

TRUSTED PARTNER,
LEADER IN ECO-FRIENDLY RIGID
PACKAGING SOLUTIONS FOR THE
FOOD INDUSTRY

SYNERLINK

ARCIL / DAIRYPACK / HEMA

bw
PACKAGING

ABOUT US

WHO ARE WE ?

Synerlink is a global leader in providing complete packaging solutions for food, dairy, beverage and home care products, as well as in designing and manufacturing integrated packaging lines for ultra-clean, extended shelf-life (ESL) and aseptic products.



DOSING



PRIMARY PACKAGING



**SECONDARY PACKAGING
& PALLETIZING**



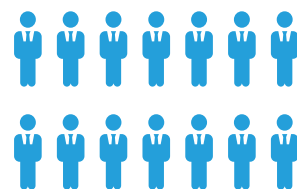
**LINE DESIGN
& ENGINEERING**



SERVICES

A **barrywehmler**
COMPANY SINCE
2013

**10 LOCATIONS
IN 5 COUNTRIES**



600 TEAM MEMBERS

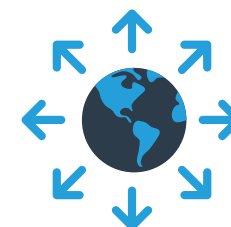


+1000 CUSTOMERS

IN



COUNTRIES



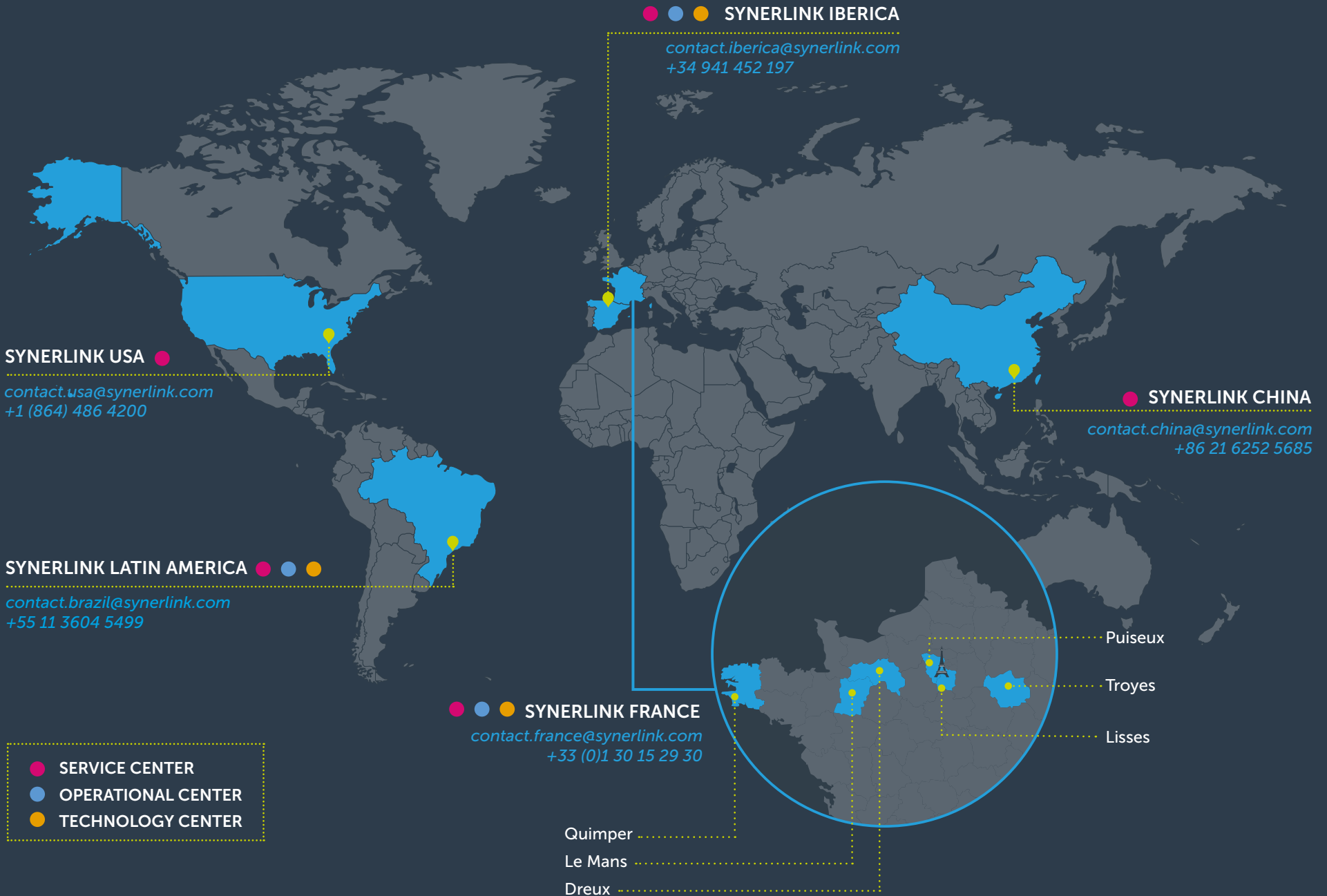
**4000+
MACHINES
INSTALLED**

**40 TO 50
MACHINES
PER YEAR**

Our technology centers are the foundation of our business. Today, they are combining their knowledge and experience to deliver the best machinery solutions for dosing units, FS, FFS and end-of-line.

Our operation centers can produce different types of machinery which allows us to share our production across the different locations to provide the best possible delivery time to our customers.

OUR WORLDWIDE LOCATIONS



OUR CUSTOMERS



OUR MARKETS

YOGURT
& DAIRY DESSERTS



CREAM
& SPREADABLE CHEESE



BUTTER
& MARGARINE



BEVERAGE



BABY FOOD



SAUCES
& PREPARED FOODS



EDIBLE OIL



SWEETENED
PRODUCTS



MEAT, FISH
& PET FOOD



HOME CARE
& PERSONAL CARE

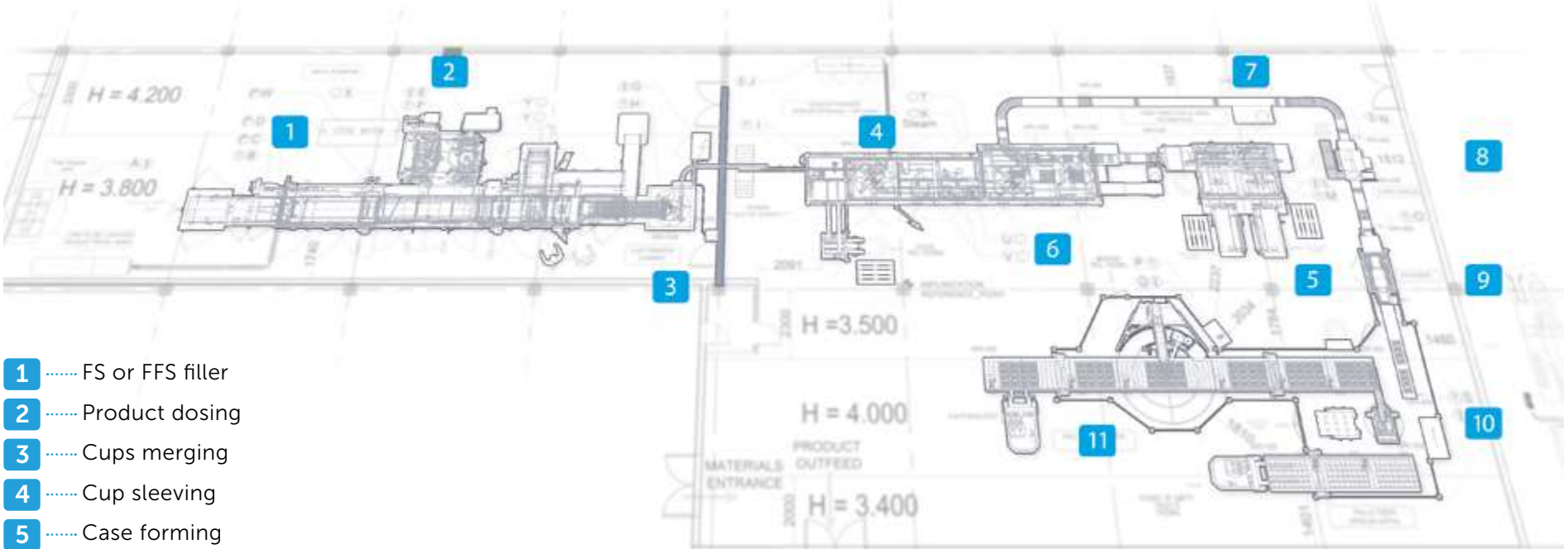




LINE DESIGN & ENGINEERING

COMPLETE LINE INTEGRATION

Our team of experts integrate all packaging and line layout constraints in their plans to streamline your production and maximize operational efficiency.



- 1 FS or FFS filler
- 2 Product dosing
- 3 Cups merging
- 4 Cup sleeving
- 5 Case forming
- 6 Case crating
- 7 Case labeling
- 8 Detecting & rejecting foreign body
- 9 Case stacking
- 10 Palletizing
- 11 Pallet wrapping

OUR HUMAN MACHINE INTERFACE



Efidrive provides the operator with consistent visual feedback on all machine updates and on the status of all packaging materials located at any Synerlink machine on the line.

YOUR ERP INTERFACE

Option to connect your ERP with your machines, which gives you full control of your product lines, as well as tracking on all your products from the time of the batch order to the time they exit your factory.

80 YEARS OF EXPERIENCE AT YOUR SERVICE

1936

Establishment of
Hema

1939

Hema first Rotary
Piston Filler for
Sauce & Jam

1978

Establishment
of **Arcil**

1992

Danone acquires
Arcil

1994

Arcil introduces
new generation FFS
machines

20
00

2008

Hema first Combi
for yogurt

2009

Creation of Synerlink
complete lines

20
10

2013

BW acquires
Synerlink

2014

Acquisition
of **Dinieper**

2019

First Ermi CombiBlow
in production

2017

Acquisition of
Ermi

2016

Acquisition of
Sogameca

Acquisition of
Dairy Pack

First Hema
Quatro Mass Flow
Technology

2015

BW Acquires
Hema

20
20

2021

25 years of
experience with PET

2022

Hema joined
Synerlink

4000+ Synerlink
filling systems in the
market

2023

First Versatech cup
filling machine in
production

CUSTOMER ENGAGEMENT MODEL

FROM FEASIBILITY STUDY TO TURNKEY PROJECT

We provide you with a complete range of services tailored to your needs, implementing your packaging projects from the packaging design to line performance qualification.

PHASES	SERVICES
PACKAGING DESIGN	<ul style="list-style-type: none">• From marketing brief to pack concept• Global approach for your packaging solution (cups, multipacks, bottles, cases)• Evolution of your current packaging
PROJECT PRE-STUDY	<ul style="list-style-type: none">• Layout optimization for efficient operations• Global analysis of your packaging solution (primary, secondary, line engineering)
FUNCTIONAL ANALYSIS	<ul style="list-style-type: none">• Operating mode definition• Line waiting time reduction• Fast changeovers
PROJECT MANAGEMENT	<ul style="list-style-type: none">• Schedule follow-up, reporting• Consolidated reporting for your project manager• Job site preparation
PERFORMANCE WARRANTIES	<ul style="list-style-type: none">• Integrated automation of your line with flow optimization• Global performance warranty• Factory acceptance test of your complete line at our site before shipment
PERFORMANCE QUALIFICATION	<ul style="list-style-type: none">• Line efficiency measurement• High speed camera analysis• Fully integrated line control through Synerlink EfiDrive HMI system





THE SERVICES YOU TRUST

COMPLETE LINE TEST BEFORE SHIPMENT

We guarantee your complete line efficiency and performance. Synerlink tests the line (including fillers and downstream equipment) with a unique and complete-line Factory Acceptance Test (FAT) before shipment.

To guarantee a vertical ramp-up on the production site, the FAT includes process simulation, start-up of production, production and change of SKU (Stock Keeping Unit) with monitoring for efficient parameter setting.



A PARTNER FOR THE LONG TERM

Our collaboration with you doesn't end once a machine is installed or a project is complete. We'll be there by your side, year after year, to keep your plant and your business moving forward for your Arcil, Dairypack, Dinieper, Ermi or Hema machine. Our range of aftersale services include:

- Remote Technical Support
- Field Service
- Replacement Parts
- Material conversion for FS
- Material conversion for FFS
- Material conversion for bottles
- Rebuilds
- Maintenance
- Training
- Pre-Owned Equipment
- Upgrades
- PET cutting tool

(arcil) (dairypack) (dinieper) (hema) (ermi)

After you make the choice to go with Synerlink, our Help Line will provide you with ongoing technical support.

- **Technical assistance:**
Restarting production after a total shutdown
Identifying solutions to malfunctions
- **Continuous improvement:**
Identification of needs of technical upgrades
- **Recommendations for:**
Machine operation and maintenance
Information on technical innovations



SYNERLINK HELPLINE



SYNERLINK WORLD SERVICES

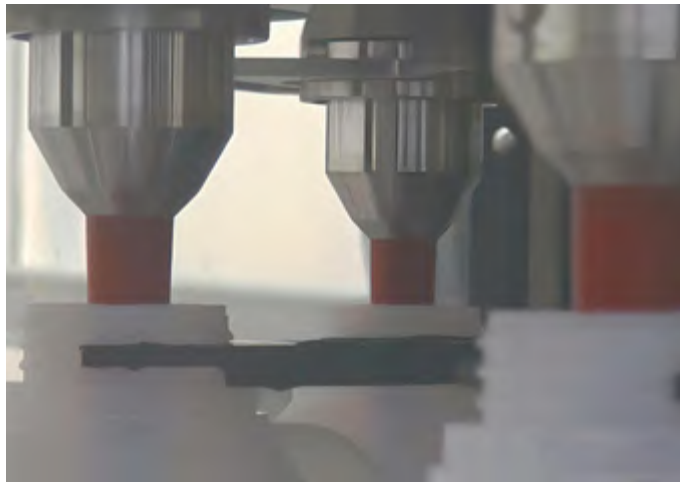


DOSING

OUR FILLING UNITS ARE KNOWN FOR QUALITY, ACCURACY AND FOOD SAFETY



FLOWMETRIC FILLING



NET WEIGHT FILLING



VOLUMETRIC FILLING

Synerlink dosing expertise allows us to meet your needs through:

- Optimized, adaptable design that works well with many machine types, whether they run at low or high speeds.
- High hygienic standard, which aligns with your company's standards.
- Flowmetric is our standard filling technology for liquid and product with low viscosity. Net weight filling solutions on our rotary fillers for liquid and products with low viscosity. Volumetric is our standard solution for products with pieces or high viscosity.



Concentric



Duo



Multilayer



Quatro



Twist



Fruit on Top



Fruit on Bottom



Volcano



Beverage



Beverage
with chunks

HYGIENE AND FOOD SAFETY

LAMINAR FLOW TECHNOLOGY

Laminar flow hoods maintain a safe atmosphere above the sensitive areas of dosing and sealing cups or bottles. The hood consists of a large chamber specifically designed to allow a continuous laminar 45cm/s downstream flow.

Synerlink is a member of the professional association EHEDG (European Hygienic Engineering & Design Group), worldly recognized organization within the Food Industry.

All our filling stations are ultra-clean and CIP able (cleaning-in-place). Sterilization and 3A certification under option.



LEVELS OF HYGIENE	SHELF-LIFE & STORAGE CONDITIONS	PRODUCTS	DECONTAMINATION	DOSING STATION
ULTRA-CLEAN	< 30 days* in cold chain 3-5° C High hygienic level	Fresh products	Lid or lid foil, cup or plastic material (options according to product)	Cleaning-in-Place
REINFORCED ULTRA-CLEAN	< 60 days* in cold chain 3-5° C Extended shelf-life	Fresh products including cold filled pH 7 products	Additional decontamination equipment according to product sensitivity	Sterilizing-in-Place (with steam or chemicals)
ULTRA-CLEAN + HOTFILL	Up to 18 months* at room temperature Long shelf-life	pH <4.5 products + hot fill 85-95°C Shelf-life according to barriers specifications of the primary packaging materials	Lid or lid foil, cup or plastic material (optional)	Cleaning-in-Place
ASEPTIC	Up to 18 months* at room temperature Long shelf-life	Sterile products Shelf-life according to barriers specifications of the primary packaging materials	H ₂ O ₂ sterilization of all the primary packaging materials	Sterilizing-in-Place (with steam or chemicals) + aseptic valves

*Indicative shelf-life only



SYNERLINK PRODUCT BRANDS

Equipment type	THERMOFORMED CUP LINE (FFS)	DAIRY FILLING LINE	FOOD FILLING LINE
Brands	 (arcil)	 (dairypack)	 (hema)
End-of-line			

Our Latest Innovations



Our patented Snapcut technology enables dairy processors to cut and pre-cut PET, PP, and all other recyclable and recycled plastics (PLA, rPET).

(versatech)

Versatech is the brand for customers looking for endless flexibility in Fill-seal solutions

(combiblow)

CombiBlow is the brand for our bottle Fill-seal solutions combining blow molder and filler in the same machine block

OUR PORTFOLIO OF MACHINES

		Speed with 100 ml container							Brand associated		
Technology	Machine Name	10,000	20,000	30,000	40,000	50,000	60,000	70,000	Arcil	Dairy Pack	Herna
Form-Fill-Seal	A3										
	A4										
	A5										
	A7										
Inline Filling (cups)	VERSATECH								Check our latest innovation on the previous page		
	C600										
	C900										
	C1200										
Inline Filling (bottles)	COMBIBLOW								Check our latest innovation on the previous page		
	B250										
	B400										
	B800										
	B1200										
Inline Filling (cans)	CF										
	CS										
Rotary Filling	QS										
	QN/QA/QC										
	VF										

YOGURT & DAIRY DESSERTS



TOWARDS A SUSTAINABLE FUTURE

The pressure coming from regulators, consumers and internal sustainability objectives is aimed at reducing the environmental impact of the dairy production lines. Thus, producers are looking for more sustainable solutions.

With Synerlink's cup thermoforming solutions you can process many different recyclable materials to form your yogurt packaging while optimizing the thickness of the plastic to minimize its use. Thermoforming packaging solutions also help reduce material transportation carbon footprint, to aid you and your company attain your sustainability goals.



MATERIAL DIVERSIFICATION

Product material and recyclability are two of the most relevant concerns for dairy producers. In addition to meeting consumer expectations, the packaging must also meet the brand's standards for quality and price.

Synerlink's industrial engineers work with you to develop and produce the packaging that will meet all your specifications: single-material packaging, reusable materials, recycled materials (rPS, rPP, rPET...), paper-based materials (and others).



ACHIEVING PERFORMANCE GOALS

Production goals, OEE and operational costs are among the success factors of a dairy production line, regardless of the packaging format or the produce recipe. This is why yogurt producers always need to evaluate the equipment solutions that best respond to their performance ambitions.

The efficient piloting, the ergonomics, the optimized maintenance, the easy loading of the consumables are part of the DNA of the machines that we conceive. Our technology is designed to maximize production while improving the wellbeing of the operators and allow ultimate automation.

FACING THE
CHALLENGES

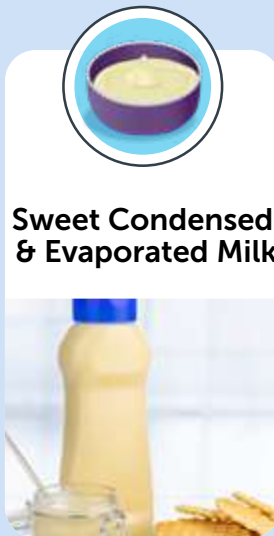
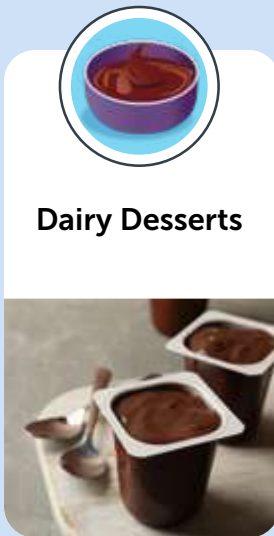
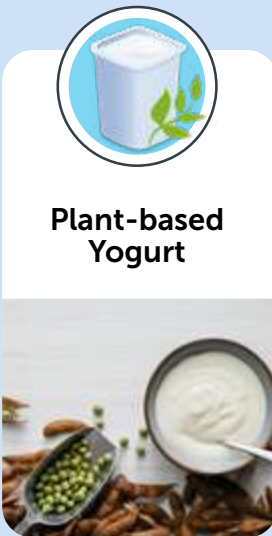
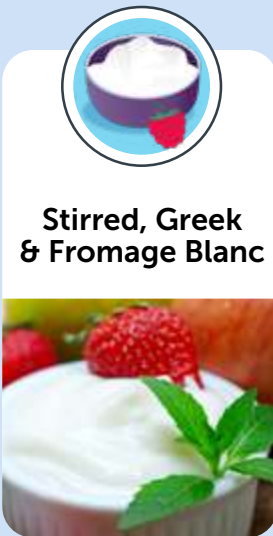
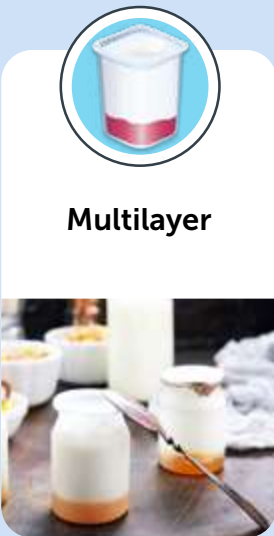
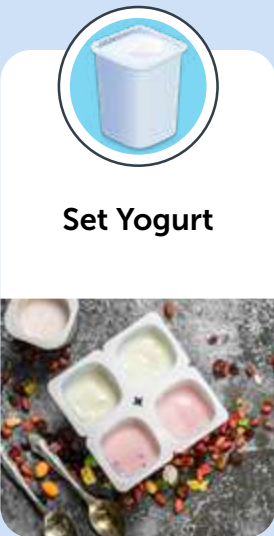
HOW WE
ARE HELPING

CUPS AND JARS

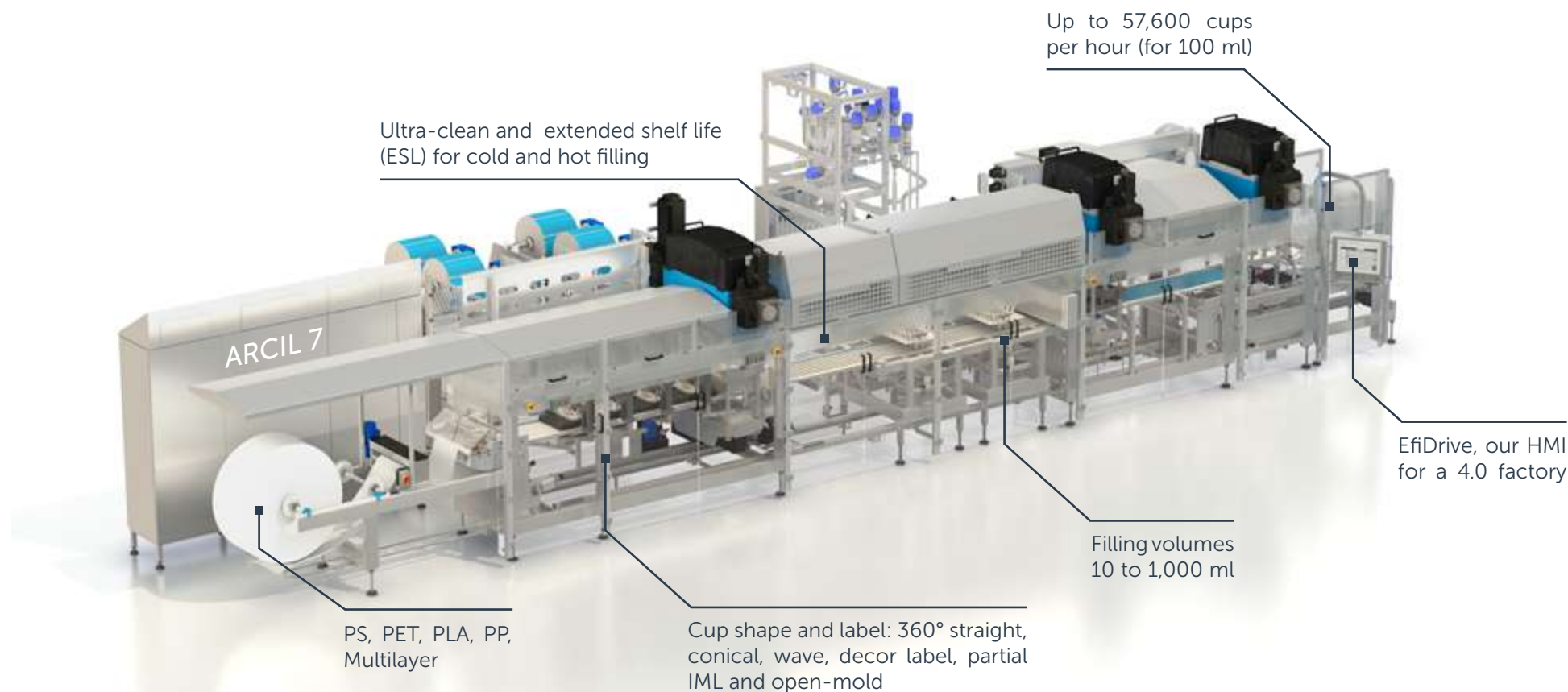
PACKAGING STYLE



PRODUCT TYPE

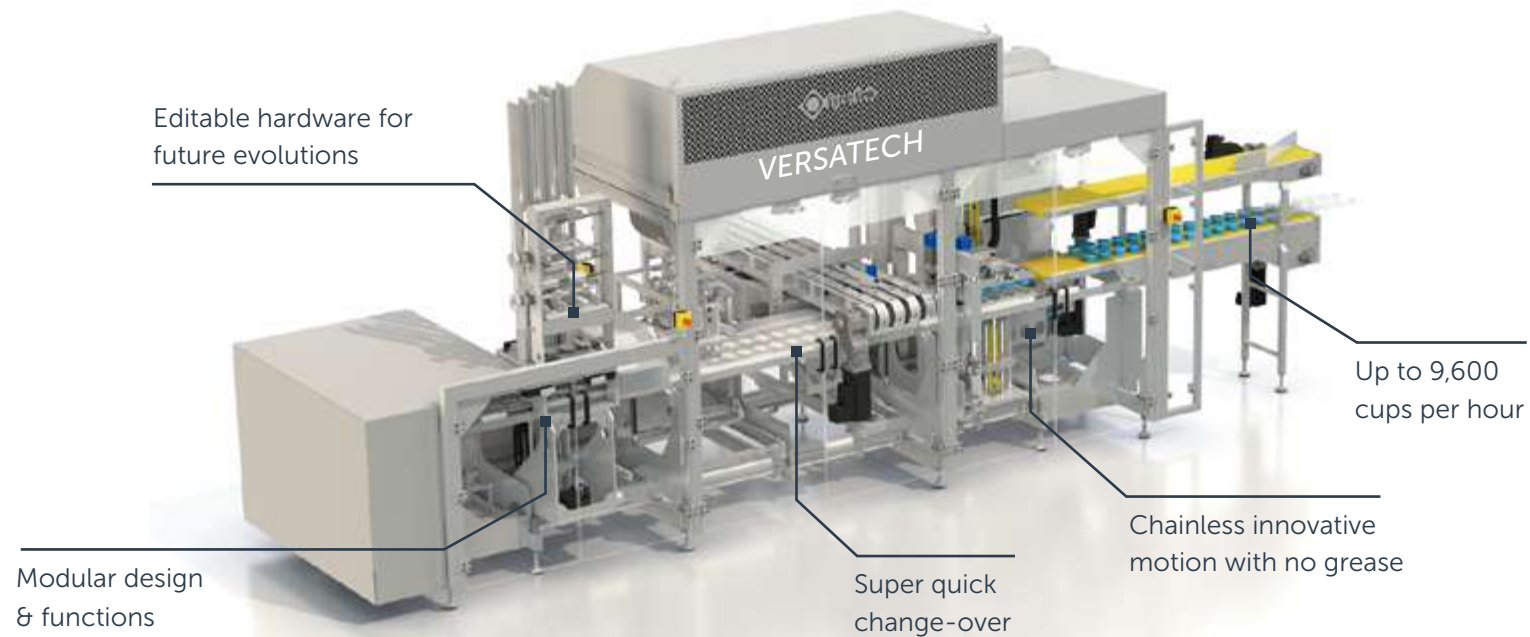


FORM-FILL-SEAL MACHINES FOR CUPS



Thermoformed Cup Filling Machines	Highlights	Material	Cup shape and label	Filling volume	Cups/hour for 100 ml cup
ARCIL 3	Ultra-Compact and affordable Dedicated to small productions and product tests	PS, PP, Multilayer	Mini-portion, 360° straight	80-100 ml (10-40 ml for mini-portion)	2,160 to 14,400 (28,800 for mini-portions)
ARCIL 4	Compact, evolutive, affordable and high capacity	PS, PET, PP, Multilayer	Mini-portion, 360° straight, straight label	80-100 ml (10-40 ml for mini-portion)	14,400 to 21,600 (36,200 for mini-portions)
ARCIL 5	Compact, evolutive and affordable	PS, PET, PLA, PP, Multilayer	360° straight, conical, wave, decor label, partial IML, capping	25-1,000 ml	14,400 to 28,800
ARCIL 7	Modular and evolutive, very high capacity and exceptional ergonomy	PS, PET, PLA, PP, Multilayer	360° straight, conical, wave, decor label, partial IML and open-mold	25-1,000 ml	26,880 up to 57,600

FILLING MACHINES FOR CUPS AND JARS



Inline Filling Machines	Highlights	Materials	Sizes	Options	Filling Volumes	Units/stroke	Units/Hour
DAIRY PACK C600	Compact and competitive	Paper, Plastic, Alum	50 - 120 mm cup ø	1 cup ø	100-1,000 ml	1x4 to 2x6	8,000 to 18,000
DAIRY PACK C900	Compact, easy access, high capacity	Paper, Plastic, Alum, Glass	60 - 160 mm cup ø	Up to 3 cups ø	80-1,500 ml	1x2 to 2x12	12,000 to 30,000
DAIRY PACK C1200	Compact, easy access, high capacity	Paper, Plastic, Alum, Glass	60 - 160 mm cup ø	Up to 3 cups ø	80-1,500 ml	1x2 to 2x16	24,000 to 60,000
VERSATECH	Efficient maintenance, augmented ergonomics, packaging versatility	All materials	40 - 150 mm cup ø	endless ø	100-1,000 ml	2x2	9,600
Rotary Volumetric Fillers	Highlights	Products			Container Size	Filling Volumes	Units/Hour
DAIRY PACK VF	Non-stackable containers	Set Yogurt, Multilayer, Stirred, Greek, & Fromage Blanc, Plant-based Yogurt, Dairy Desserts, Sweet Condensed & Evaporated Milk			ø 170 mm max body	25-1,825 ml	6,000 to 72,000

CREAM & SPREADABLE CHEESE



PACKAGING SHELVES APPEAL

Dairy producers need to reconcile the industrial necessities with product branding. Besides meeting the technical specifications, the packaging equipment solutions need to be able to package a product that respond to the branding needs of the company and stand out on the distribution channels shelves.

Synerlink offers packaging solutions that can fill and seal sour cream and analogous products in a broad range of packaging with different format dimensions. For example, Synerlink solutions can package sour cream in bottles to give your product a unique looking appearance.



TARGET MARKET PACKAGING

Sour cream producers are catering to different end consumer segments. Families and occasional cooks look for smaller portions that can span from 200ml to half a liter, while professional chefs need larger quantities.

Synerlink offers both rotary and inline fill-seal machines to package sour cream in premium looking packaging that responds to your clients' needs. Synerlink packaging options can process different kinds of materials, depending on your needs, from plastic to cardboard and glass of dimensions from 100 ml to 1 liter.



CREAM RECIPES TREND

To increase market share on creamy products, producers are looking into niche markets and diversification. This requires producers to look for packaging equipment that can respond to the packaging need of their specific recipe.

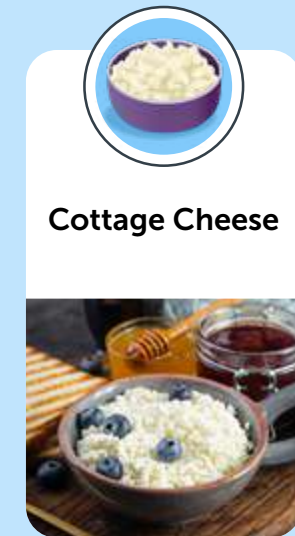
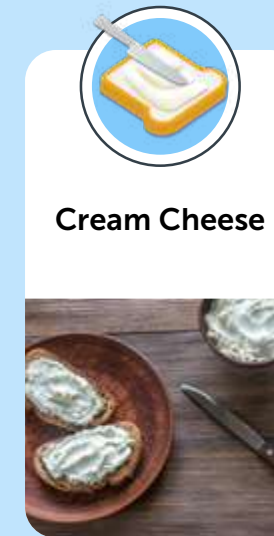
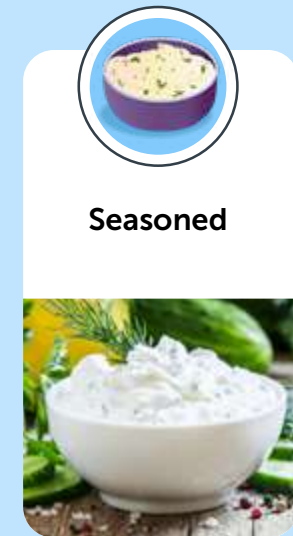
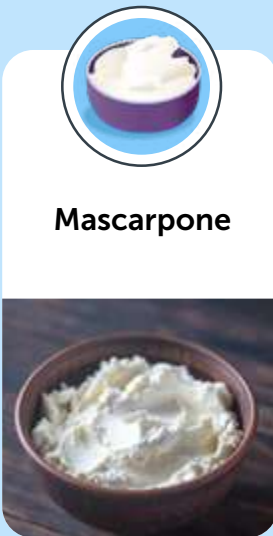
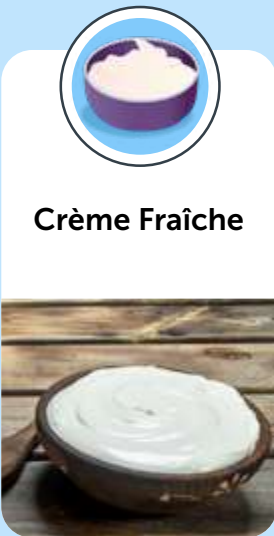
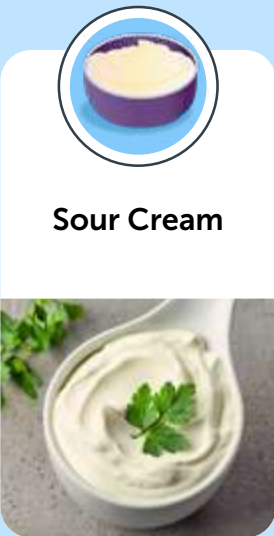
Synerlink develops, designs, and offers solutions for a wide range of different recipes for cream. Starting from the base recipe for sour cream, to plant-based alternatives like almond milk based cream, creamy coconut milk and other vegetable fats.

CUPS & BOTTLES

PACKAGING STYLE



PRODUCT TYPE

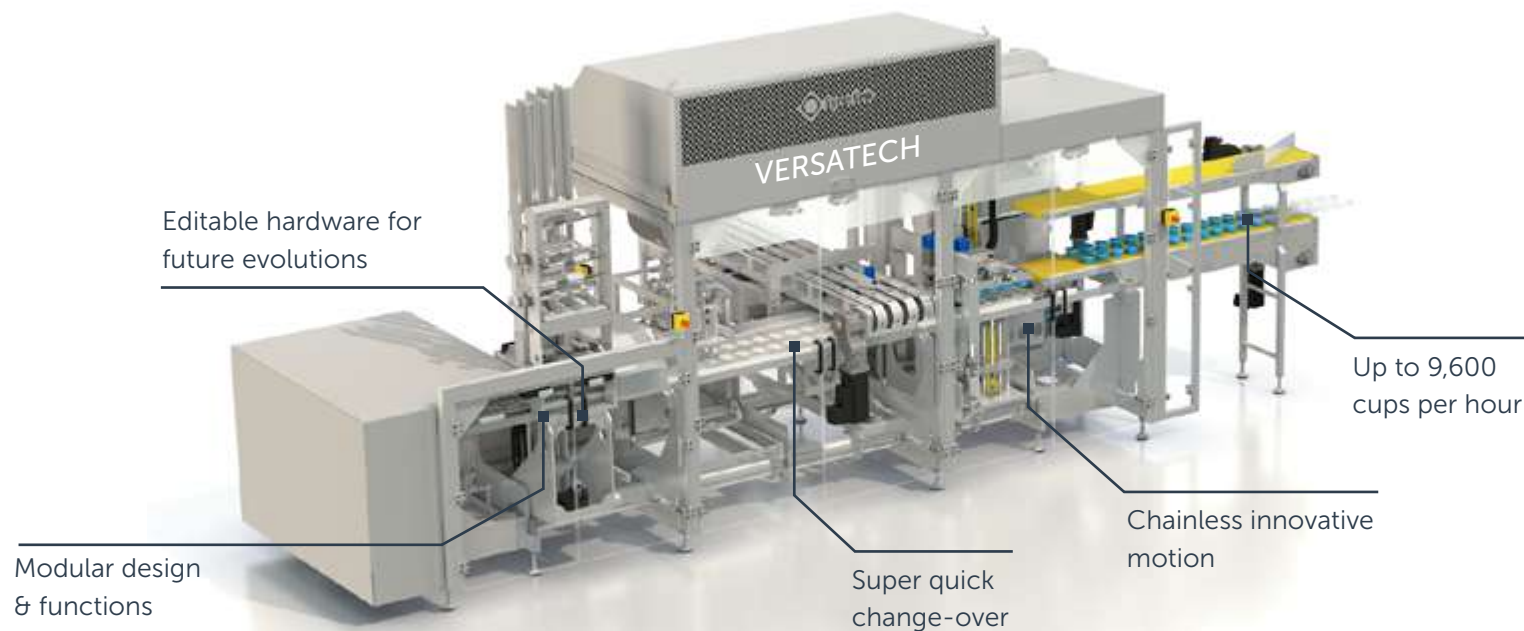


ROTARY FILLING SOLUTIONS



Rotary Volumetric Fillers	Highlights	Products	Container Size	Filling Volumes	Units/Hour
DAIRY PACK VF	Non-stackable containers	Sour Cream, Crème Fraîche, Mascarpone, Seasoned Cream, Cream Cheese, Cottage Cheese	ø 170 mm max body	25-1,825 ml	3,600 to 72,000

INLINE SOLUTIONS



Inline Filling Machines	Highlights	Materials	Sizes	Options	Filling Volumes	Units/stroke	Units/Hour
DAIRY PACK C600	Compact and competitive	Paper, Plastic, Alum	50 - 120 mm cup ø	1 cup ø	100-1,000 ml	1x4 to 2x6	8,000 to 18,000
DAIRY PACK C900	Compact, easy access, high capacity	Paper, Plastic, Alum, Glass	60 - 160 mm cup ø	Up to 3 cups ø	80-1,500 ml	1x2 to 2x12	12,000 to 30,000
DAIRY PACK C1200	Compact, easy access, high capacity	Paper, Plastic, Alum, Glass	60 - 160 mm cup ø	Up to 3 cups ø	80-1,500 ml	1x2 to 2x16	24,000 to 60,000
VERSATECH	Efficient maintenance, augmented ergonomics, packaging versatility	All materials	40 - 150 mm cup ø	endless slats ø	100-1,000 ml	1x2 to 2x2	4,800 to 9,600
Thermoformed Cup Filling Machines	Highlights	Material	Cup shape and label		Filling volume	Cups/hour for 100 ml cup	
ARCIL 5	Compact, evolutive and affordable	PS, PET, PLA, PP, Multilayer	360° straight, conical, wave, decor label, partial IML, capping		25-1,000 ml	14,400 to 28,800	
ARCIL 7	Modular and evolutive, very high capacity and exceptional ergonomy	PS, PET, PLA, PP, Multilayer	360° straight, conical, wave, decor label, partial IML and open-mold		25-1,000 ml	26,880 up to 57,600	

BUTTER & MARGARINE



CONTAMINATION AND HANDLING

Water contamination of butter & margarine is always a concern for producers during the packaging phase of the product. Alongside the correct processing and constant motion of the product in between the processing and filling stages.

Synerlink solutions are designed to handle your product viscosity and to keep the paste under continuous agitation and motion during the filling process. Our filling machine are also designed to prevent any possible water contamination, to ensure the product quality and decrease waste during product disposal.



SPREADABLE FATS RECIPES

The butter and vegetable spreadable fat market is very diverse and producing higher mark-up products means increasing recipe diversification to tap into new market niches. Forcing producers to adapt their packaging to respond to the needs of their specific target markets.

Synerlink develops, designs, and offers packaging solutions for a wide range of different recipes for spreadable fats. Starting from the more common unsalted butter, to plant-based alternatives like margarine or recipes involving dry ingredients like mushrooms, herbs, cacaos and so on.



TARGET MARKET PACKAGING

Spreadable fats producers are catering to different end consumer segments. Horeca consumers are looking for plastic mini-portions for single serves at buffets and meals, while supermarket consumers are attracted to bigger packaging to store more product.

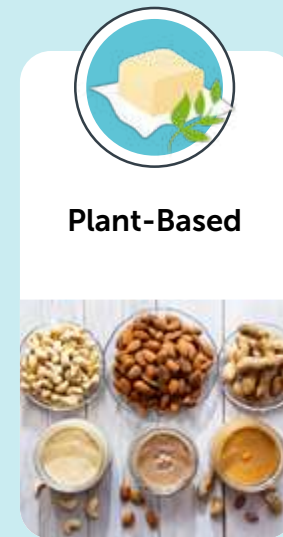
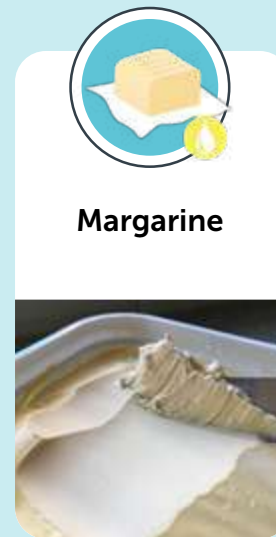
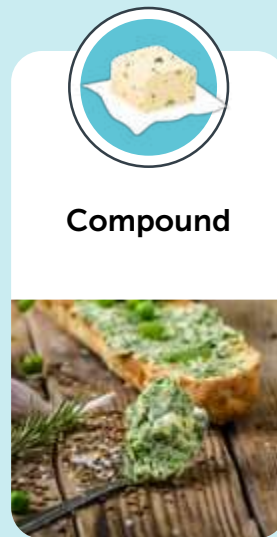
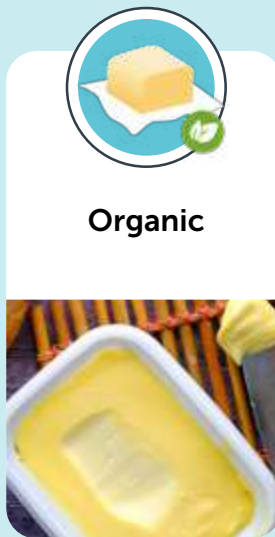
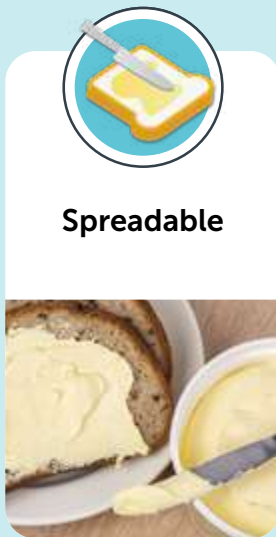
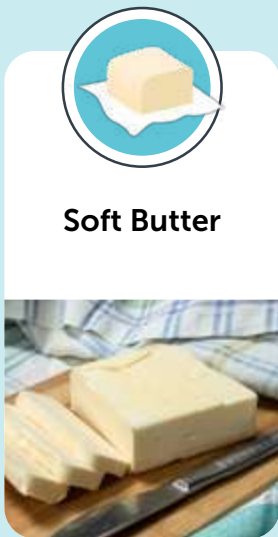
Synerlink offers both form-fill-seal machines as well as fill-seal machines to package spreadable fats in premium looking packaging that responds to your clients' needs. Synerlink packaging options span from plastic mini-portions to trays in plastic, cardboard or even cans to package butters and spreadable fats.

TRAYS AND MINIPORTIONS

PACKAGING STYLE



PRODUCT TYPE



FORM FILL SEAL FOR TRAYS AND MINIPORTIONS



Ambient filling temperature

Filling volumes
10 ml to 250 ml

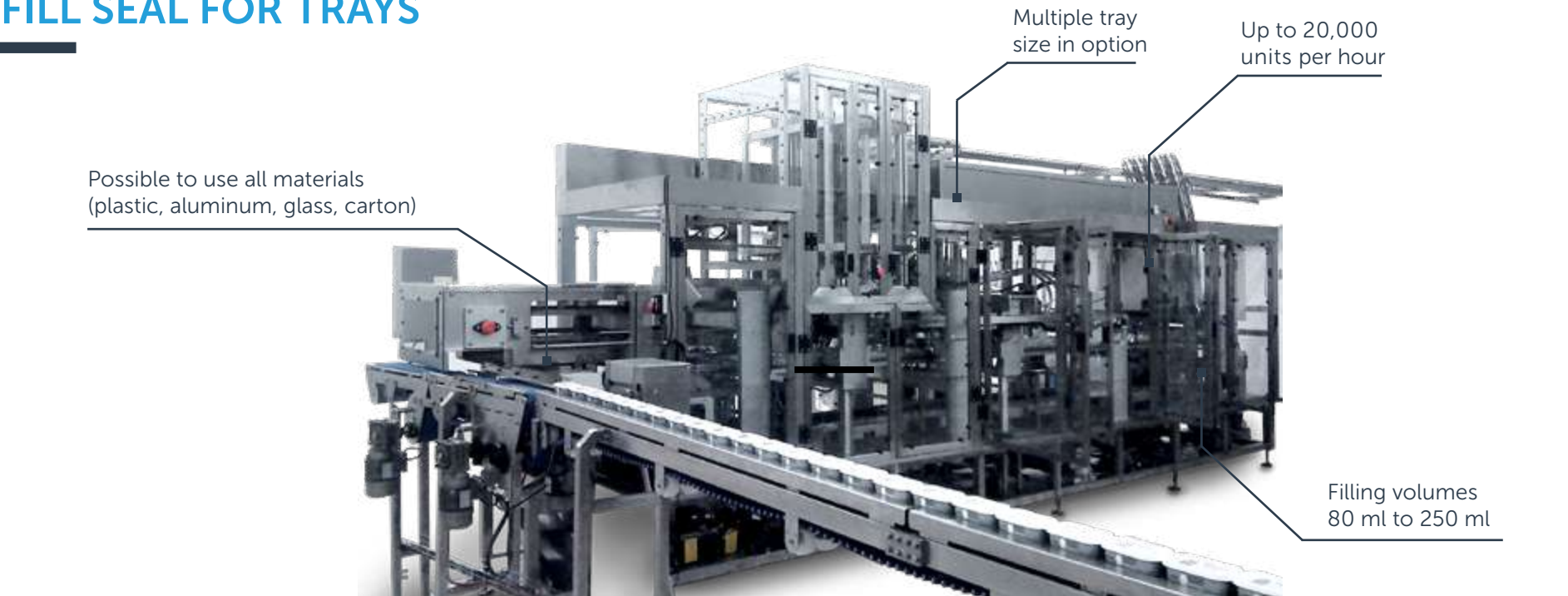
Up to 80,000 units/hour
(for miniportions)

PS, PET, PLA, PP, Multilayer



Thermoformed Cup Filling Machines	Highlights	Material	Cup shape and label	Filling volume	Cups/hour for 100 ml cup
ARCIL 4	Compact, evolutive, affordable and high capacity	PS, PET, PP, Multilayer	Mini Portion, 360° straight, straight label	80-100 ml (10-40 ml for mini-portion)	14,400 to 21,600 (36,200 for mini-portions)
ARCIL 5	Compact, evolutive and affordable	PS, PET, PLA, PP, Multilayer	360° straight, conical, wave, decor label, partial IML, capping	25-250 ml	18,000 to 28,800 (80,000 for mini-portions)

FILL SEAL FOR TRAYS



Inline Filling Machines	Highlights	Materials	Sizes	Options	Filling Volumes	Units/stroke	Units/Hour
DAIRY PACK C600	Compact and competitive	Carton, Plastic, Alum	50 - 120 mm cup ø	1 cup ø	100-250 ml	1x2 to 1x6	6,000 to 9,000
DAIRY PACK C900	Compact, easy access, high capacity	Carton, Plastic, Alum	60 - 160 mm cup ø	Up to 3 cups ø	80-250 ml	1x2 to 1x8	8,000 to 18,000
VERSATECH	Efficient maintenance, augmented ergonomics, packaging versatility	All materials	40 - 150 mm cup ø	endless ø	100-250 ml	1x2 to 2x2	4,800 to 9,600
HEMA CANFILL	Dedicated to can filling	Metal and Glass Cans	ø 103 mm max body 203 mm max height	1 can ø	100-5,000 ml	1 or 2 lines	1,800 to 24,000

BEVERAGE



FILLING WITH EXPERIENCE

Producers are wary of the several specifications that need to be considered when packaging beverages. In-depth knowledge and experience are among the factors to evaluate in a supplier.

Our experience and technical capabilities help you ensure product quality during the delicate filling and dosing phase of the production line of dairy beverage, non-gaseous fruit-based beverages and much more.



LOCAL AFTERSALE

Throughout the machine lifecycle, maintenance and debugging are fundamental to keep production standards, output, and schedule. Partnering with a supplier that has a global presence with local teams can make the difference for a production line.

Synerlink is always close to you. Thanks to our global presence with our local teams, warehouses, and field service, you can count on an aftersales and maintenance service that answers your specific needs at all time.



TOWARDS A SUSTAINABLE FUTURE

Beverage's producers are looking for increasingly better sustainable solutions to package their product. The pressure coming from regulators, consumers and internal sustainability objectives is aimed at reducing the environmental of the production lines.

With Synerlink's bottle blowing solutions you can optimize your warehouse floorspace to make sure to consciously exploit your resources to the fullest and diminish waste. These solutions also help reduce your material transportation carbon footprint, to help you and your company attain your sustainability goals.

FACING THE CHALLENGES

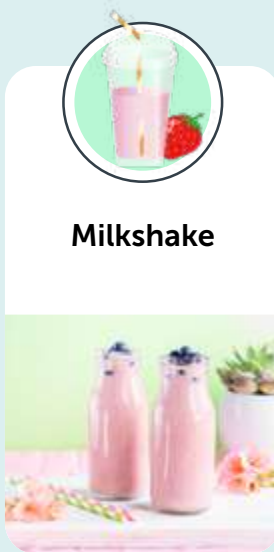
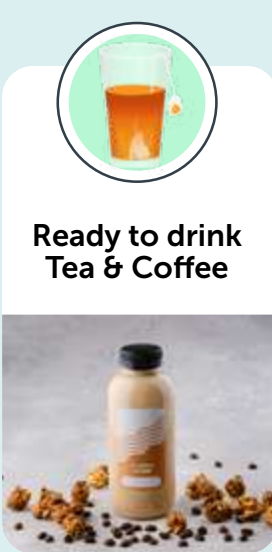
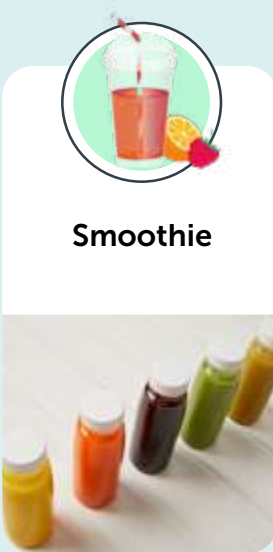
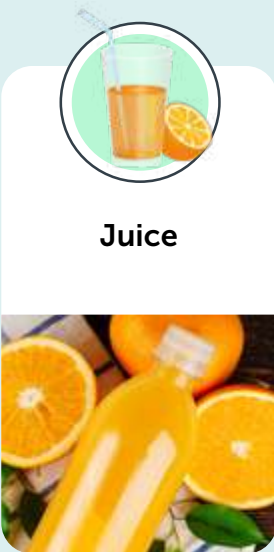
HOW WE ARE HELPING

BOTTLES & CANS

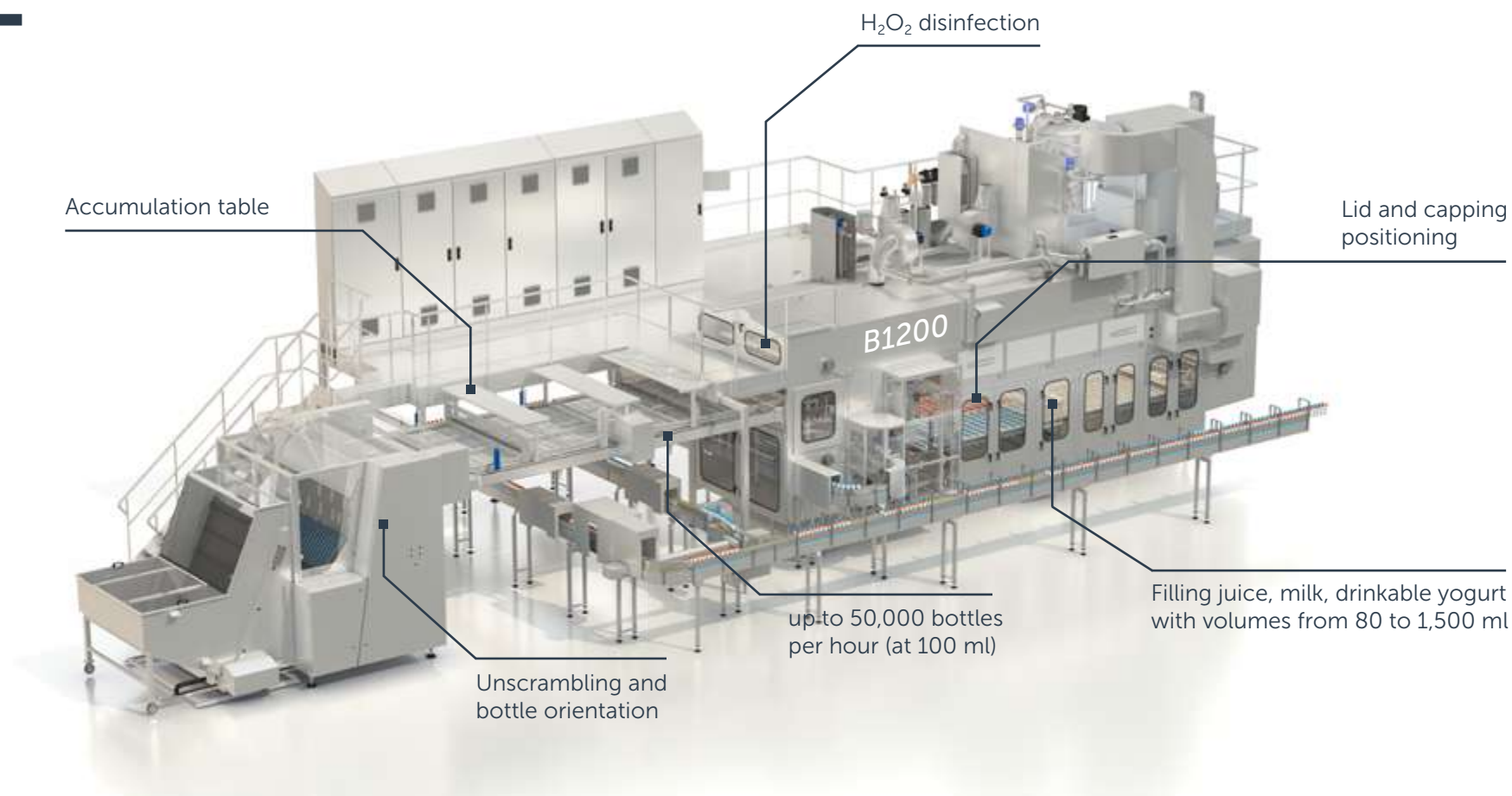
PACKAGING STYLE



PRODUCT TYPE

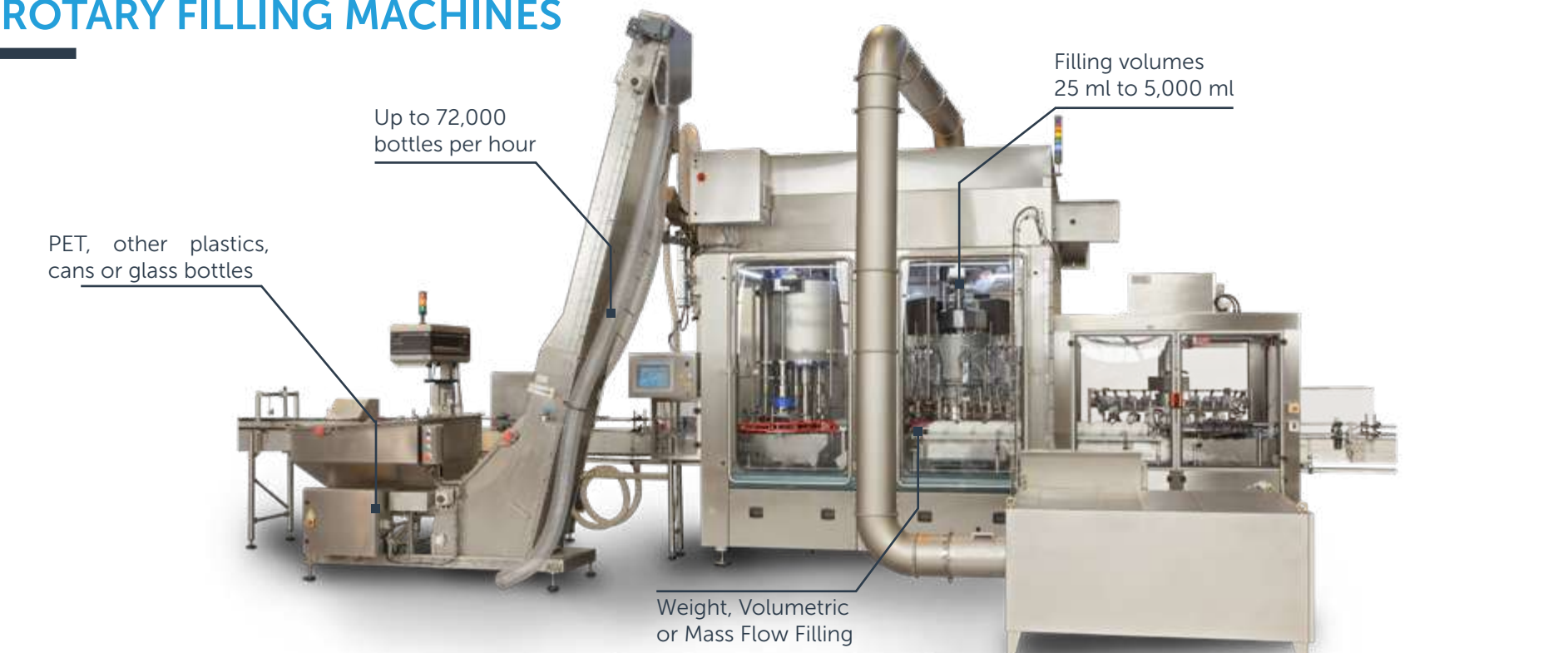


INLINE FILL-SEAL BOTTLE FILLERS



Inline Bottle Filling Machines	Highlights	Materials	Sizes	Options	Filling Volumes	Units/stroke	Units/Hour
DAIRY PACK B250	High cost efficiency Compact with easy access	PET, HDPE, PP, PS	ø 40 to 56 mm body	1 or 2 neck diam	80-270 ml	1x3	up to 6,000
DAIRY PACK B400	High cost efficiency Compact with easy access	PET, HDPE, PP, PS	ø 40 to 88 mm body	1 or 2 neck diam	80-1,500 ml	1x4, 1x5 or 1x6	up to 12,000
DAIRY PACK B800	High flexibility Compact with easy access	PET, HDPE, PP, PS	ø 40 to 88 mm body	1 or 2 neck diam	80-1,500 ml	2x4, 2x5 or 2x6	up to 24,000
DAIRY PACK B1200	High flexibility	PET, HDPE, PP, PS	ø 40 to 92 mm bod	1 or 2 neck diam	80-1,000 ml	1x24	up to 50,000
COMBIBLOW	High flexibility Compact with easy access	PET	ø 40 to 88 mm body	1 or 2 neck diam	80-1,500 ml	1x8	up to 8,000

ROTARY FILLING MACHINES



Rotary Volumetric Fillers	Highlights	Products	Container Size	Filling Volumes	Units/Hour
DAIRY PACK VF	Filling of high viscosity products and chunks of 50x50x25 mm	Drinkable Yogurt, Juice, Smoothie, Tea & Coffee, Bubble Tea, Milkshake	ø 170 mm max body	25-1,825 ml	3,600 to 72,000
Rotary Weight Fillers	Highlights	Products	Container Size	Filling Volumes	Units/Hour
DAIRY PACK QS	Dedicated to the sensitive dairy products market	Drinkable yogurt, Probiotics, Vegetal milk, Flavoured milk	ø 210 mm max body	80-5,000 ml	6,000 to 40,000

SAUCES & DRESSINGS



PRODUCT FILLING REQUIREMENTS

Sauces and prepared food producers are concerned with entrusting the correct packaging equipment supplier to be able to rely on in-depth technical knowledge to ensure accurate, smooth, and hygienic product filling that does not temper with the product recipe or the packaging.

The technical knowledge of integrated packaging solutions is enhanced by Synerlink's long experience in serving sauces and prepared foods producers around the world. Our technical solutions help you handle liquid, foamy, viscous, or even products that contain chunks to ensure smooth and accurate filling.



THE RIGHT PACKAGING CHOICES

Besides meeting the technical specifications, the packaging equipment solutions need to be able to produce and package the product in formats that respond to the branding needs of the company and stand out on the distribution channels shelves.

Synerlink's machines are designed to adapt to your needs and specifically to your customer's needs. For this reason, Synerlink machines can fill metal, glass, cardboard and plastic packaging, of a variety of shapes and dimensions.



HYGIENE STANDARDS

Regulators are increasingly asking producers to maintain high hygiene product standards. Both during the processing phase and the packaging phase, all producers are concerned with maintaining the right environment to ensure the product requirements are met.

Our filling machines can be 3A certified to ensure the respect of hygiene standards throughout the industry. Synerlink is an EHEDG member and contributes to improving the industry standards. We also offer solutions to our customers to meet their hygiene requirements.

FACING THE
CHALLENGES

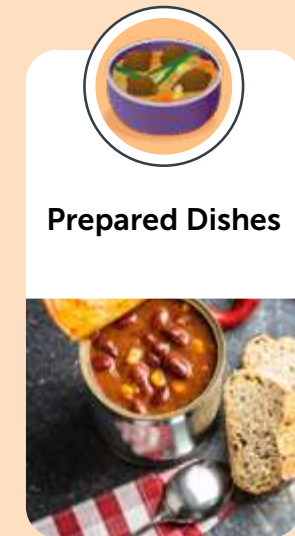
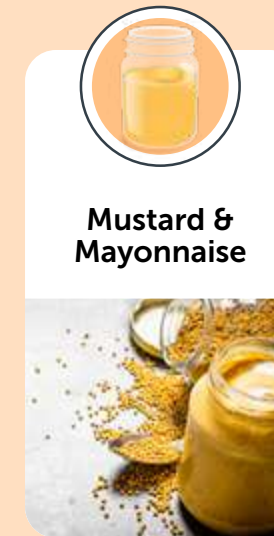
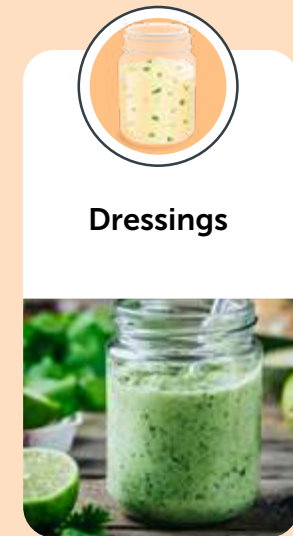
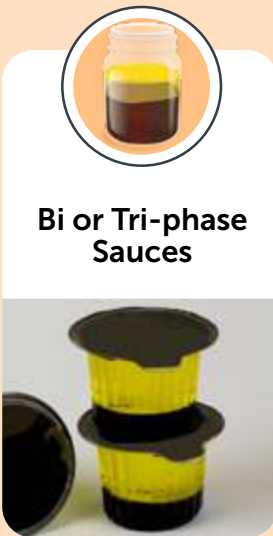
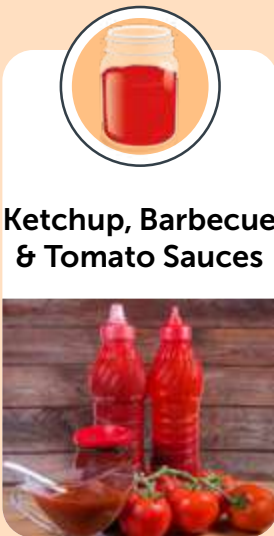
HOW WE
ARE HELPING

JARS, BOTTLES & CANS

PACKAGING STYLE



PRODUCT TYPE



ROTARY FILLING MACHINES - ELECTRONIC



Rotary Weight Fillers	Highlights	Products	Container Size	Filling Volumes	Units/Hour
HEMA QN	Dedicated to the sauce and dressings market	Ketchup, Barbecue, Tomato, Oyster, Chili, Soy, Bi or Tri-phase Sauces, Dressings, Mustard, Mayonnaise	ø 210 mm max body	80-5,000 ml	6,000 to 40,000

ROTARY FILLING MACHINES - MECHANICAL



Rotary Volumetric Fillers	Highlights	Products	Container Size	Filling Volumes	Units/Hour
HEMA VF	Filling of high viscosity products and chunks of 50x50x25 mm	Ketchup, Barbecue, Tomato, Oyster, Chili, Soy, Bi or Tri-phase Sauces, Dressings, Mustard, Mayonnaise, Prepared meals	ø 170 mm max body	25-1,825 ml	3,600 to 72,000

EDIBLE OIL



RECIPE HANDLING AND FILLING

The edible oil market is a very diverse sector, where the right packaging equipment varies according to your product recipe, requiring producers to look for packaging equipment that can meet the packaging needs of their specific product.

The technical knowledge of integrated packaging solutions for the edible oil is enhanced by Synerlink's long experience in serving oil producers around the world. Our technical solutions can package your product in a range of different sizes and materials, and they can handle a variety of different edible oils, from sunflower oil to palm oil, while ensuring that the product is filled at the required temperature.



OXIDATION, SHELF LIFE AND TRANSPORTATION

Ensuring the correct handling of the product determines the shelf life and the quality of the edible oil. Whether it regards the oxidation or the product temperature. Edible oil producers are looking at solutions that can truly respond to this need while ensuring the packaging solidity.

Synerlink offers solutions that are studied to ensure your product shelf life and prevent oil oxidation. The right environment temperature, prevention of oxidation and strengthening bottle solidity for transportation are among the solutions that Synerlink offers to edible oil producers.



ACHIEVING PERFORMANCE GOALS

Production goals, recipes handling, and waste minimization are all success factors when packaging edible oil. The production line needs to rely on a supplier that has taken these factors into consideration during the machine design phase.

Synerlink filling and capping machines are conceived to help you reach your performance goals and optimize the recipe change process. Our packaging equipment allows cost-efficient recipe changes for the cleaning, rinsing process and to minimize product waste thanks to its optimized filling tanks.

FACING THE CHALLENGES

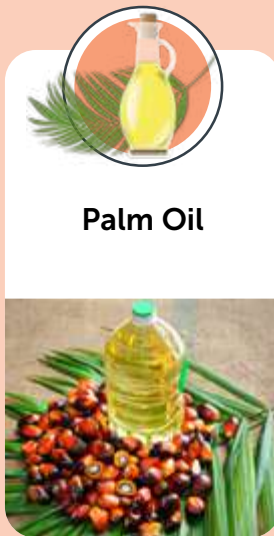
HOW WE ARE HELPING

BOTTLES & CUPS

PACKAGING STYLE



PRODUCT TYPE



FORM-FILL-SEAL MACHINES FOR MINIPORTIONS



Thermoformed Cup Filling Machines	Highlights	Material	Cup shape and label	Filling volume	Cups/hour for 100 ml cup
ARCIL 5	Compact, evolutive and affordable	PS, PET, PLA, PP, Multilayer	360° straight, conical, wave, decor label, partial IML, capping	25-250 ml	14,400 to 28,800 (80,000 for miniportions)

ROTARY FILLING MACHINES



Rotary Volumetric Fillers	Highlights	Products	Container Size	Filling Volumes	Units/Hour
HEMA QA	Dedicated to the edible oil market, also available in Combi with the same specs	Edible Oil, Olive Oil, Sunflower Oil, Rapeseed Oil, Groundnut Oil	ø 210 mm max body	80-5,000 ml	6,000 to 40,000
COMBI	High flexibility, compact with easy access	Edible Oil, Olive Oil, Sunflower Oil, Rapeseed Oil, Groundnut Oil	ø 40 to 88 mm body	80-1,500 ml	4,000 to 8,000

SWEETENED PRODUCTS



HANDLING VISCOSITY FILLING

The filling of lower, higher viscosity and products with chunks require specific knowledge and technical solutions. Producers need to rely on suppliers with a long experience in handling these kinds of products and that developed the correct technical solutions.

The technical knowledge of integrated packaging solutions is enhanced by Synerlink's long experience in serving sweetened products producers around the world. Our thread cutting technical capabilities for filling help us ensure smooth and accurate product filling, whether it is a low viscosity liquid product, a high viscosity liquid product or even if it contains chunks.



THE RIGHT PACKAGING CHOICES

Besides meeting the technical specifications, the packaging equipment solutions need to be able to produce and package the product in formats that respond to the branding needs of the company and stand out on the distribution channels shelves.

Synerlink's machines are designed to adapt to your needs and specifically to your customer's needs. For this reason, Synerlink machines can fill metal, glass, cardboard, and plastic packaging, of a variety of shapes and dimensions.



QUALITY AND HYGIENE

Regulators and consumers are asking producers to maintain high hygiene and quality product standards. Whether during the processing phase and the packaging phase, all producers are concerned with maintaining the right environment to ensure that all product requirements are met. With honey for example, to avoid air inclusion, we add a bottom filling device.

Synerlink's complex technical solutions for filling sweetened products can maintain higher temperatures that ensure both the quality of the product and the hygiene level without tempering with the packaging.

FACING THE
CHALLENGES

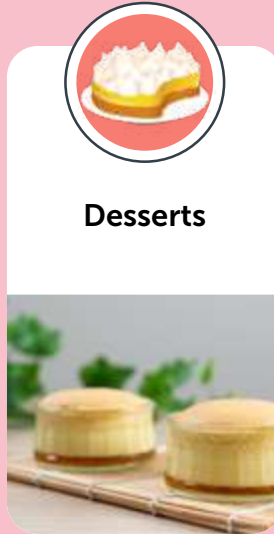
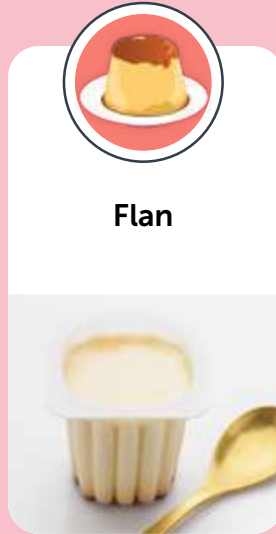
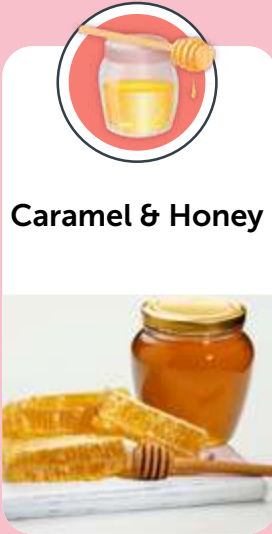
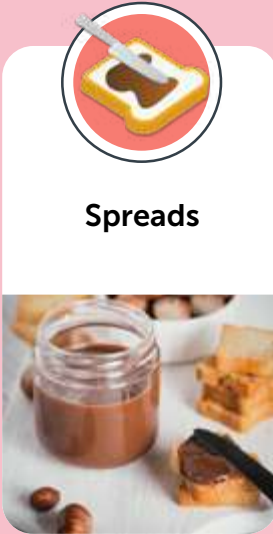
HOW WE
ARE HELPING

CUPS, JARS, BOTTLES AND CANS

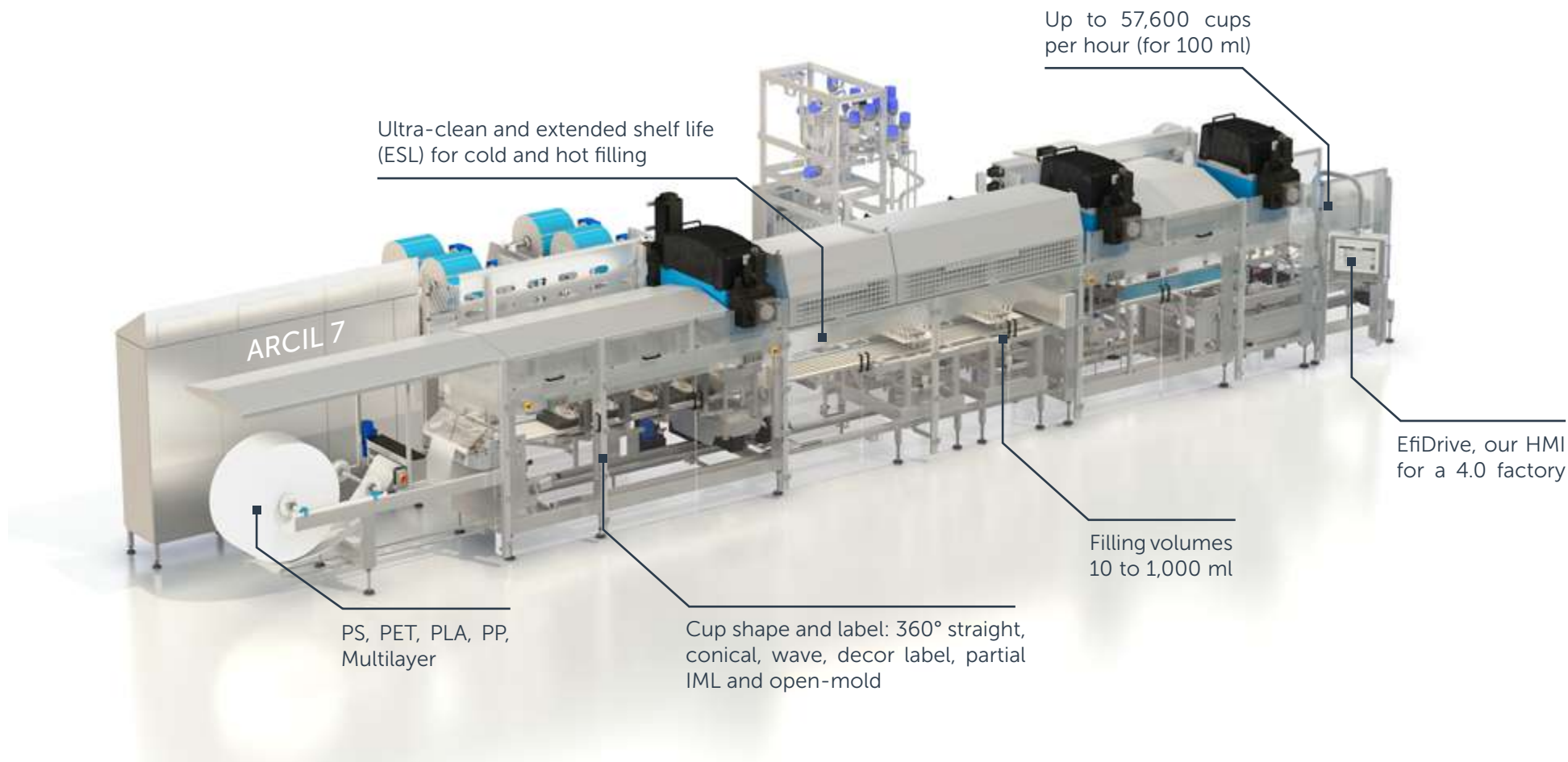
PACKAGING STYLE



PRODUCT TYPE



FORM-FILL-SEAL MACHINES FOR CUPS



Thermoformed Cup Filling Machines	Highlights	Material	Cup shape and label	Filling volume	Cups/hour for 100 ml cup
ARCIL 3	Ultra-Compact and affordable Dedicated to small productions and product tests	PS, PP, Multilayer	Mini portion, 360° straight	80-100 ml (10-40 ml for mini-portion)	2,160 to 14,400 (28,800 for mini-portions)
ARCIL 4	Compact, evolutive, affordable and high capacity	PS, PET, PP, Multilayer	Mini Portion, 360° straight, straight label	80-100 ml (10-40 ml for mini-portion)	14,400 to 21,600 (36,200 for mini-portions)
ARCIL 5	Compact, evolutive and affordable	PS, PET, PLA, PP, Multilayer	360° straight, conical, wave, decor label, partial IML, capping	25-1,000 ml	14,400 to 21,600
ARCIL 7	Modular and evolutive, very high capacity and exceptional ergonomy	PS, PET, PLA, PP, Multilayer	360° straight, conical, wave, decor label, partial IML and open-mold	25-1,000 ml	26,880 to 57,600

FILLING MACHINES FOR CUPS, JARS, BOTTLES AND CANS



Inline Filling Machines	Highlights	Materials	Sizes	Options	Filling Volumes	Units/stroke	Units/Hour
HEMA C600	Compact and competitive	Paper, Plastic, Alum	50 - 120 mm cup ø	1 cup ø	100-1,000 ml	1x2 to 2x6	8,000 to 18,000
HEMA C900	Compact, easy access, high capacity	Paper, Plastic, Alum, Glass	60 - 160 mm cup ø	Up to 3 cups ø	80-1,500 ml	1x2 to 2x12	12,000 to 30,000
HEMA C1200	Compact, easy access, high capacity	Paper, Plastic, Alum, Glass	60 - 160 mm cup ø	Up to 3 cups ø	80-1,500 ml	1x2 to 2x16	24,000 to 60,000
VERSATECH	Efficient maintenance, augmented ergonomics, packaging versatility	All materials	40 - 150 mm cup ø	endless ø	100-1,000 ml	1x2 to 2x2	4,800 to 9,600
Rotary Volumetric Fillers	Highlights	Products			Container Size	Filling Volumes	Units/Hour
HEMA VF	Filling of high viscosity products and chunks of 50x50x25 mm	Jam & Jellies, Fruit Compote, Spreads, Caramel & Honey, Flan, Desserts			ø 170 mm max body	25-1,825 ml	3,600 to 72,000

MEAT, FISH & PET FOOD



PRODUCT HANDLING AND SHELF LIFE

Meat, fish and petfood producers are always concerned with the quality of the packaging equipment to reliably handle the product paste recipe and provide top notch filling, sealing and seaming solutions.

The technical knowledge of integrated packaging solutions for canned foods is enhanced by Synerlink's long experience in serving meat, fish and petfood producers around the world. Our technical solutions for filling, seaming, or sealing help you to handle your products accurately and reliably while ensuring the quality and the shelf life of your product.



SEAMING TECHNOLOGY ACCURACY

Accurate dosing of meat and petfood in cans determines both the quality of the packaging and the quality of the final product. Thus, producers are always concerned with this aspect during the selection of their packaging equipment.

Synerlink technical capabilities for dosing and removing oxygen before the seaming, prevents excessive oxidation and thus ensure your product integrity (for luncheon and corned beef applications).



PACKAGING FORMATS

Besides meeting the technical specifications, the packaging equipment solutions need to be able to produce and package the product in formats that respond to the branding needs of the company and stand out on the distribution channels shelves.

Synerlink filling and seaming machines package meat, fish and petfood and fill a wide range of can formats, from the common round and rectangular cans, to tronconical and pear-shaped cans and so much more. Synerlink has been able to develop these technologies throughout the years while serving more than 400 meat and petfood producers worldwide.

FACING THE
CHALLENGES

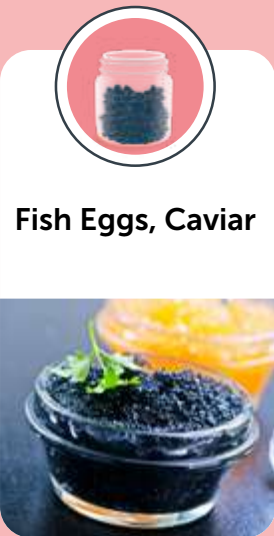
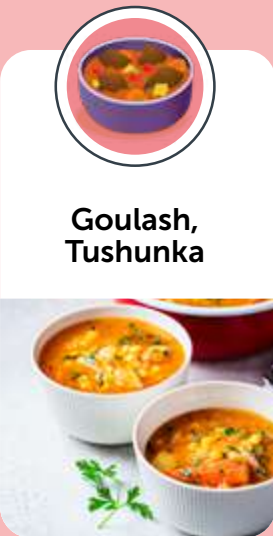
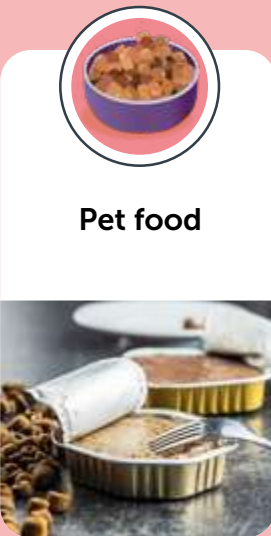
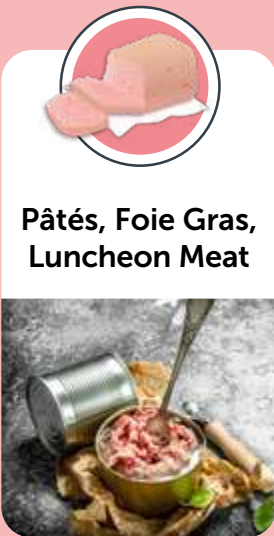
HOW WE
ARE HELPING

GLASS CONTAINERS & CANS

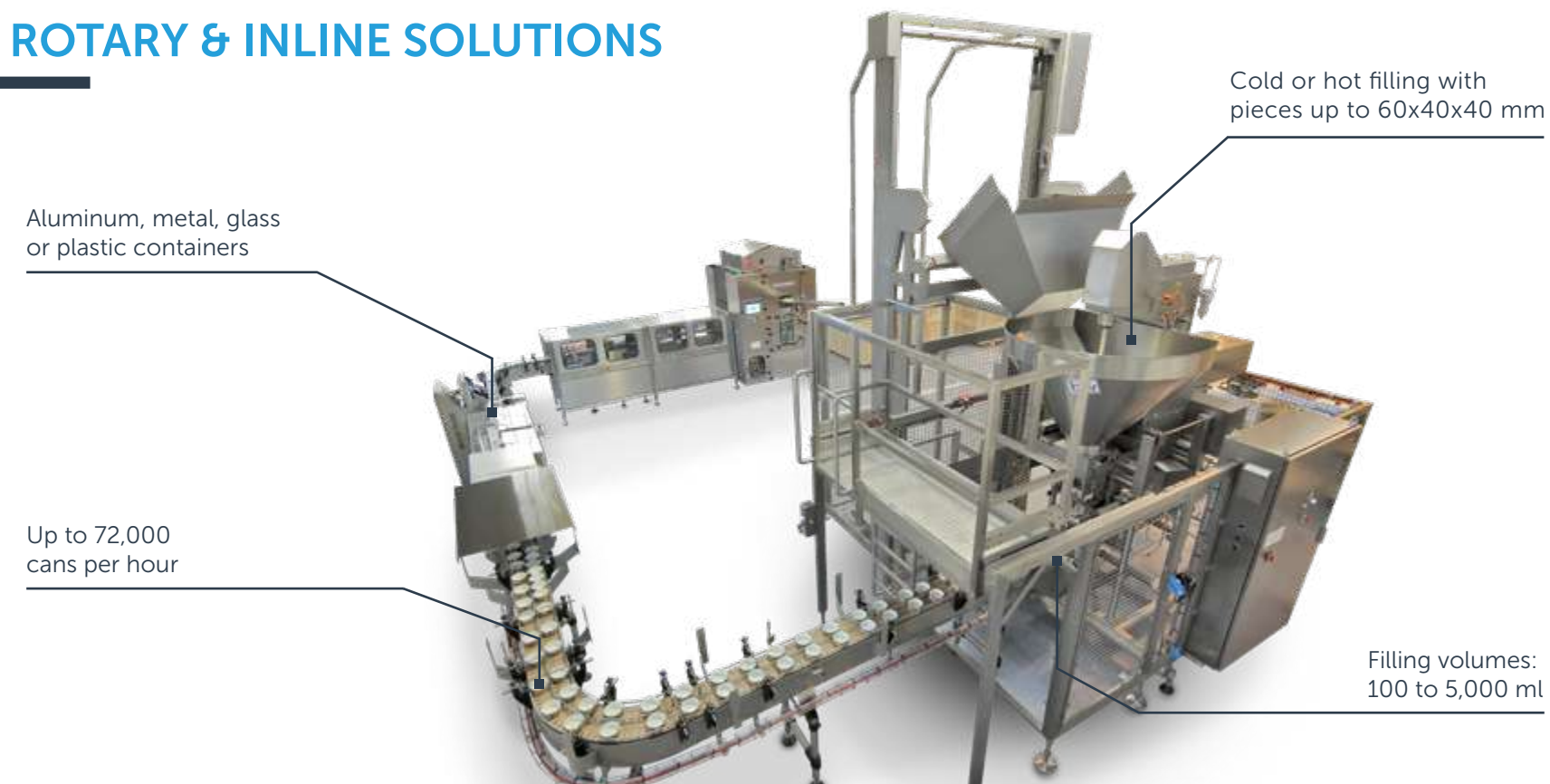
PACKAGING STYLE



PRODUCT TYPE

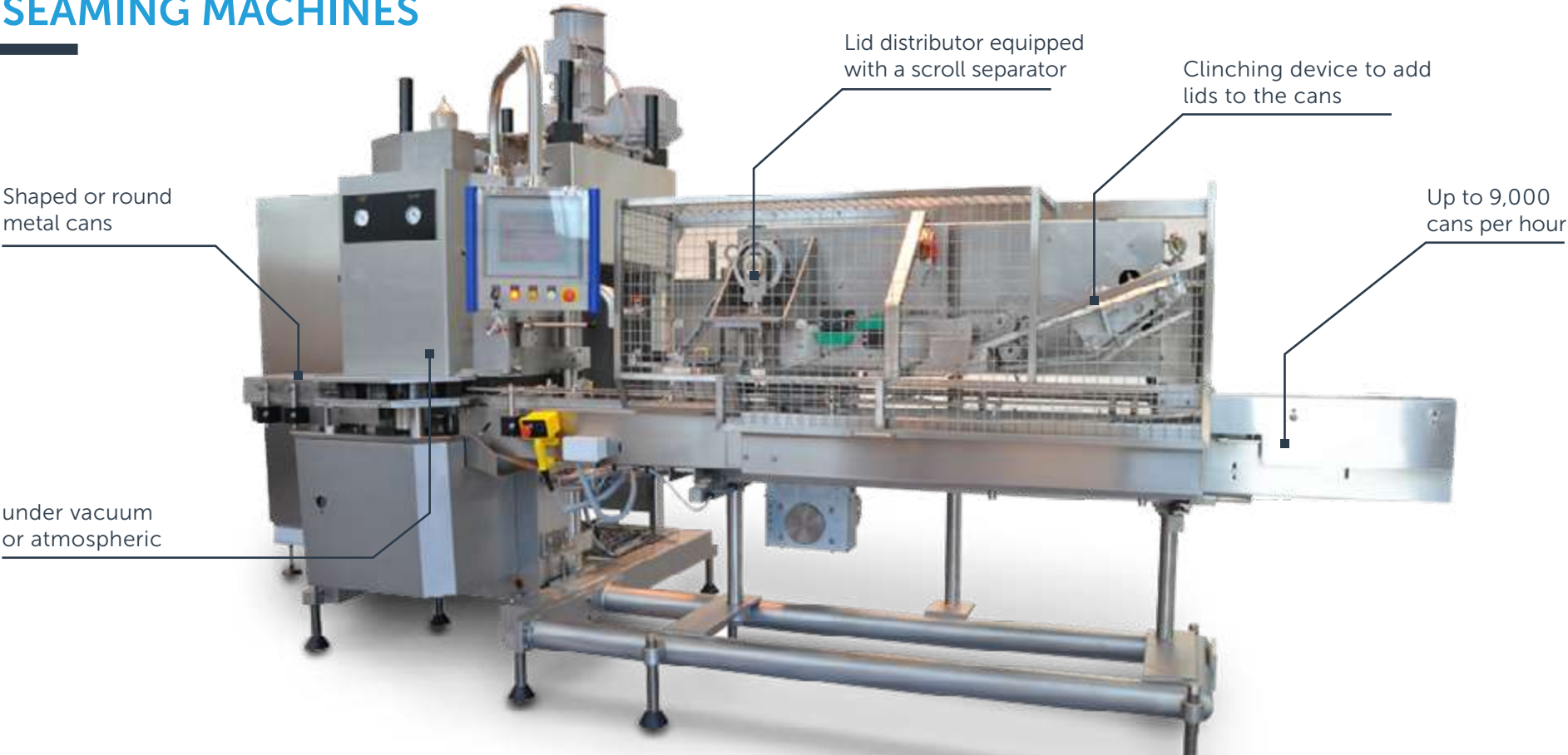


ROTARY & INLINE SOLUTIONS



Rotary Volumetric Fillers	Highlights	Products	Container Size	Filling Volumes	Units/Hour
HEMA CANFILL	Dedicated to the meat and fish based products and pet food markets	Corned Beef, Pâtés, Foie Gras, Luncheon Meat, Pet food, Goulash, Tushunka, Fish Eggs, Caviar, Fish flakes, Cod liver	ø 103 mm max body 203 mm max height	100-5,000 ml	1,800 to 24,000
HEMA VF	Filling of liquid pâté with high viscosity with or without chunks	Pâtés, Pet food, Goulash	ø 170 mm max body	25-1,825 ml	3,600 to 72,000

SEAMING MACHINES



Inline Seamers	Highlights	Products	Container Size	Filling Volumes	Units/Hour
HEMA CANSEAM	Inline can seamer at high speed under vacuum or atmospheric	Seaming of round and shaped cans	ø 45 to 155 mm Diag 45 to 170 mm H 20 to 250 mm	100-5,000 ml	4,800 to 9,000

HOME CARE & PERSONAL CARE



YOUR CHOICE ON PACKAGING

Besides meeting the technical specifications, the packaging equipment solutions need to be able to produce and package the product in formats that respond to the branding needs of the company and stand out on the distribution channels shelves.

Synerlink's machines are designed to adapt to your needs and specifically to your customer's needs. For this reason, Synerlink machines can fill a variety of different shapes and formats as well as different types of packaging materials, including PET and HDPE.



EXPERTISE WITH EXPERIENCE

Dealing with experienced suppliers with global reach is fundamental to entrust a packaging equipment supplier to design and develop solutions that are targeted to the specific production needs.

Synerlink solutions for homecare and personal care products are what you need if you are looking for a line that combine filling accuracy, high speed and efficiency. On top of our machine expertise, we also have experienced teams that will continue to support you after installation.



MEET YOUR PERFORMANCE GOALS

Home care and personal care producers usually handle various products as well as various packaging formats to fulfil their production and portfolio requirements. Obliging them to seek solutions that can respond to these needs while reaching all other production goals.

Synerlink integrated filling lines are conceived to help you reach your performance goals and are customized to your specific range of products. Our packaging equipment can handle several products on the same line with fast format changeover to respect your production needs in terms of quantity and in terms of product range.

FACING THE
CHALLENGES

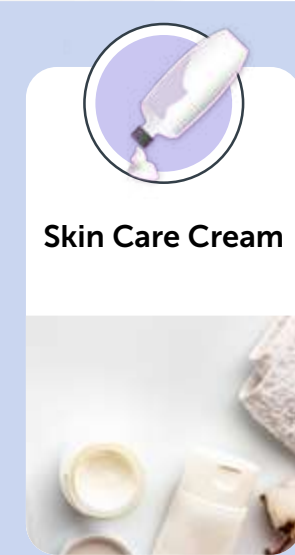
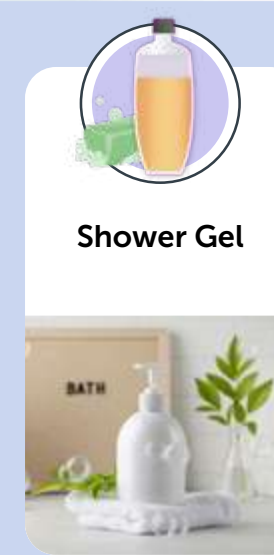
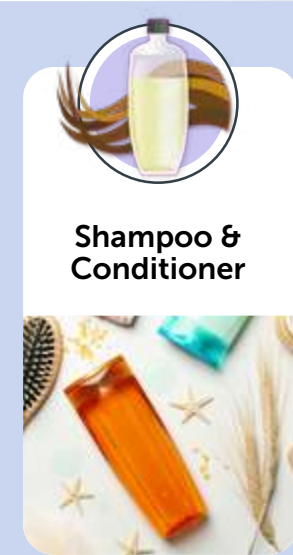
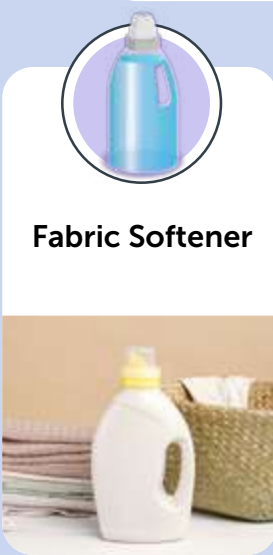
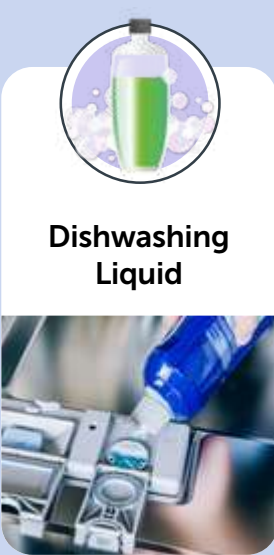
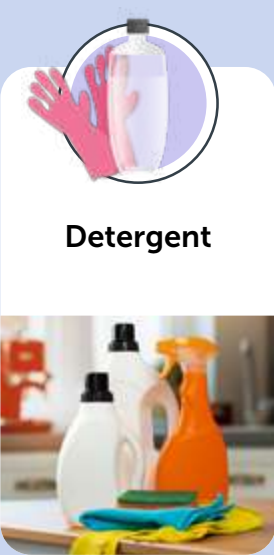
HOW WE
ARE HELPING

BOTTLES

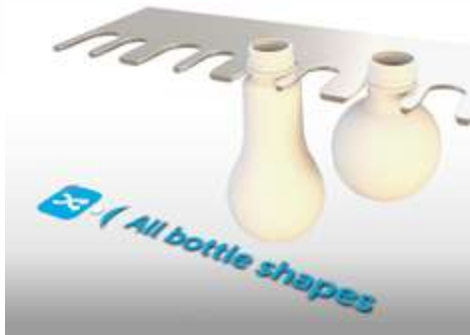
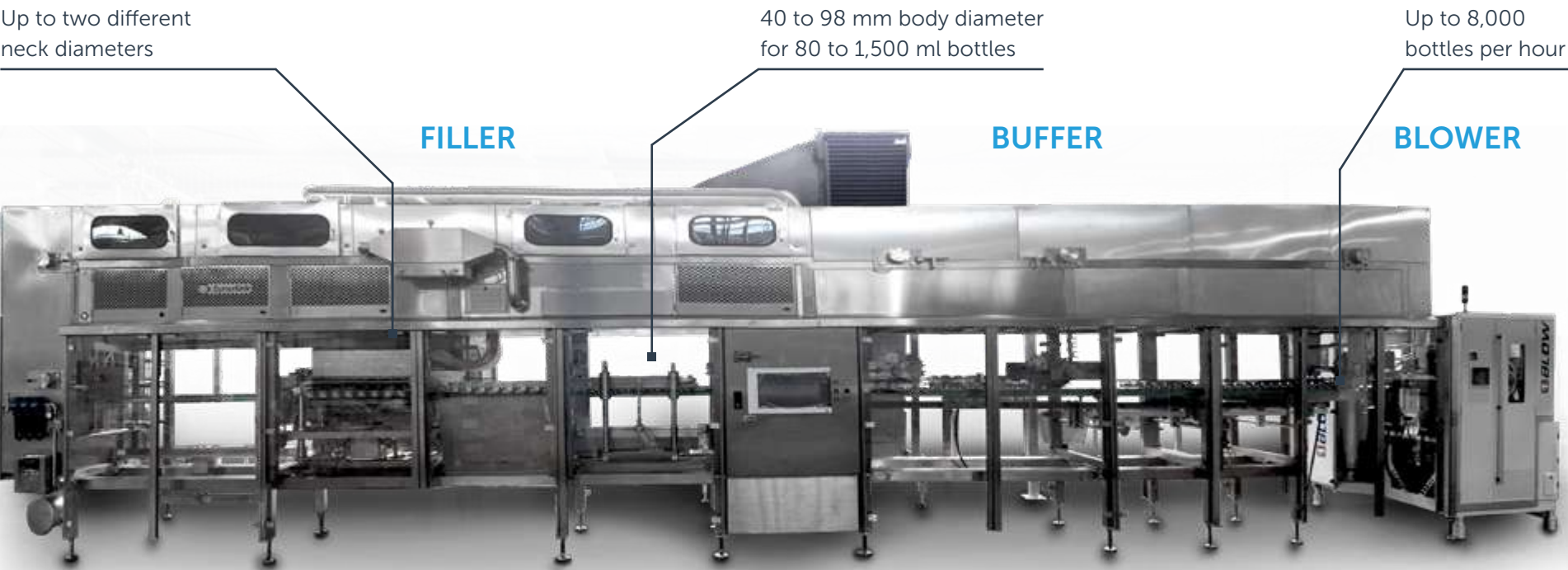
PACKAGING STYLE



PRODUCT TYPE



INLINE COMBI (BOTTLE BLOWER & FILLER)



Bottle Filling Machines	Highlights	Materials	Sizes	Options	Filling Volumes	Units/stroke	Units/Hour
COMBI	High flexibility Compact with easy access	PET	ø 40 to 88 mm body	1 or 2 neck diam	80-1,500 ml	1x8	4,000 to 8,000

ROTARY FILLING MACHINES - ELECTRONIC



Electronic Fillers	Highlights	Products	Container Size	Filling Volumes	Units/Hour
HEMA QC	Dedicated to the Home and Personal Care market (Combi solution possible with the same specs)	Shower gels, Shampoo, Dishwashing liquid, Laundry and floor detergent, Fabric Softener	ø 210 mm max body	80-5,000 ml	6,000 to 40,000



SECONDARY PACKAGING & PALLETIZING

ROBOTIC END-OF-LINE SOLUTIONS

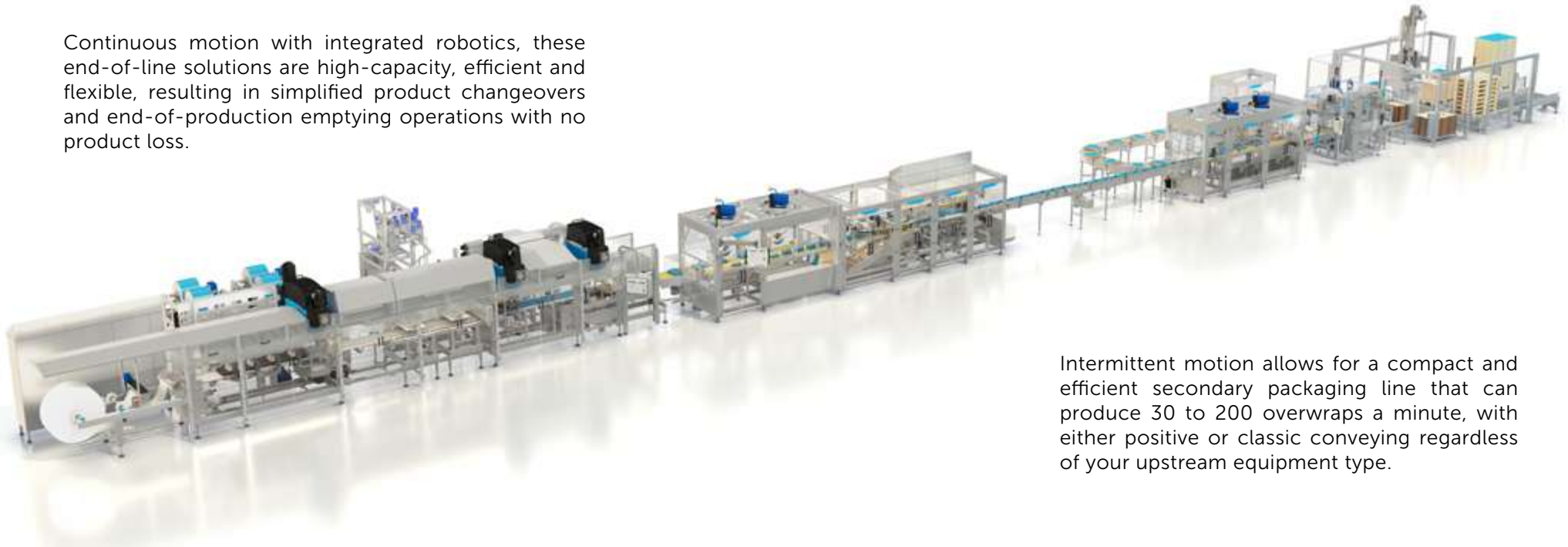
Synerlink creates optimal end-of-line packaging solutions for single or multipack cups and bottles to meet your branding and logistic requirements.

Synerlink secondary packaging and material handling equipment offers a wide range of solutions for batch preparation, overwrapping, case packing, stacking, elevating and palletizing. We can provide intermittent motion, continuous motion robotics or a combination of both technologies to suit your specific end-of-line equipment requirements.



ROBOTIC – SLEEVING – OVERWRAPPING - MATERIAL HANDLING

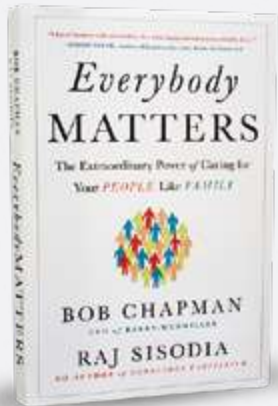
Continuous motion with integrated robotics, these end-of-line solutions are high-capacity, efficient and flexible, resulting in simplified product changeovers and end-of-production emptying operations with no product loss.



Intermittent motion allows for a compact and efficient secondary packaging line that can produce 30 to 200 overwraps a minute, with either positive or classic conveying regardless of your upstream equipment type.

Function	Particularity	Assets	Rate
Transfer tool	Positive transfer of cups from the outlet of a FFS machine to the downstream equipment	Line length optimization Smooth and positive way to manage the cups, including orientation	-
Automated merger tool	Robotic merger or diverger cell	Without any guide, adjustments, or parts changeover	-
Sleeving machine from the bottom-up	Multi-lane machine Positive handling of cups all along the sleeving process	Super compact footprint Alignment of sleeve labels with the lid	Up to 43,200 cups/hours
Continuous cardboard overwrapping	Great access for cardboard loading High volume capacity	In option: automatic variable pitch Best fit with robotic infeed tools	Up to 360 packs/mn
Case packer	Robotic standard solution Compatible with both intermittent or continuous process	No mechanical requirements Without any guide, adjustments and parts changeover	Up to 43,200 cups/hours
Combination of cardboard overwrapping and casepacking	Overwrapping and case packing operation are executed in the same machine block	Modular architecture Multi-lane sequential functions	To be verified according to configuration
Case or tray former	Great access for cardboard loading High volume capacity	Compatible with automatic cartons feeding Full automatic changeover except the mandrel tool	Up to 60 cases/min (per head)
Robotic palletizer	Tailored made robotic solution to meet the project requirements	Safe robotic cell High flexibility	-

ABOUT **barry**wehmiller



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BOOK
ON
CARING

Want to learn more about the transformation of Barry-Wehmiller from a broken 100-year-old manufacturing business into the thriving global organization it is today? Read CEO Bob Chapman's Wall Street Journal bestseller *Everybody Matters: The Extraordinary Power of Caring for Your People Like Family* and see how our culture of care, compassion and human connection has become fuel for the organization's growth, innovation and fierce commitment to creating value for all our stakeholders—team members, customers, communities and more. For more information or to order yours, go to EverybodyMattersBook.com.



BW Packaging Systems companies are part of **Barry-Wehmiller**, a \$3.7 billion global supplier of manufacturing technology and engineering consulting for the packaging, corrugating, sheeting and paper converting industries. For more information go to ***Barry-Wehmiller.com***.

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100 + COMPANIES



11,600+ TEAM MEMBERS



28 COUNTRIES



100+ LOCATIONS

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BW Packaging Systems is a \$700 + million business with more than 3000 team members in nine countries and 37 locations around the world. Through **BW Packaging Systems**, customers can find more than just a single machine, they can leverage the combined primary packaging, labeling and end-of-line packaging systems of each of the **Barry-Wehmiller** packaging companies.



A leader in the design, manufacture & support of automated label & shrink sleeve application systems as well as converting & finishing equipment for the shrink sleeve label & flexible packaging markets.

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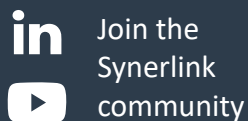
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