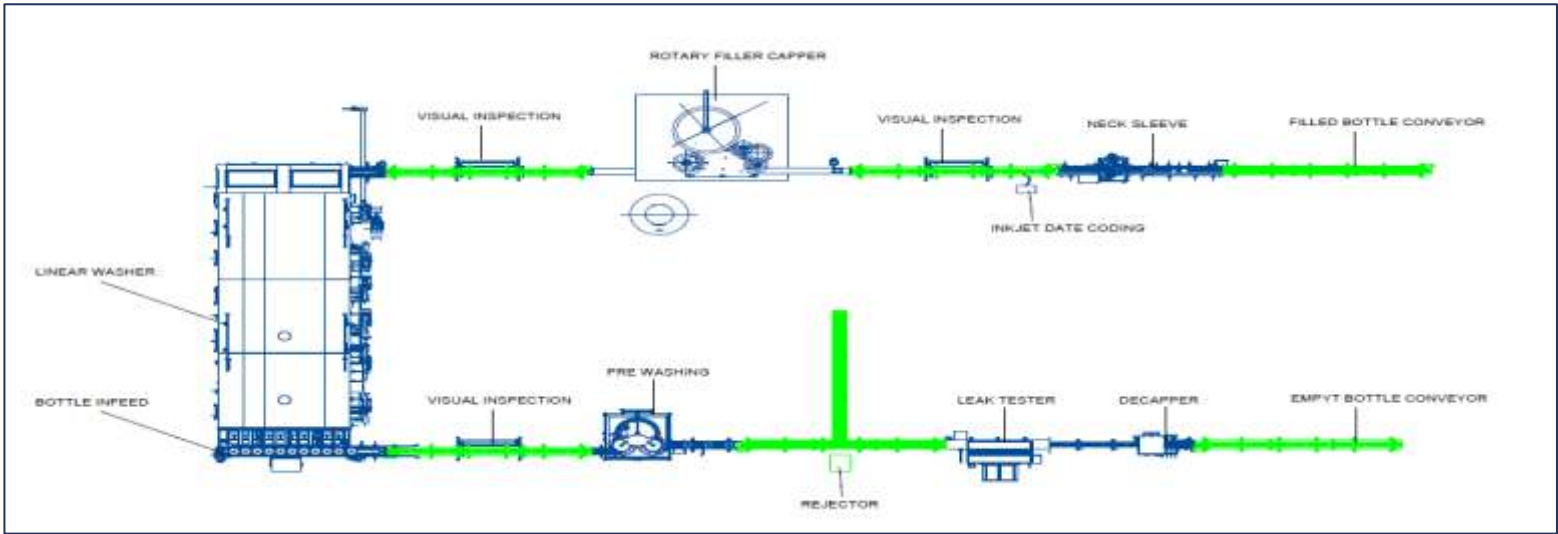
# Layout

## LINE 5 GALLON 10 ROWS Ref. 5 G



### Foot print

Length (m)	32
Width (m)	16
Surface (m <sup>2</sup> )	512



### Foot print

Length (m)	32
Width (m)	16
Surface (m <sup>2</sup> )	512



- Ersey Makina – Web Site  
[www.erseymakina.com.tr](http://www.erseymakina.com.tr)
- Ersey Makina – Brochures  
[www.erseymakina.com.tr/documentation](http://www.erseymakina.com.tr/documentation)
- Ersey makina – Virtual Tour  
[www.erseymakina.com.tr/virtualtour](http://www.erseymakina.com.tr/virtualtour)

**ERSEY MAKİNA SAN. ve TİC. A.Ş.**

Ömerli Mahallesi Ilgaz Sokak No: 11  
(Hadımköy Yolu Üzeri) 34555 Hadımköy  
Arnavutköy / İSTANBUL, Turkey  
**T** : +90 (212) 798 33 88 (Pbx)  
**F** : +90 (212) 798 33 93  
**E** : [erseymakina@erseymakina.com](mailto:erseymakina@erseymakina.com)

 [Facebook.com/erseymakina](https://www.facebook.com/erseymakina)