

coesia

VOLPAK SOLUTIONS FOR DRY PET FOOD

Dry Pet Food

- 01

Caring for pets has become an important aspect of consumer behaviour, as evidenced by the growth of the premium sector in pet products.
- 02

The doypack with zipper for pet treats, snacks, or pet care complements, and flat sachets for wet pet food, have emerged as the preferred packaging options for pet food.
- 03

Flexible packaging offers numerous advantages, such as convenience, lightweight, long shelf life, and the potential for being 100% recyclable.
- 04

E-commerce has introduced diverse packaging formats to meet the requirements of the global market, prioritizing tailor-made designs for online purchasing channels.



Why Volpak?

Volpak designs and manufactures a wide range of HFFS machines for packing dry pet food in different sizes and formats.



Expertise & know-how in the pet food industry



Pouches’ appeal is a determining factor, as well as the quality of the finishing. Our technology allows you to produce attractive pouches that are both leak-free and cost-effective compared to pre-made pouches.



Machines equipped with the latest features: seal integrity kit; press-to-close; hook-to-hook closing systems; and single or multiple fill stations.



Sustainable ready: all Volpak solutions are ready to work with 100% recyclable and sustainable materials.



Wide range portfolio meeting customer demands for quality, quick pouch size change, and production capacity, up to 360 pouches/min.

SOLUTIONS

01

VOLPAK SI SERIES

Horizontal Form-Fill-Seal machine for medium to high speed projects, featuring servo-driven technology and accommodating a wide range of options and applicators.

02

VOLPAK SP SERIES

Horizontal Form-Fill-Seal machines for medium-speed projects, mainly mechanical-driven, and accommodating various options and applicators.

03

VOLPAK SL SERIES

Horizontal Form-Fill-Seal machines for medium to low-speed projects, mechanical-driven, offering straightforward setup and easy maintenance.

04

VOLPAK SC + SERIES

Horizontal Form-Fill-Seal machines platform featuring continuous filling technology, ideal for high speed and high-production volumes projects.



VOLPAK SI SERIES:

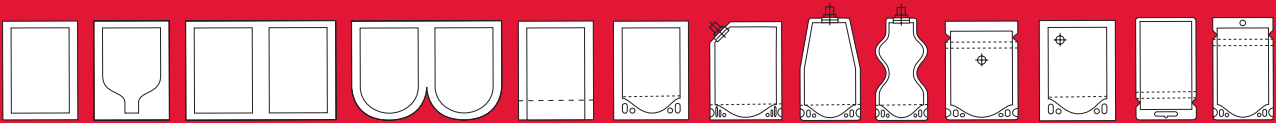
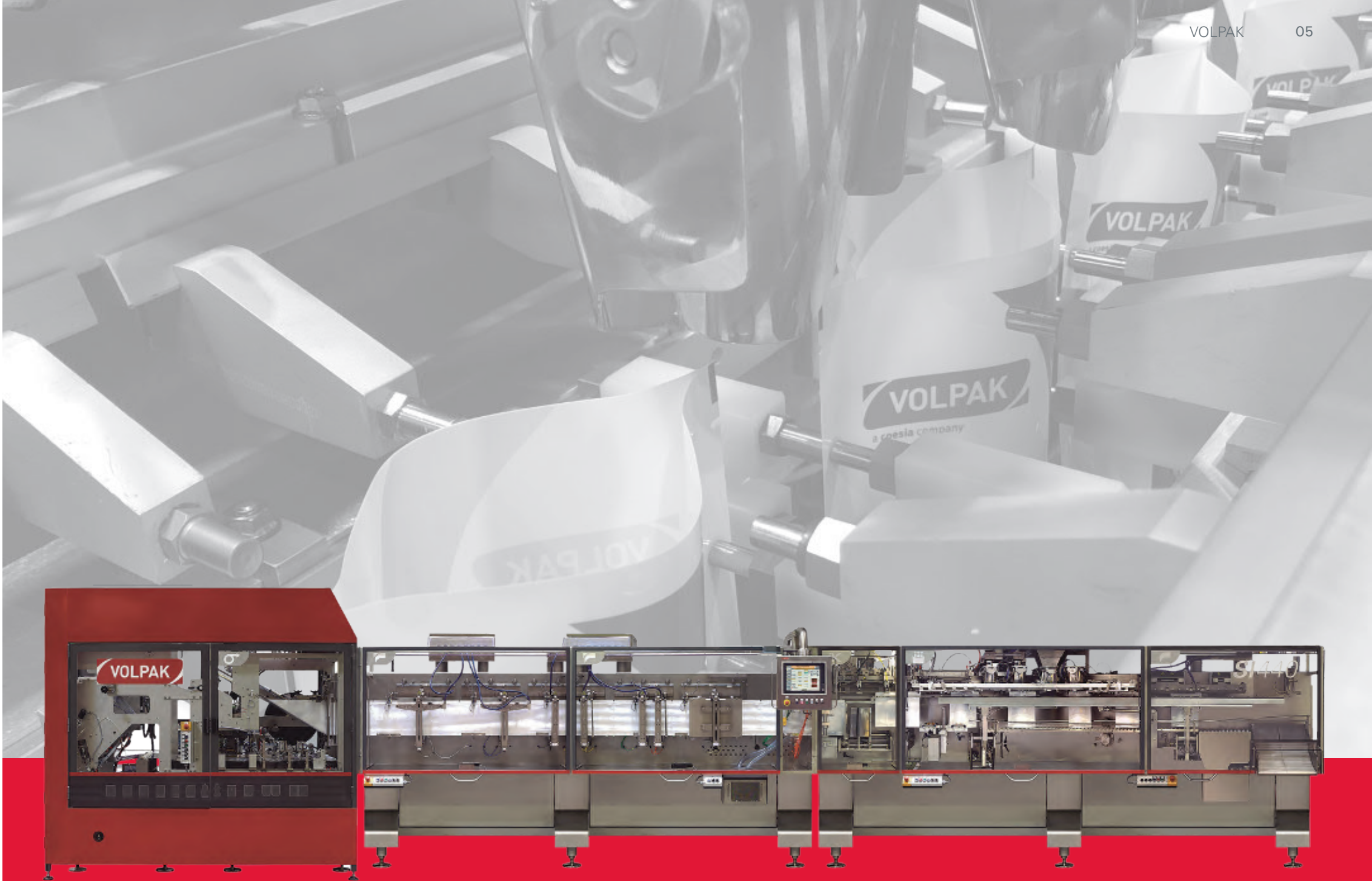
**Horizontal Form-Fill-Seal machine
for medium to high speed
projects, featuring servo-driven
technology and accommodating
a wide range of options and
applicators**

SI 440

Horizontal Form-Fill-Seal (HFFS) machine for stand-up pouches, operating from a single reel of flexible packaging material, forming the pouch, filling it with product, and sealing.

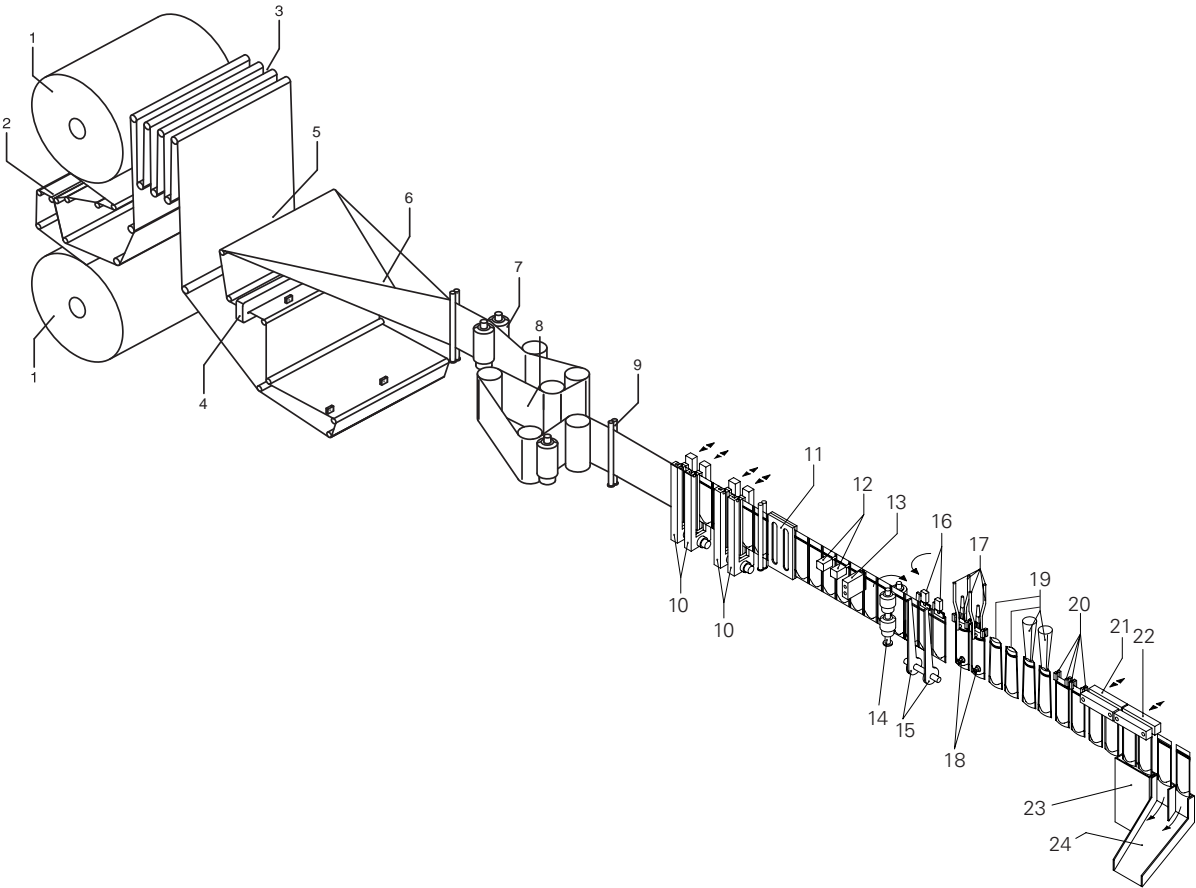
01 Machine Highlights

- Duplex, Triplex or Quadruplex operation
- Smart HMI, easy and intuitive
- Mirror execution for footprint optimization
- Three dosing stations for multi-product filling
- Easy size change with guided operations and servo assisted regulations
- Low operating and maintenance costs
- Wide variety of pouch styles available (regular, shaped, top cap, corner cap, front cap, zipper, 3- or 4-side sealed sachets,...)
- Ready to work with 100% recyclable materials



SI 440

02 Operating Cycle



1. Reel

2. Reel splicing

3. Film buffer

4. Gusset perforator

5. Reel aligner

6. Forming triangle

7. Servo roller for film pulling

8. Buffer to intermittent motion

9. Film guide
10. Vertical seal

11. Cooling

12. Tear notch

13. Eyemark photocell

14. Servo rollers for film transport

15. Cutting knife

16. Pouch positioning & transfer

17. Pouch opening
18. Bottom pouch opening

19. Filling stations

20. Pouch top stretching

21. Top sealing

22. Top cooling station

23. Pouch reject station

24. Discharge ramp



03 Technical Specifications

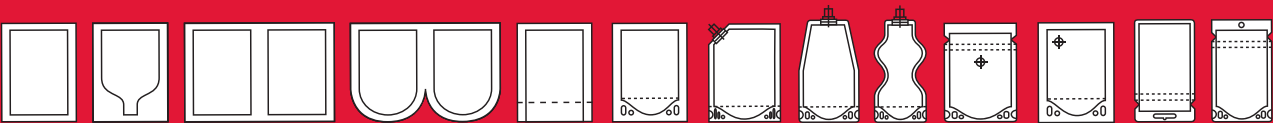
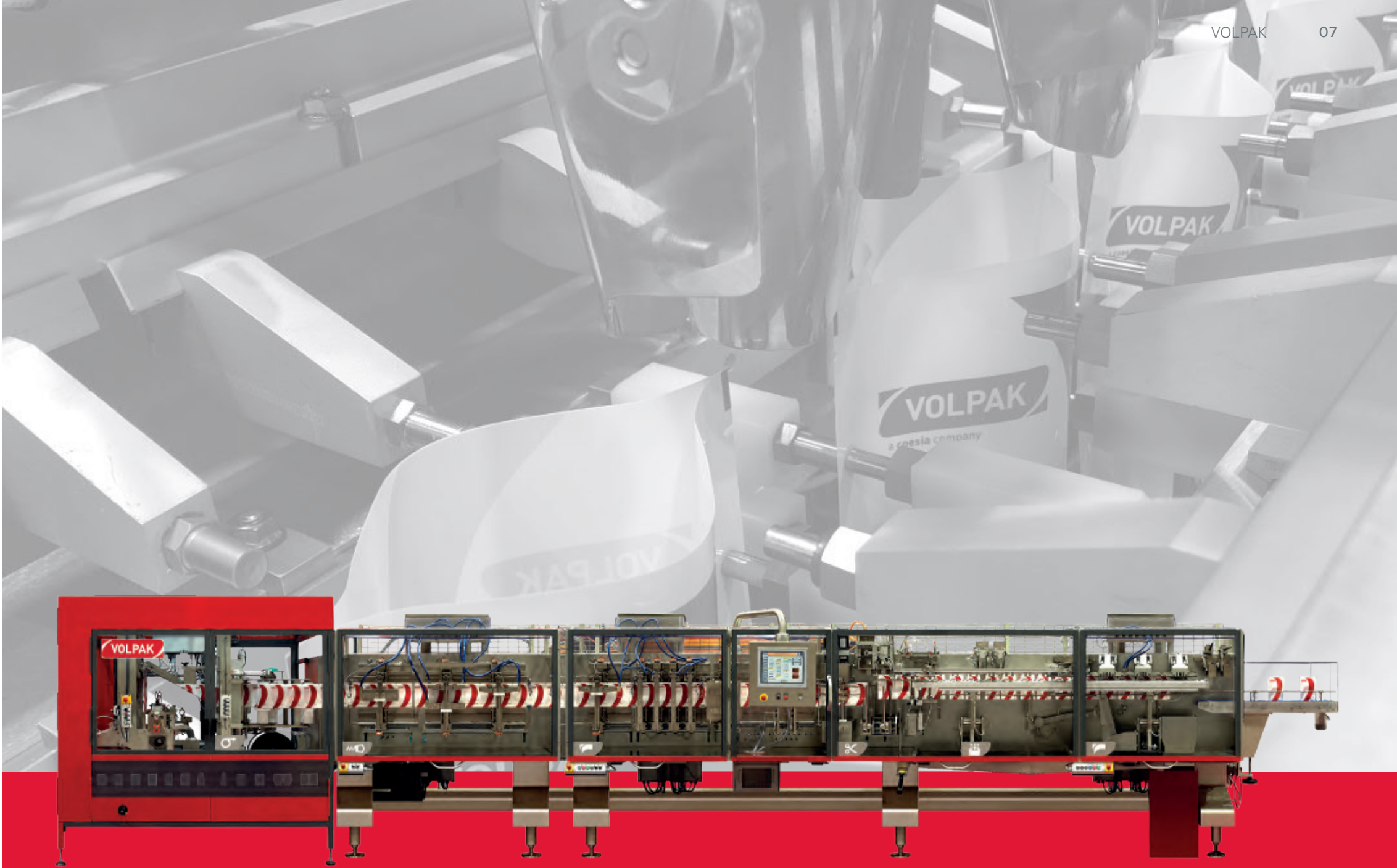
		DUPLEX	TRIPLEX	QUADRUPLEX
Min pouch size, W x H	mm	120 x 110 x 30	85 x 110 x 30	85 x 110 x 30
Max pouch size, W x H	mm	220 x 310 x 125	145 x 310 x 85	110 x 310 x 60
Max pouch volume	c.c	2000	600	300
Max output	ppm	120	180	240
Type of material		Heatsealable		
Max reel width	mm	745		
Max reel diameter	mm	600		
Core reel diameter	mm	74- 78 / 150- 154		
Electrical data		200- 480 V / 50, 60 Hz / 3Ph+G		
Machine dimensions, L x A x H	mm	12300 x 2180 x 2260		
Net weight	kg	10000		

SI 360

Horizontal Form-Fill-Seal (HFFS) machine for stand-up pouches, operating from a single reel of flexible packaging material, forming the pouch, filling it with product, and sealing.

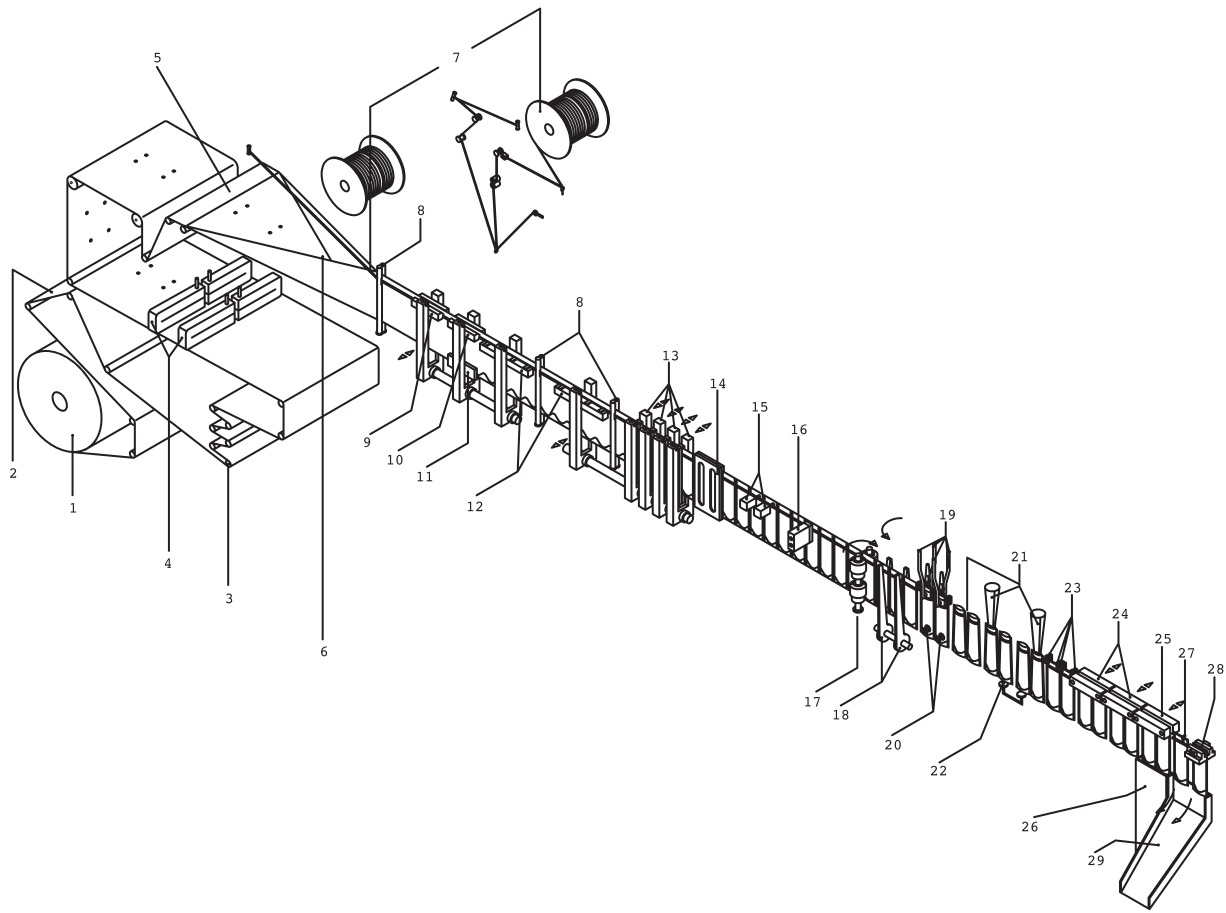
01 Machine Highlights

- Duplex, Triplex or Quadruplex operation
- Smart HMI, easy and intuitive
- Mirror execution for footprint optimization
- Three dosing stations for multi-product filling
- Easy size change with guided operations and quick regulations
- Low operating and maintenance costs
- Wide variety of pouch styles available (regular, shaped, top cap, corner cap, front cap, zipper, 3- or 4-side sealed sachets,...)
- Ready to work with 100% recyclable materials



SI 360

02 Operating Cycle



1. Reel

2. Splicing table

3. Unwinder

4. Gusset perforator

5. Reel edge aligner

6. Forming triangle

7. Zipper unwinder

8. Film guides

9. Zipper sealer

10. Zipper sealer
11. Bottom seal

12. Zipper crushing

13. Vertical seals

14. Cooling plate

15. Tear notch

16. Photocell

17. Servo rollers for film transport

18. Knife

19. Pouch opening

20. Bottom opening
21. Filling stations

22. Bottom vibrator

23. Pouch stretching

24. Top seal

25. Top cooling

26. Reject ramp

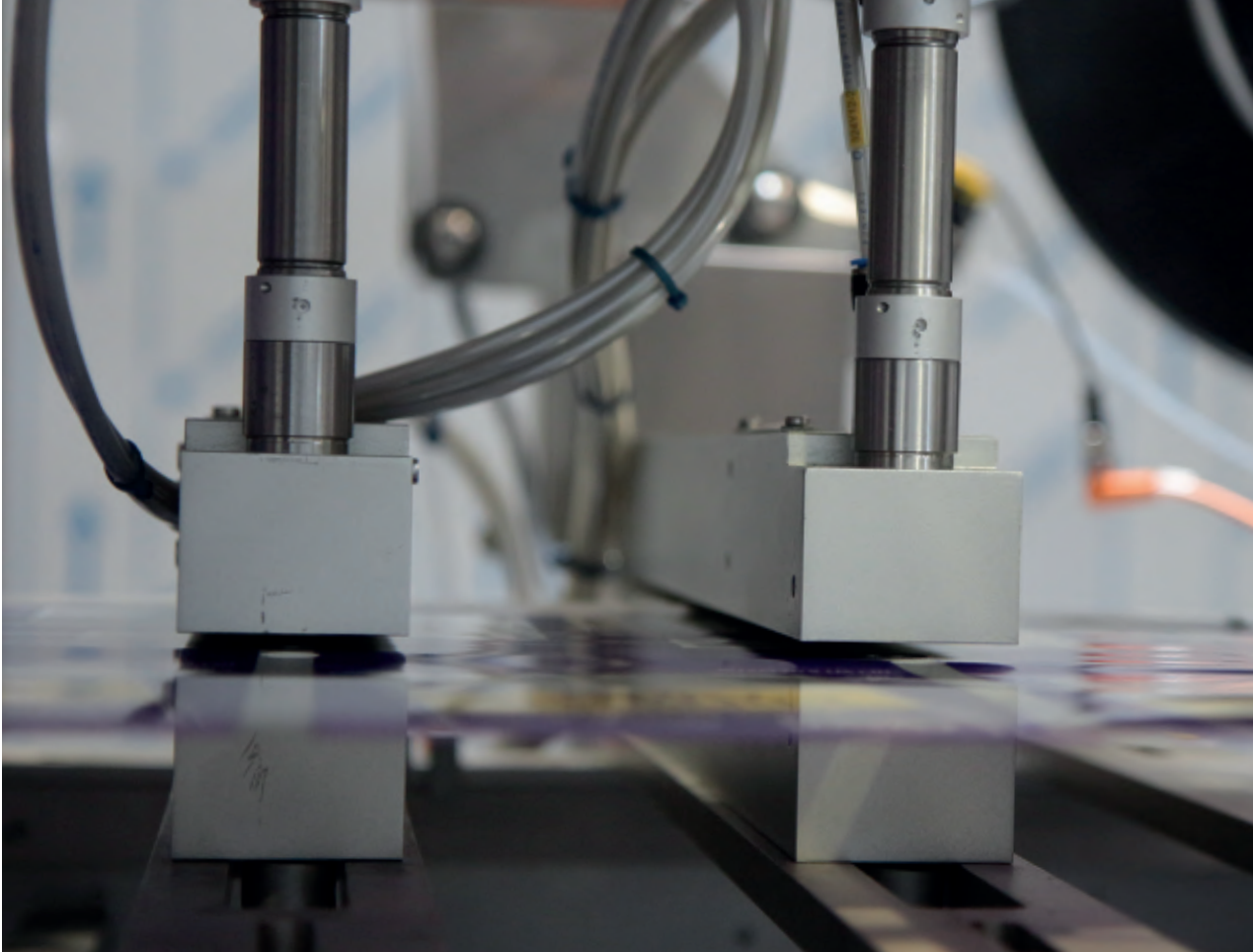
27. Zipper closing

28. Pouch holding

29. Discharge Ram



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03 Technical specification

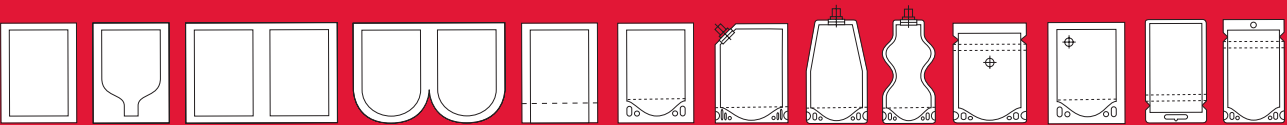
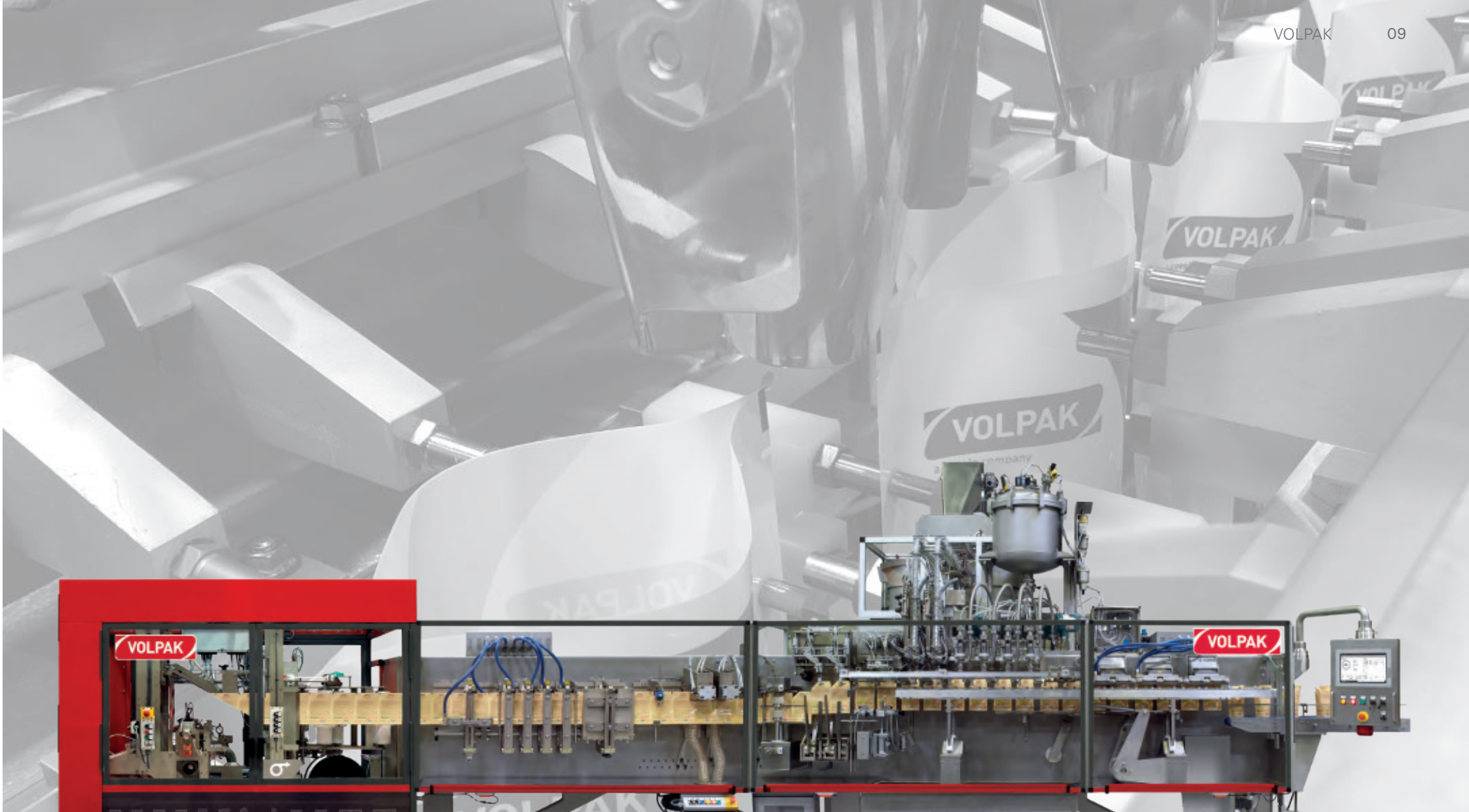
		DUPLEX	TRIPLEX	QUADRUPLEX
Min pouch size, W x H	mm	120 x 110 x 30	85 x 110 x 30	85 x 110 x 30
Max pouch size, W x H	mm	180 x 310 x 90	120 x 310 x 60	90 x 310 x 60
Max pouch volume	c.c	1500	500	200
Max output	ppm	120	180	240
Type of material		Heatsealable		
Max reel width	mm	710		
Max reel diameter	mm	600		
Core reel diameter	mm	74- 78 / 150- 154		
Electrical data		200- 480 V / 50, 60 Hz / 3Ph+G		
Machine dimensions, L x A x H	mm	10000 x 2075 x 2420		
Net weight	kg	8600		

SI 280

Horizontal Form-Fill-Seal (HFFS) machine for stand-up pouches, operating from a single reel of flexible packaging material, forming the pouch, filling it with product, and sealing.

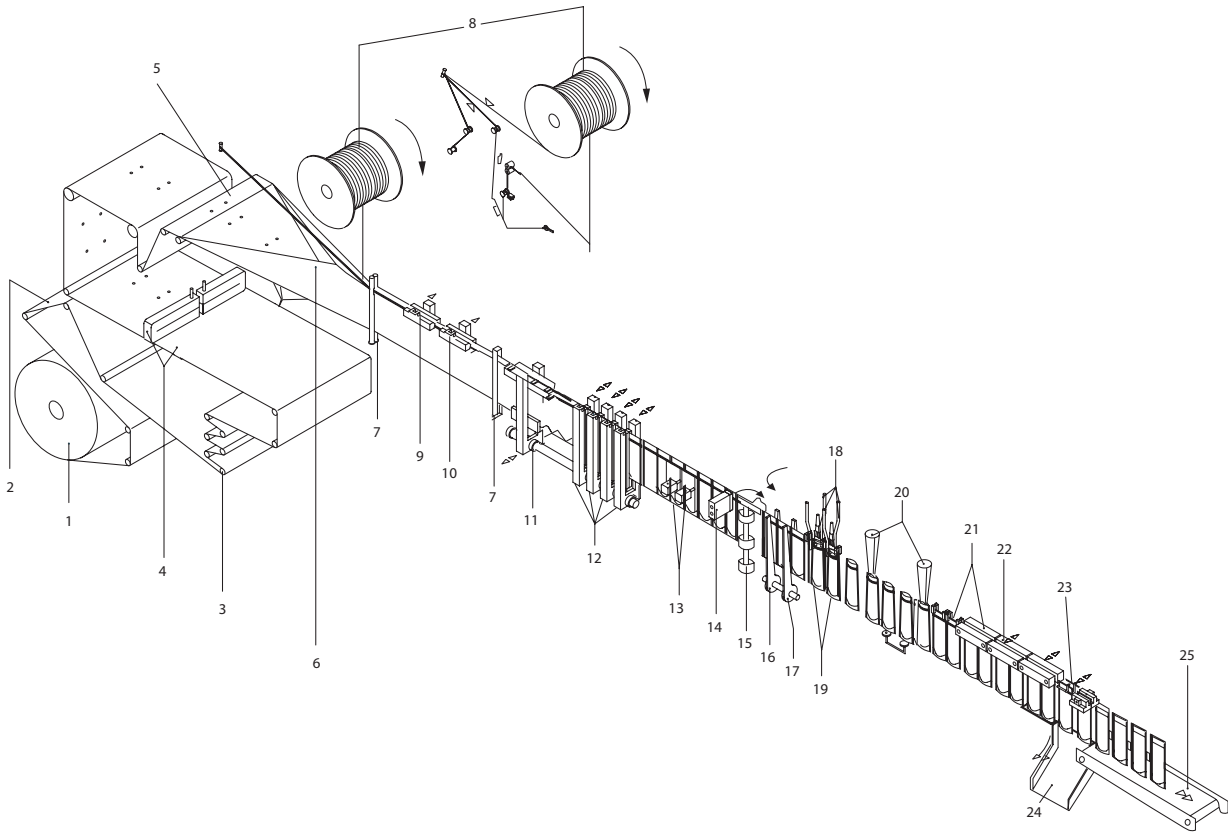
01 Machine Highlights

- Simplex, Duplex or Triplex operation
- Smart HMI, easy and intuitive
- Mirror execution for footprint optimization
- Three dosing stations for multi-product filling
- Easy size change with guided operations and quick regulations
- Low operating and maintenance costs
- Wide variety of pouch styles available (regular, shaped, top cap, corner cap, front cap, zipper, 3- or 4-side sealed sachets,...)
- Ready to work with 100% recyclable materials



SI 280

02 Operating Cycle



1. Reel

2. Film splicing

3. Unwinder

4. Gusset perforator

5. Band aligner

6. Forming triangle

7. Film guides

8. Zipper unwinder

9. Zipper seal
10. Zipper sealer

11. Bottom seal

12. Vertical seal

13. Tear notch

14. Photocell

15. Servo rollers for film transport

16. Knife

17. Knife and unitary cutting

18. Pouch opening
19. Bottom pouch opening

20. Fillings stations

21. Pouch stretching

22. Top sealing

23. Pouch reject station

24. Reject ramp

25. Discharge Belt



03 Technical Specifications

		SIMPLEX	DUPLEX	TRIPLEX
Min pouch size, W x H	mm	75 x 90 x 30	75 x 90 x 30	75 x 90 x 30
Max pouch size, W x H	mm	280 x 310 x 105	140 x 310 x 80	90 x 310 x 60
Max pouch volume	c.c	2500	600	150
Max output	ppm	80	160	240
Type of material		Heatsealable		
Max reel width	mm	725		
Max reel diameter	mm	600		
Core reel diameter	mm	74- 78 / 150- 154		
Electrical data		200- 480 V / 50, 60 Hz / 3Ph+G		
Machine dimensions, L x A x H	mm	8035 x 1865 x 2150		
Net weight	kg	6000		



VOLPAK SP SERIES:

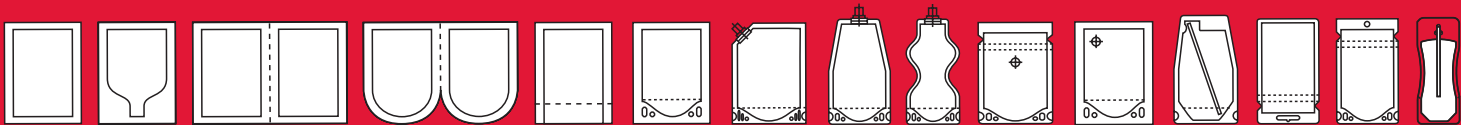
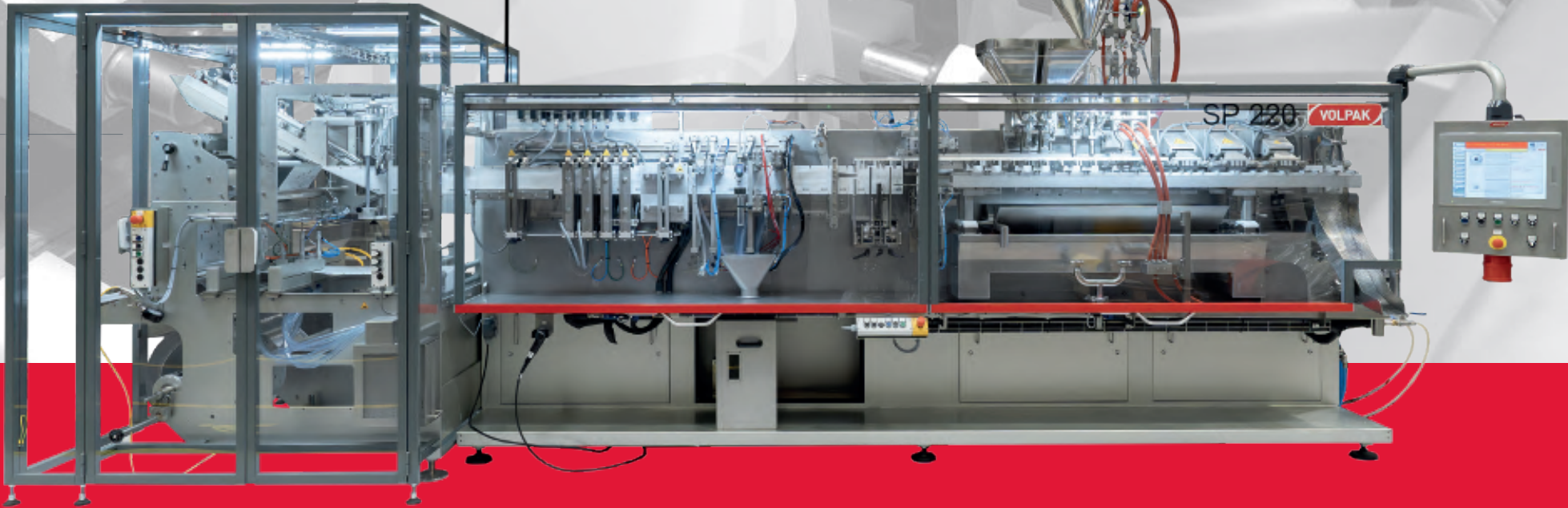
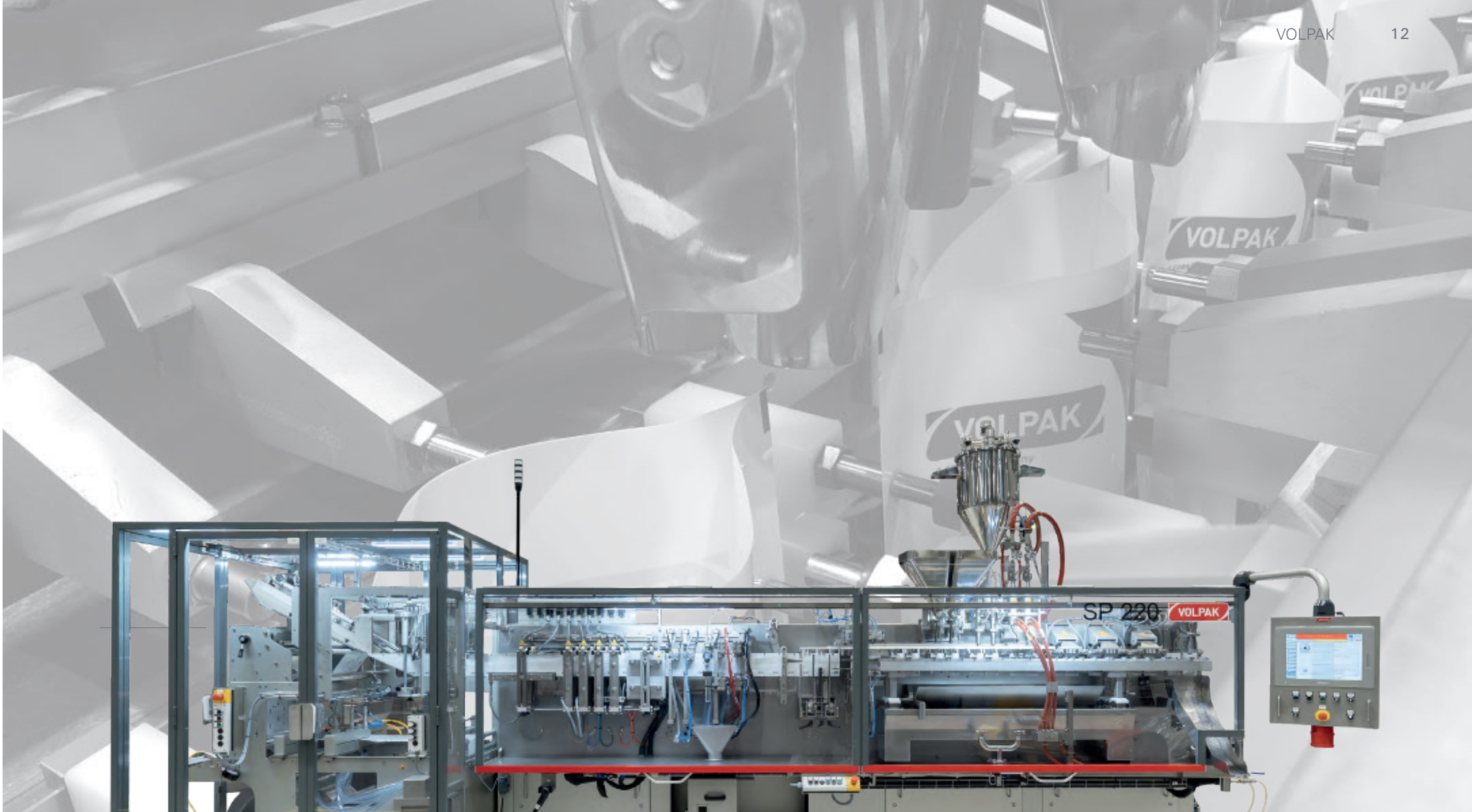
**Horizontal Form-Fill-Seal
machines for medium-speed
projects, mainly mechanical-
driven, and accommodating
various options and applicators**

SP 220

Horizontal Form-Fill-Seal (HFFS) machine for sachets, operating from a single reel of flexible packaging material, forming the pouch, filling it with product, and sealing.

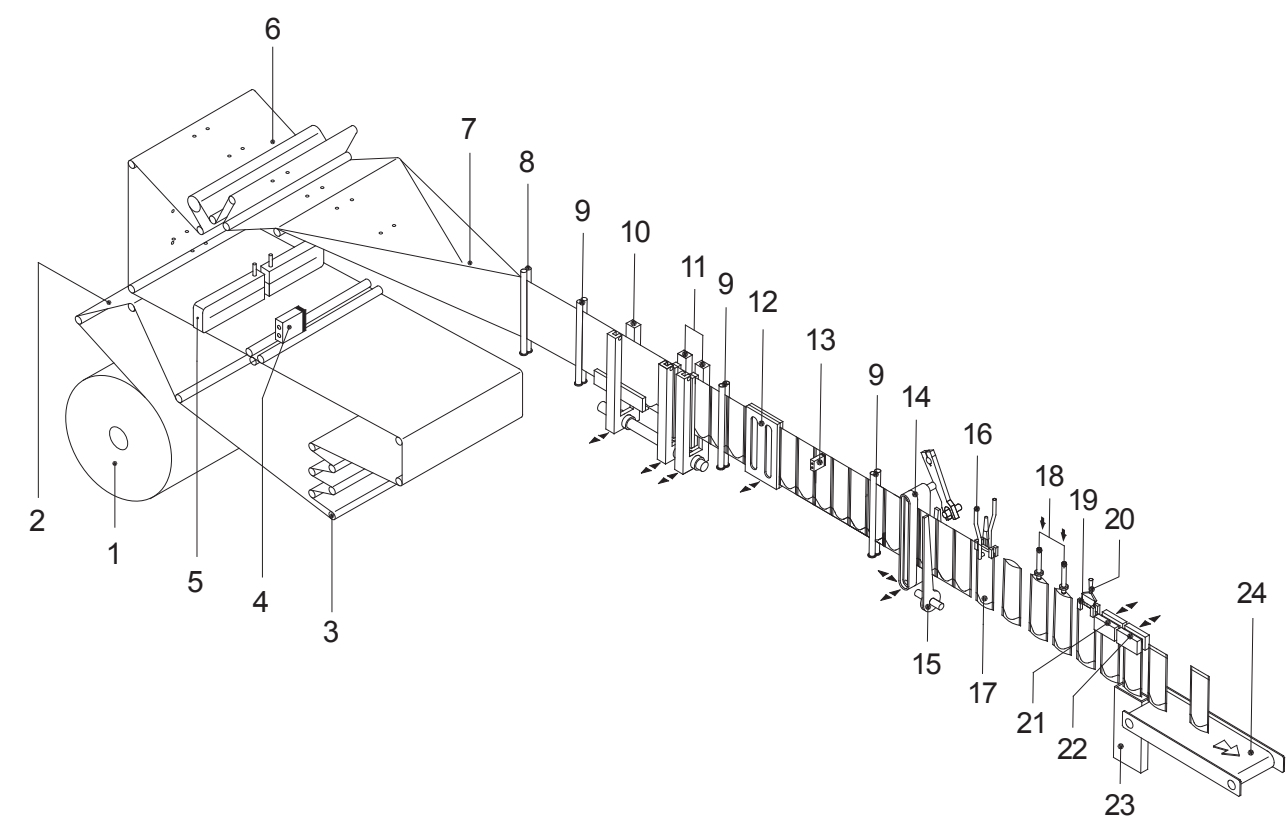
01 Machine Highlights

- Simplex or Duplex operation
- Smart HMI
- Easy handling and low maintenance costs
- Zipper and cap applicator for re-closable pouches.
- Wide variety of sachet formats available both for stand-up or flat pouches
- Ready to work with 100% recyclable materials



SP 220

02 Operating Cycle



1. Film shaft

2. Film splicer

3. Unwinder arm

4. Photocell

5. Perforator

6. Reel aligner

7. Forming triangle

8. Film guide

9. Film guide
10. Bottom sealing

11. Vertical sealing

12. Cooling and flattering

13. Photocell

14. Film transport

15. Scissors

16. Top pouch opening

17. Bottom pouch opening

18. Dosing station
19. Static stretching

20. Foam suction

21. Top sealing

22. Top cooling seals

23. Rejected pouches

24. Outlet belt



03 Technical Specifications

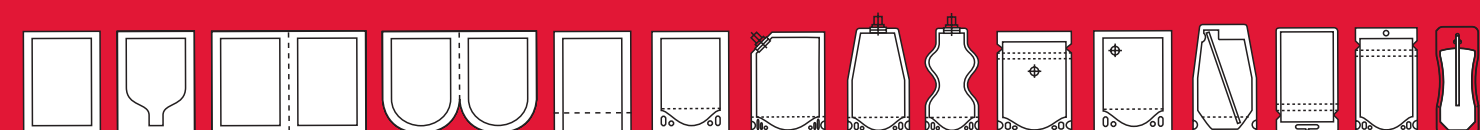
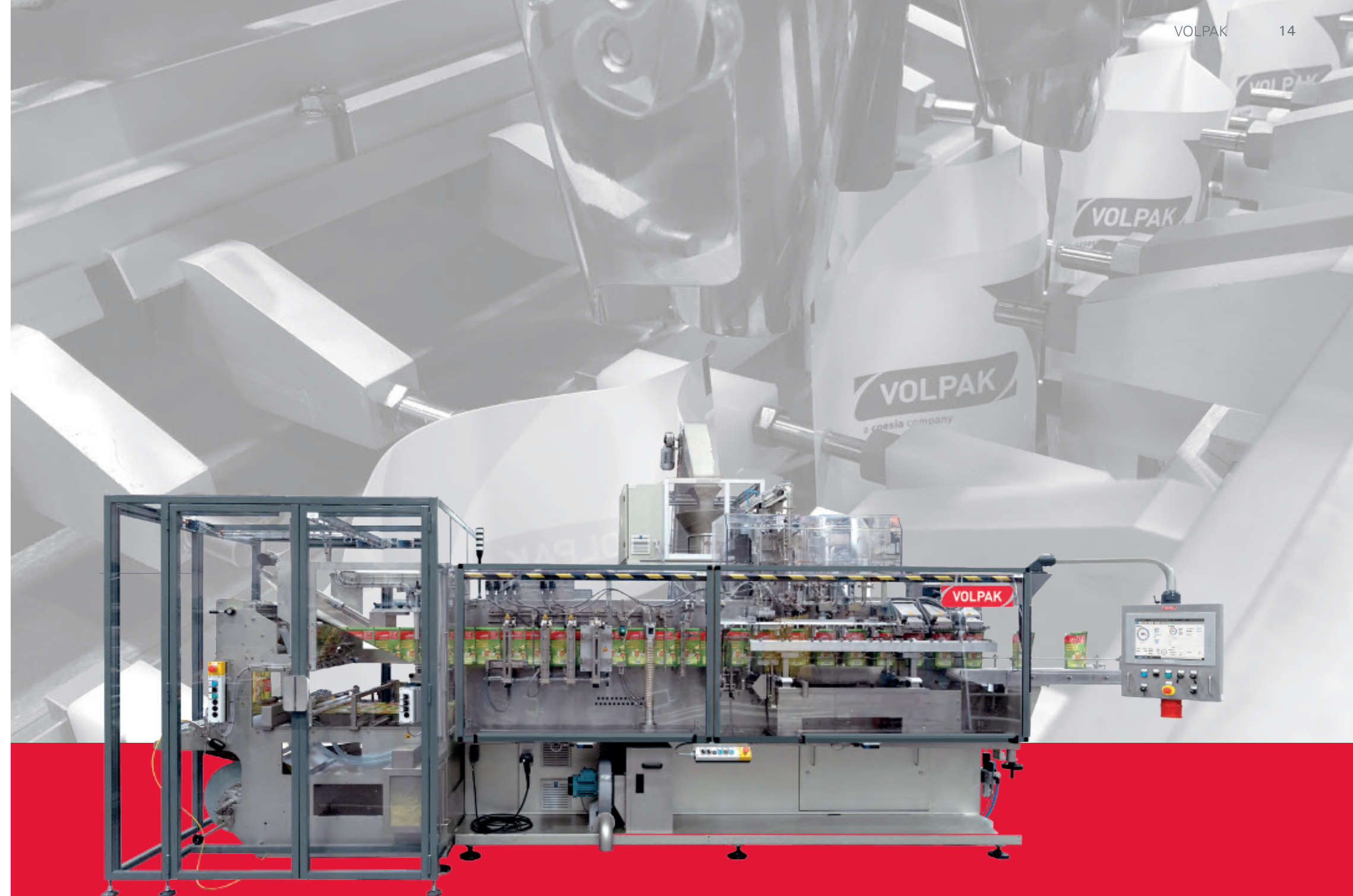
		SIMPLEX	DUPLEX
Min pouch size, W x H	mm	70 x 60 / 70 x 100 x 30	50 x 60 / 50 x 90 x 30
Max pouch size, W x H	mm	220 x 270 (x 90)	110 x 270 (x 100)
Max pouch volume	c.c	1200	350
Max output	ppm	100	200
Type of material		Heatsealable	
Max reel width	mm	630	
Max reel diameter	mm	600	
Core reel diameter	mm	74- 78 / 150- 154	
Electrical data		220, 380, 440 V / 50, 60 Hz	
Machine dimensions, L x A x H	mm	5650 x 1650 x 1800	
Net weight	kg	5750	

SP 170

Horizontal Form-Fill-Seal (HFFS) machine for sachets, operating from a single reel of flexible packaging material, forming the pouch, filling it with product, and sealing.

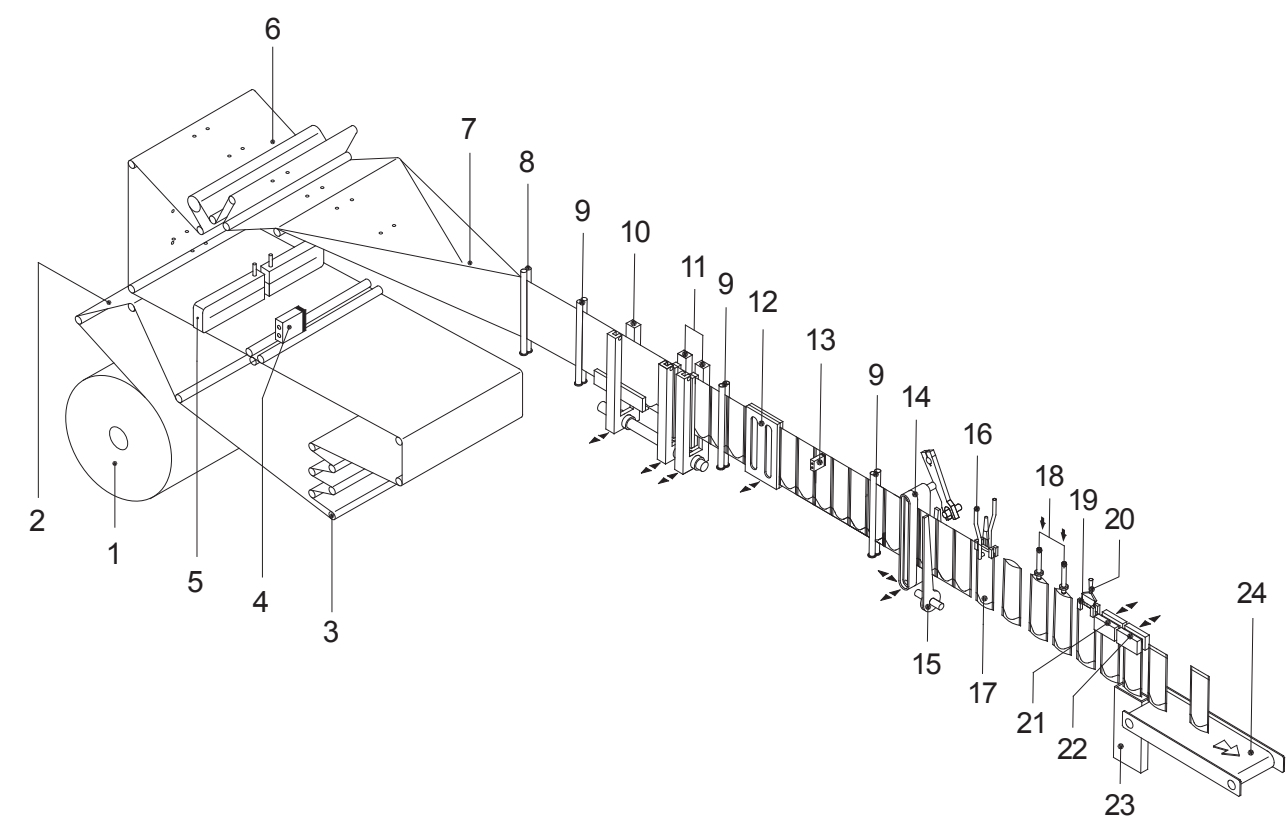
01 Machine Highlights

- Simplex or duplex operation
- Smart HMI, easy and intuitive
- Two dosing systems can be installed simultaneously
- Space to include additional equipment, such as cameras, printers, labelers...
- Numeric counters for easy size change
- Low operating and maintenance costs
- Wide variety of sachet formats available (3- or 4-side sealed sachets, twin sachets, shaped sachets...)
- Ready to work with 100% recyclable materials



SP 170

02 Operating Cycle



1. Film shaft

2. Film splicer

3. Unwinder arm

4. Photocell

5. Perforator

6. Reel aligner

7. Forming triangle

8. Film guide

9. Film guide
10. Bottom sealing

11. Vertical sealing

12. Cooling and flattening

13. Photocell

14. Film transport

15. Scissors

16. Top pouch opening

17. Bottom pouch opening

18. Dosing station
19. Static stretching

20. Foam suction

21. Top sealing

22. Top cooling seals

23. Rejected pouches

24. Outlet belt



03 Technical Specifications

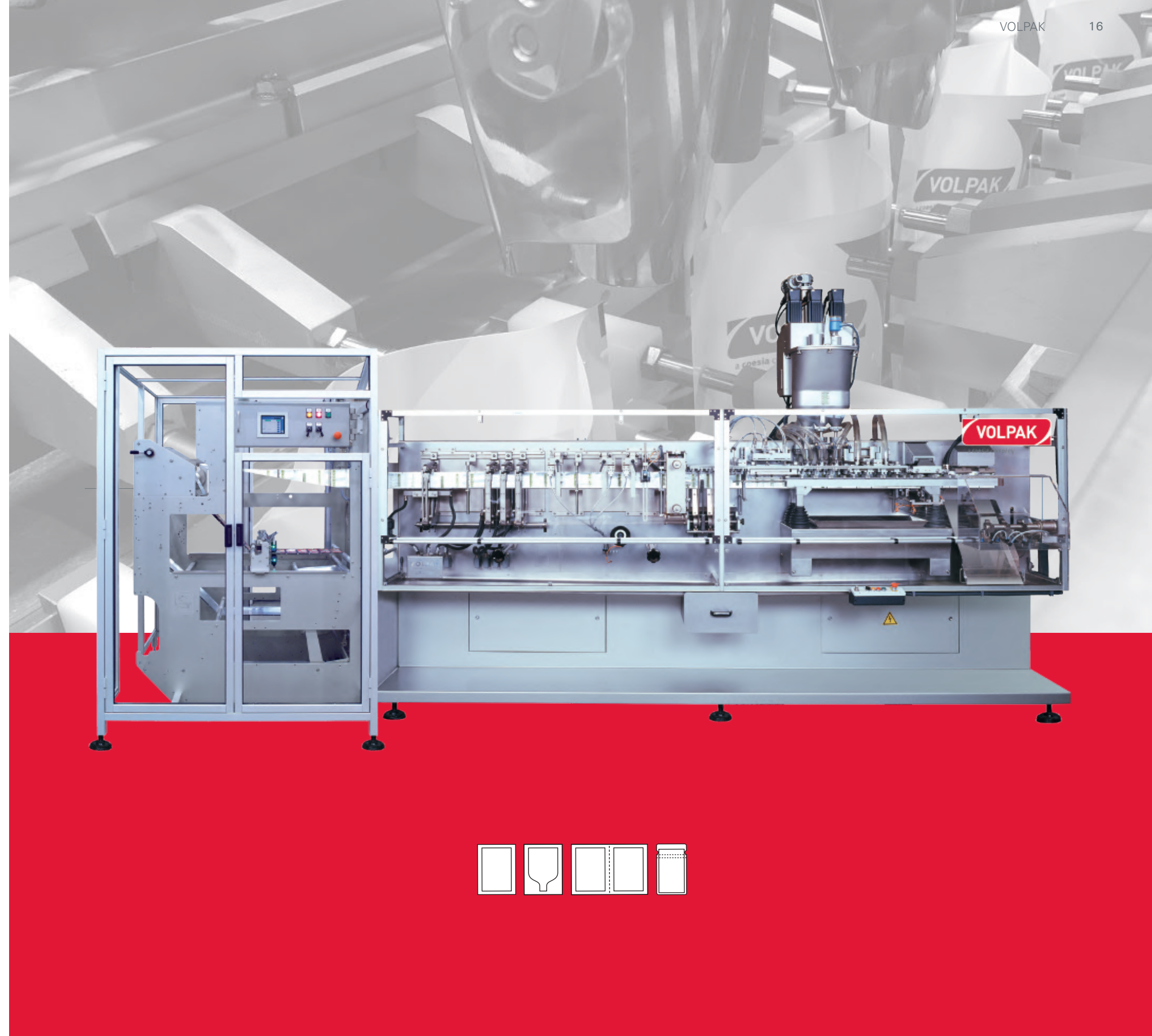
		SIMPLEX	DUPLEX
Min pouch size, W x H	mm	70 x 70 / 70 x 90 x 30	50 x 70
Max pouch size, W x H	mm	170 x 270 (x100)	85 x 270
Max pouch volume	c.c	1000	150
Max output	ppm	100	200
Type of material		Heatsealable	
Max reel width	mm	640	
Max reel diameter	mm	600	
Core reel diameter	mm	74- 78 / 150- 154	
Electrical data		220,380,440V / 50, 60 Hz / 3Ph+G	

SP 70

Horizontal Form-Fill-Seal (HFFS) machine for sachets, operating from a single reel of flexible packaging material, forming the pouch, filling it with product, and sealing.

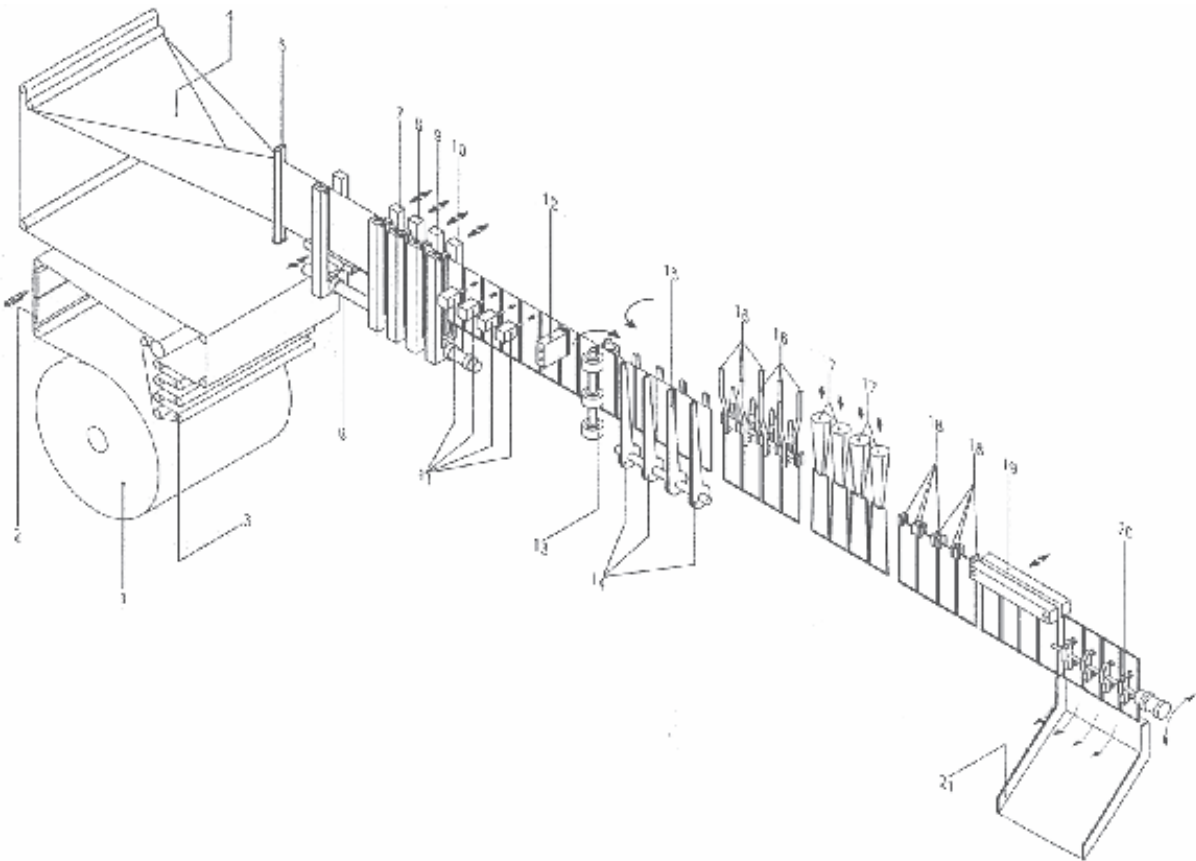
01 Machine Highlights

- Triplex or Quadruplex operation
- Smart HMI
- Optimized footprint
- Triplex or quadruplex dosing systems for high production rates
- Zipper applicator for re-closable pouches
- Wide variety of sachet formats available (3- or 4-side sealed sachets, twin sachets,...)
- Ready to work with 100% recyclable materials



SP 70

02 Operating Cycle



1. Reel

2. Splicing table

3. Unwinder

4. Film folder

5. Film guides

6. Bottom seal

7. 1st vertical seal
8. 2nd vertical seal

9. 3rd vertical seal

10. 4th vertical seal

11. Tear notch

12. Photocell

13. Servo rollers for film transport

14. Knife
15. Knife

16. Pouch opening

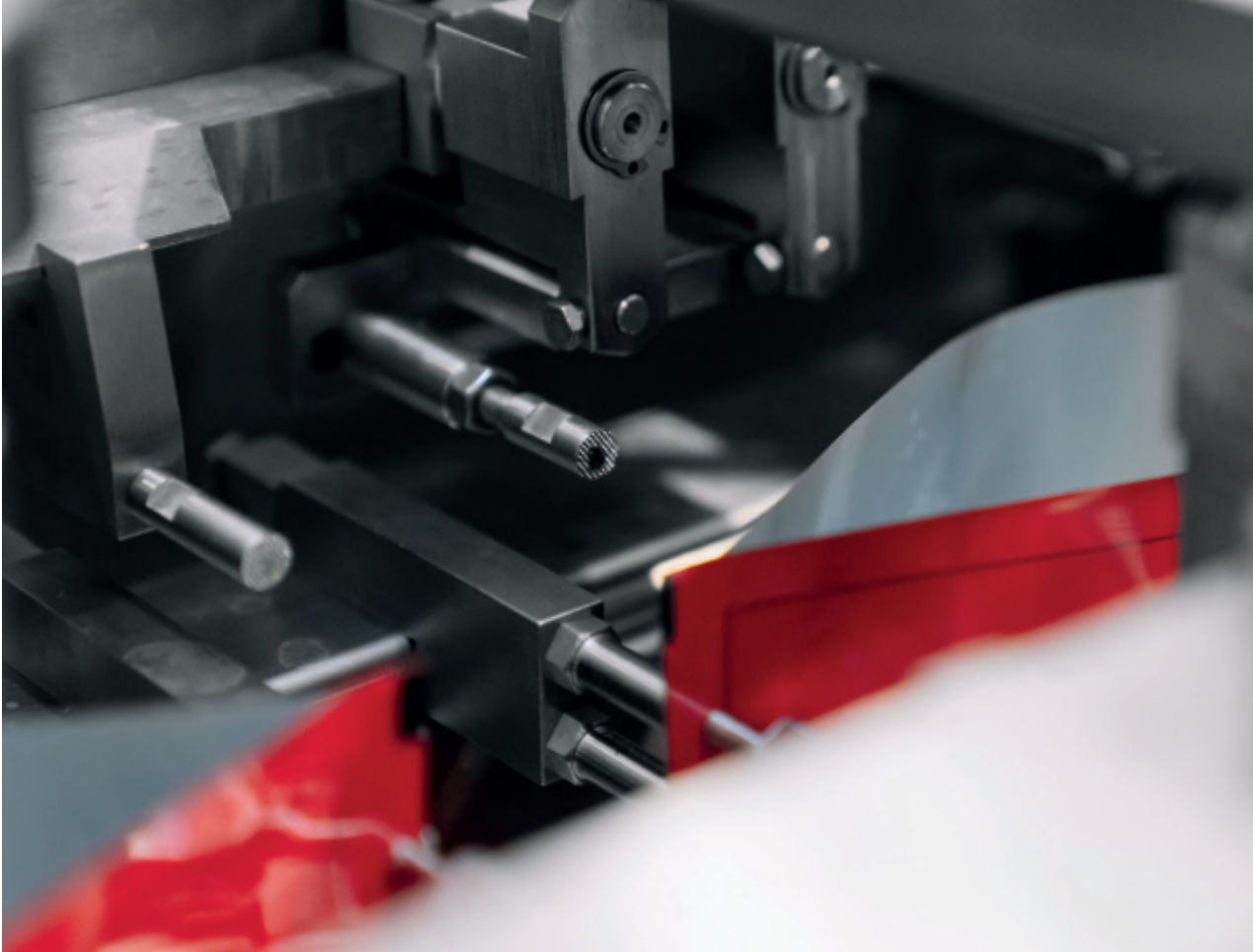
17. Filling station

18. Pouch stretching

19. Top sealing

20. Pick & Place transfer

21. Reject ramp



03 Technical Specifications

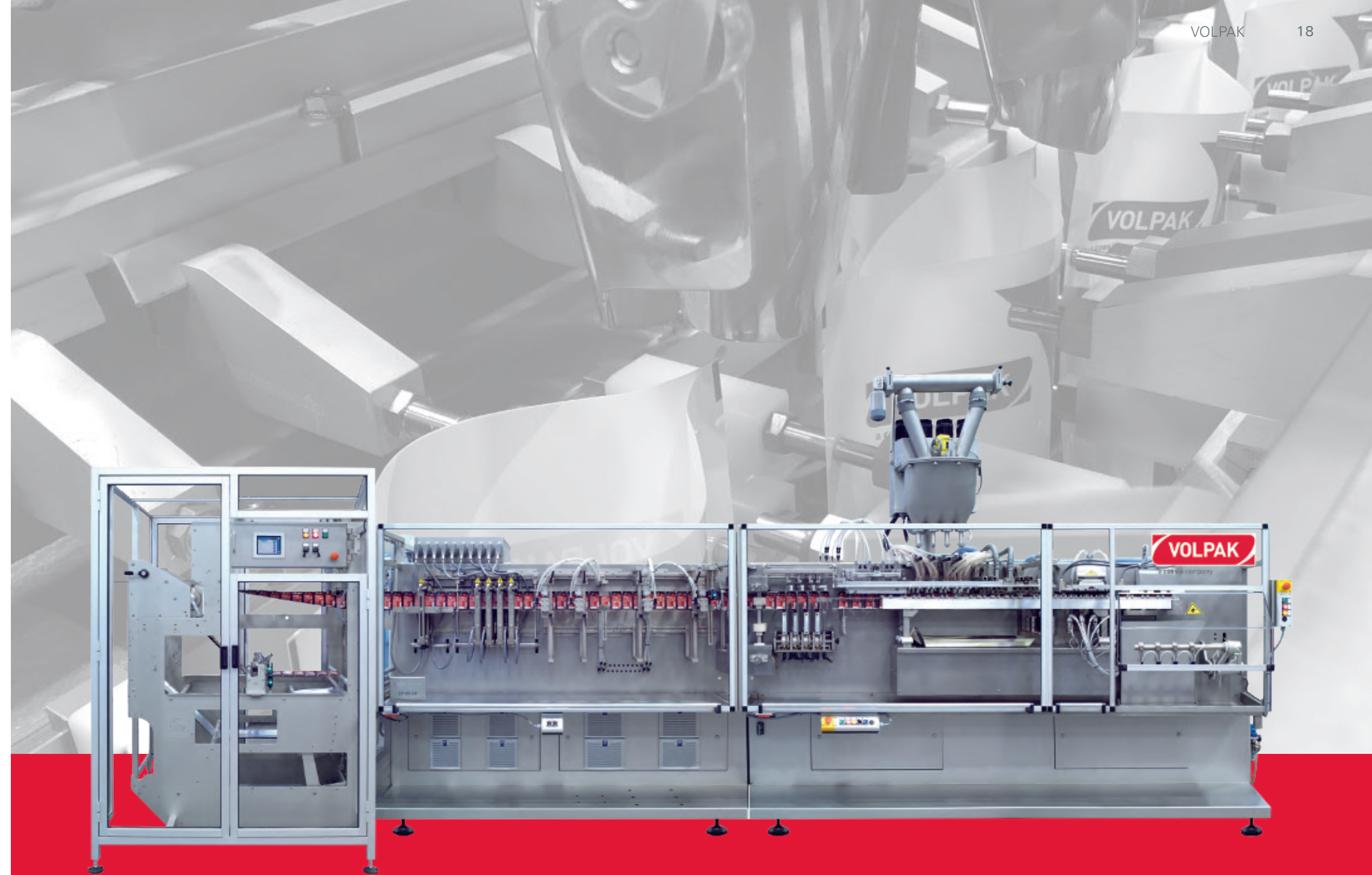
		TRIPLEX	QUADRUPLEX
Min pouch size, W x H	mm	45 x 50	45 x 50
Max pouch size, W x H	mm	93 x 240	70 x 240
Max pouch volume	c.c	150	80
Max output	ppm	270	360
Type of material		Heatsealable	
Max reel width	mm	480	
Max reel diameter	mm	600	
Core reel diameter	mm	74- 78	
Electrical data		200- 480 V / 50, 60 Hz / 3Ph+G	
Machine dimensions, L x A x H	mm	5000 x 1200 x 1800	
Net weight	kg	5500	

SP 90

Horizontal Form-Fill-Seal (HFFS) machine for sachets, operating from a single reel of flexible packaging material, forming the pouch, filling it with product, and sealing.

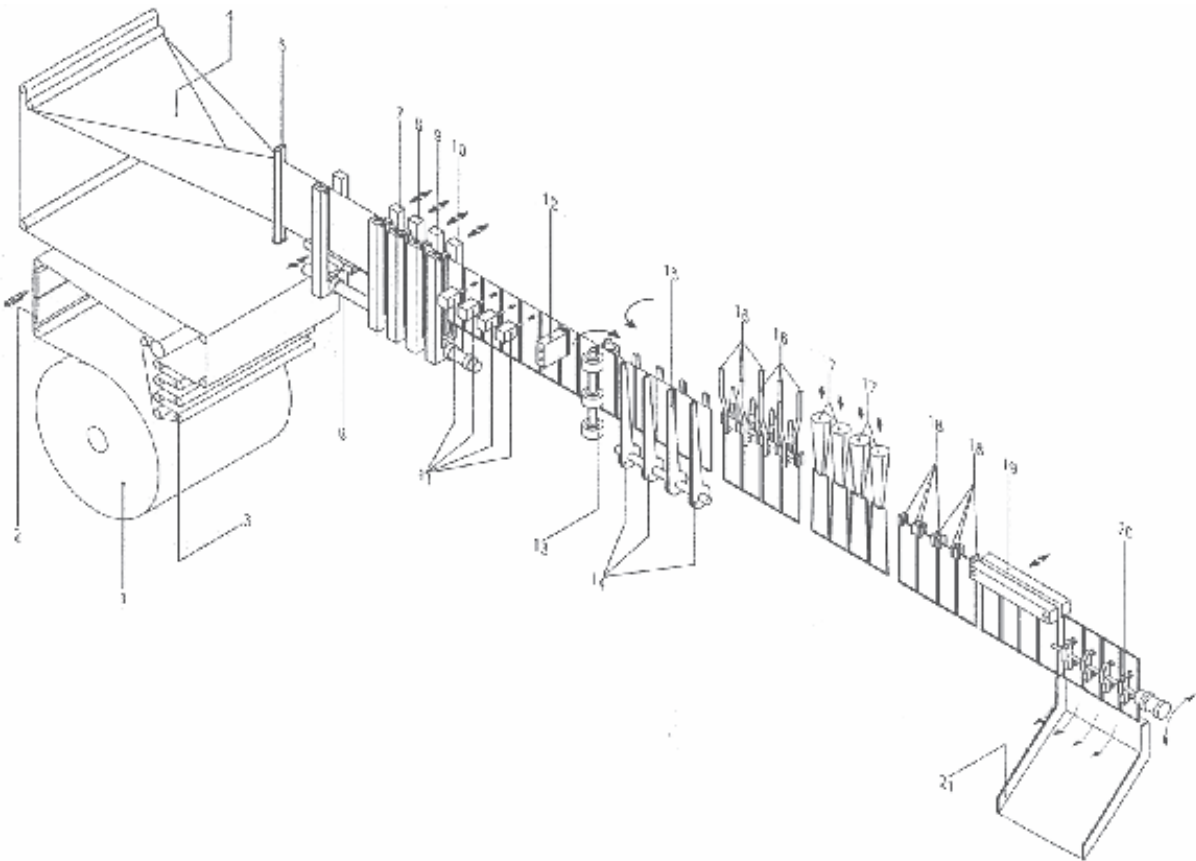
01 Machine Highlights

- Triplex or Quadruplex operation
- Smart HMI
- Optimized footprint
- Triplex or quadruplex dosing systems for high production rates
- Zipper applicator for re-closable pouches
- Wide variety of sachet formats available (3- or 4-side sealed sachets, twin sachets,...)
- Ready to work with 100% recyclable materials



SP 90

02 Operating Cycle



1. Reel

2. Splicing table

3. Unwinder

4. Film folder

5. Film guides

6. Bottom seal

7. 1st vertical seal
8. 2nd vertical seal

9. 3rd vertical seal

10. 4th vertical seal

11. Tear notch

12. Photocell

13. Servo rollers for film transport

14. Knife
15. Knife

16. Pouch opening

17. Filling station

18. Pouch stretching

19. Top sealing

20. Pick & Place transfer

21. Reject ramp



03 Technical Specifications

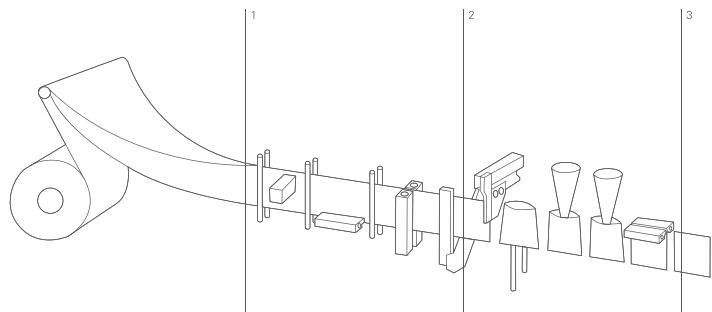
		TRIPLEX	QUADRUPLEX
Min pouch size, W x H	mm	45 x 50	45 x 50
Max pouch size, W x H	mm	120 x 240	90 x 240
Max pouch volume	c.c	180	100
Max output	ppm	240	320
Type of material		Heatsealable	
Max reel width	mm	480	
Max reel diameter	mm	600	
Core reel diameter	mm	74- 78	
Electrical data		200- 480 V / 50, 60 Hz / 3Ph+G	
Machine dimensions, L x A x H	mm	6765 x 1650 x 1800	
Net weight	kg	6400	

VOLPAK SL SERIES:

**Horizontal Form-Fill-Seal
machines for medium to low-
speed projects, mechanical-
driven, offering straightforward
setup and easy maintenance**

SL 170

Horizontal Form-Fill-Seal (HFFS) machine for sachets, operating from a single reel of flexible packaging material, forming the pouch, filling it with product, and sealing.



1. Unwinding and folding 2. Forming and cutting 3. Opening, filling and sealing



01 Machine Highlights

- Simplex or duplex operation
- Smart HMI, easy and intuitive
- Two dosing systems can be installed simultaneously
- Space to include additional equipment, such as cameras, printers, labelers...
- Numeric counters for easy size change
- Low operating and maintenance costs
- Wide variety of sachet formats available (3- or 4-side sealed sachets, twin sachets, shaped sachets...)
- Ready to work with 100% recyclable materials

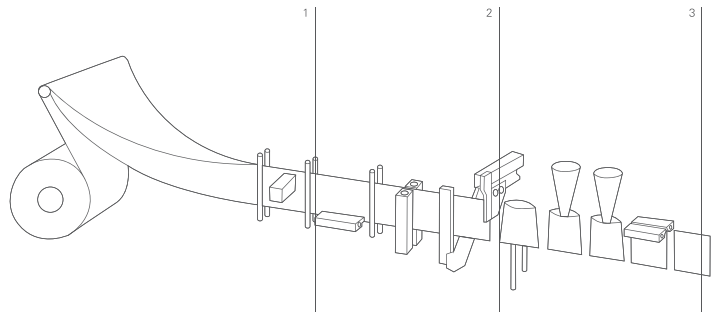


02 Technical Specifications

		SIMPLEX	DUPLEX
Min pouch size, W x H	mm	50 x 70	50 x 70
Max pouch size, W x H	mm	190 x 225	90 x 225
Max pouch volume	c.c	500	90
Max output	ppm	90	180
Type of material		Heatsealable	
Max reel width	mm	450	
Max reel diameter	mm	500	
Core reel diameter	mm	70- 75	
Consumption	[kW]	3,7	4,2
Electrical data		200- 480 V / 50, 60 Hz / 3Ph+G	
Machine dimensions, L x A x H	mm	2140 x 930 x 1800	
Net weight	kg	680	780

SL 140

Horizontal Form-Fill-Seal (HFFS) machine for sachets, operating from a single reel of flexible packaging material, forming the pouch, filling it with product, and sealing.

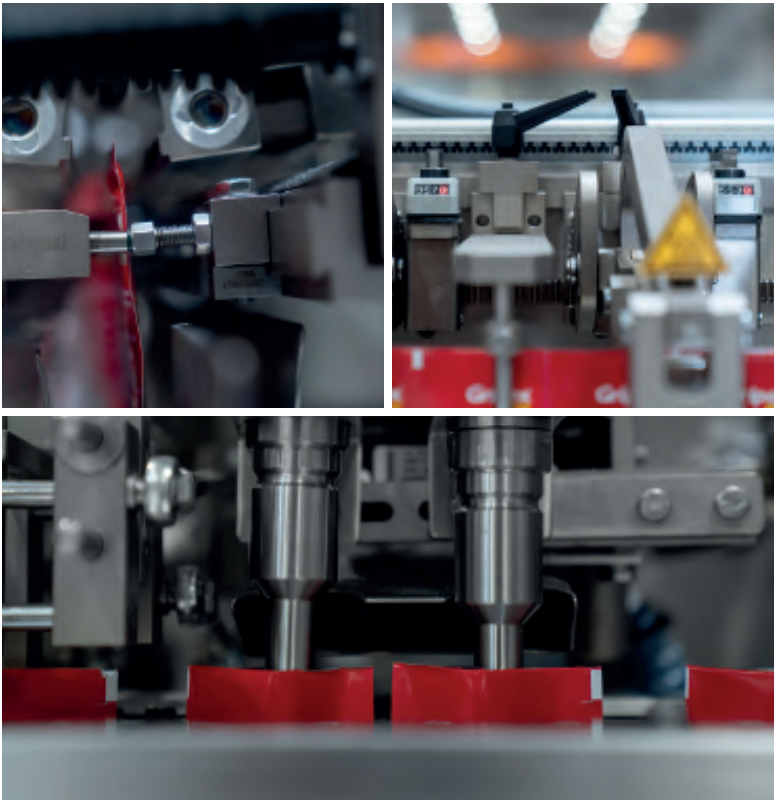


1. Unwinding and folding 2. Forming and cutting 3. Opening, filling and sealing



01 Machine Highlights

- Simplex or duplex operation
- Smart HMI, easy and intuitive
- Two dosing systems can be installed simultaneously
- Numeric counters for easy size change
- Low operating and maintenance costs
- Wide variety of sachet formats available (3- or 4-side sealed sachets, twin sachets, shaped sachets...)
- Ready to work with 100% recyclable materials



02 Technical Specifications

		SIMPLEX	DUPLEX
Min pouch size, W x H	mm	50 x 70	50 x 70
Max pouch size, W x H	mm	140 x 200	70 x 200
Max pouch volume	c.c	300	50
Max output	ppm	90	180
Type of material		Heatsealable	
Max reel width	mm	400	
Max reel diameter	mm	500	
Core reel diameter	mm	70- 75	
Consumption	[kW]	3,7	4,2
Electrical data		200- 480 V / 50, 60 Hz / 3Ph+G	
Machine dimensions, L x A x H	mm	2840 x 975 x 1800	
Net weight	kg	680	780

The background of the image shows a complex industrial machine, likely a packaging or manufacturing line, with various metal components, pipes, and mechanical parts. A semi-transparent red overlay covers the entire image, creating a monochromatic effect. The text is overlaid on the left side of the image.

VOLPAK SC+ SERIES:

**Horizontal Form-Fill-Seal
machines platform featuring
continuous filling technology,
ideal for high speed and high-
production volumes projects**

SC+ HFFS

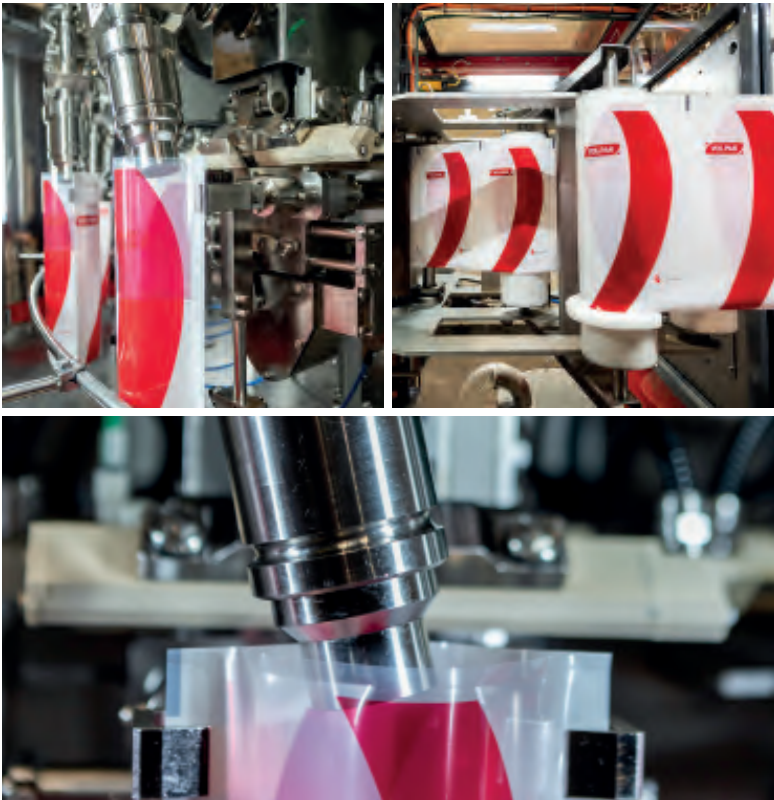
Horizontal Form-Fill-Seal platform featuring continuous filling technology, ideal for high speed and high-production volumes projects.

New platform concept: SC+ machine range, a breakthrough innovation in Stand-up pouch machinery reaching beyond production and performance levels.



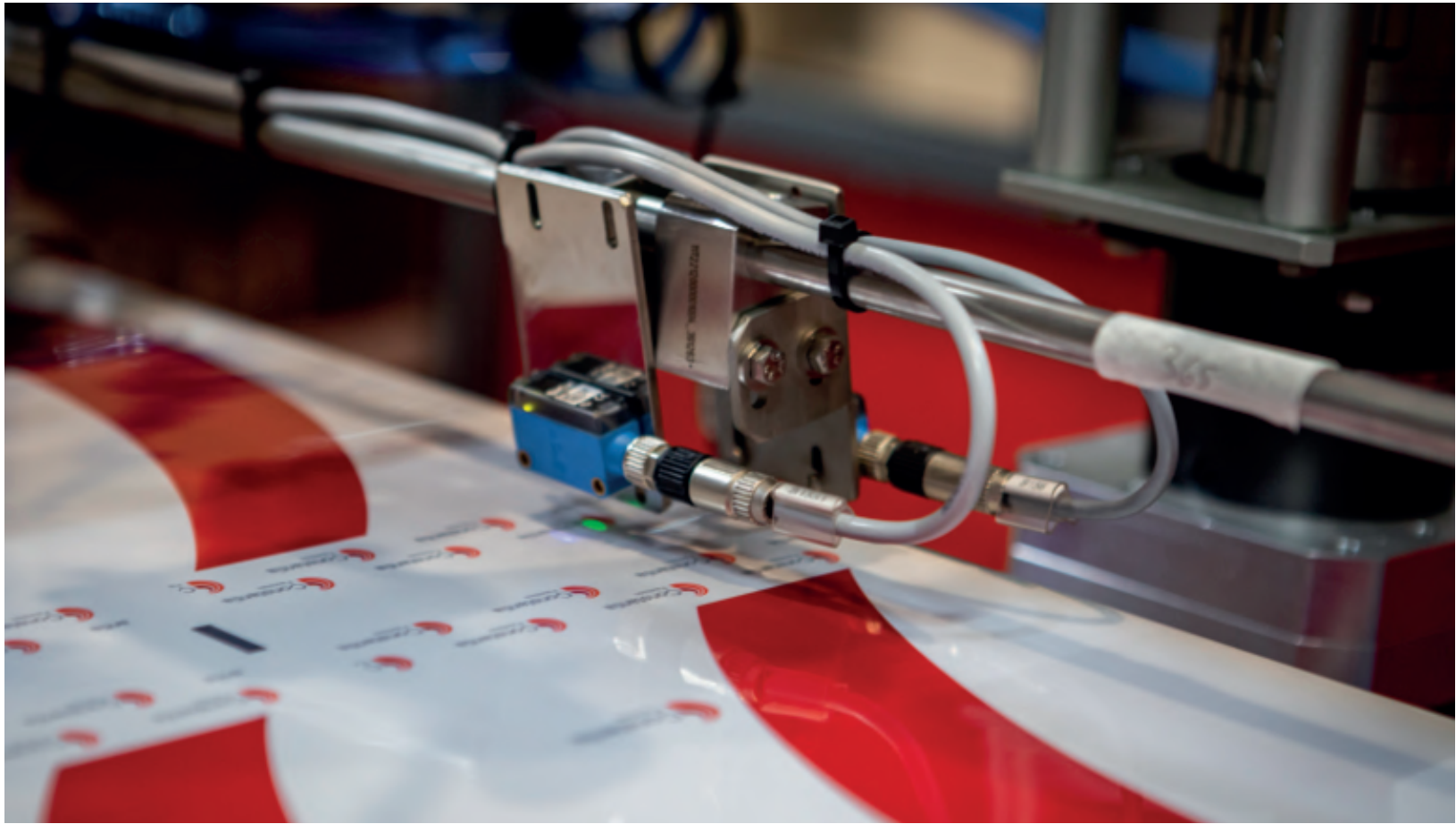
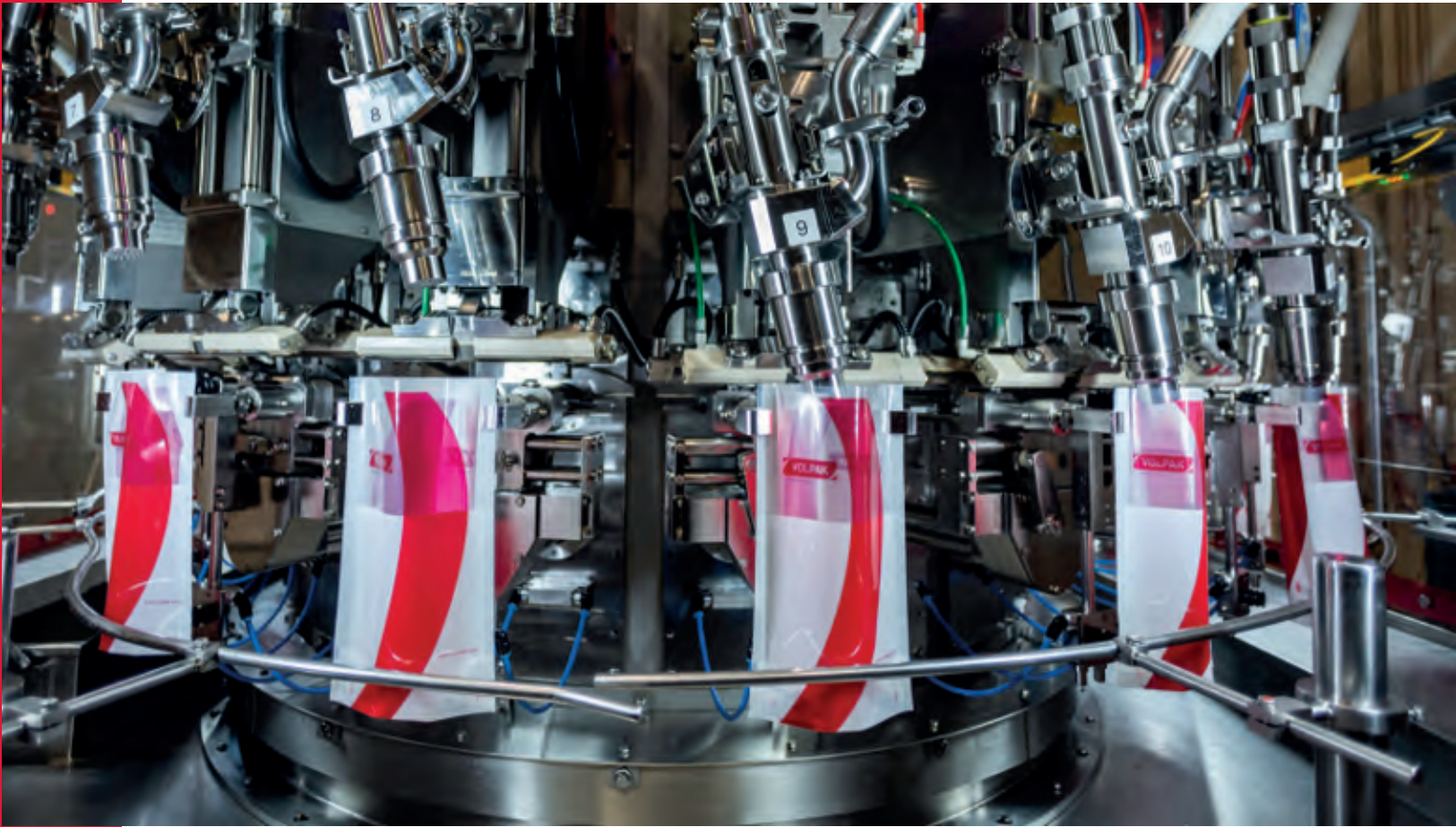
01 Machine Highlights

- Unique cutting: Contactless system for minimum wear and maintenance.
- Complete pouch stations: Short and smooth movements for pouch opening, filling, and sealing. Simple and easy operation.
- Continuous filling: Large process window for superior fill and seal conditions.
- Filling turret compact and smart: High speed production while keeping gentle pouch manipulation.
- Fast size change: Automatic and guided regulations for fast format change
- Ready to work with 100% recyclable materials



02 Technical Specifications

		SC + 180	SC + 240	SC + 300
Min pouch size, W x H	mm	85 x 110 x 30		
Max pouch size, W x H	mm	180 x 310 x 120	240 x 310 x 120	300 x 310 x 120
Max pouch volume	c.c	1000	2000	3000
Max output	ppm	400	320	250
Type of material		Heatsealable		
Max reel width	mm	745		
Max reel diameter	mm	600		
Core reel diameter	mm	148- 156		
Consumption	kW	70		
Machine dimensions, L x A x H	mm	17600 x 5500 x 5200		



SC+ Premade

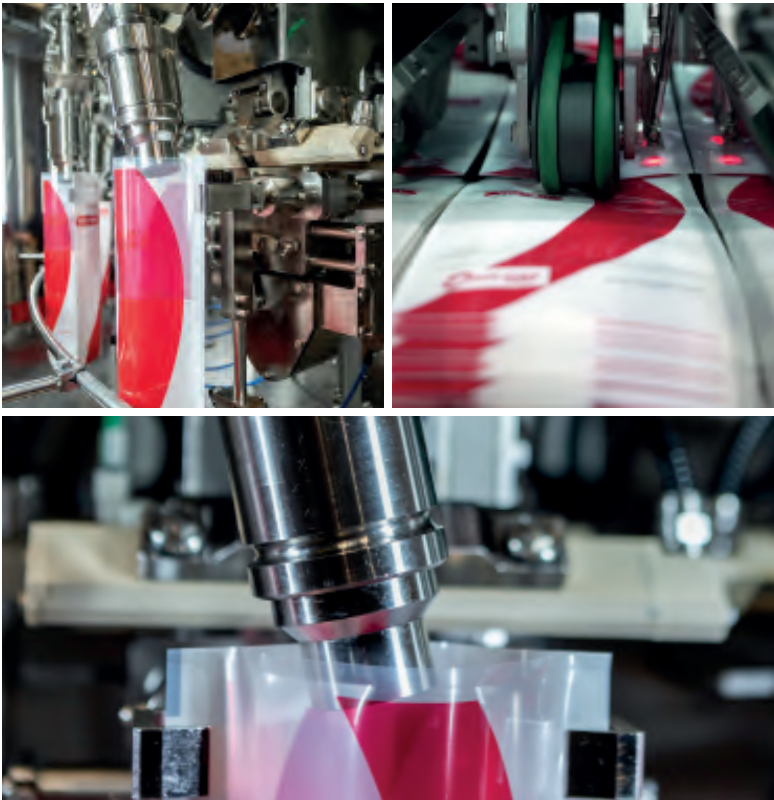
Premade Form-Seal platform featuring continuous filling technology, ideal for high speed and high-production volumes projects.

New platform concept: SC+ Premade, a breakthrough innovation in pre-made pouch machinery reaching production and performance levels never known before.



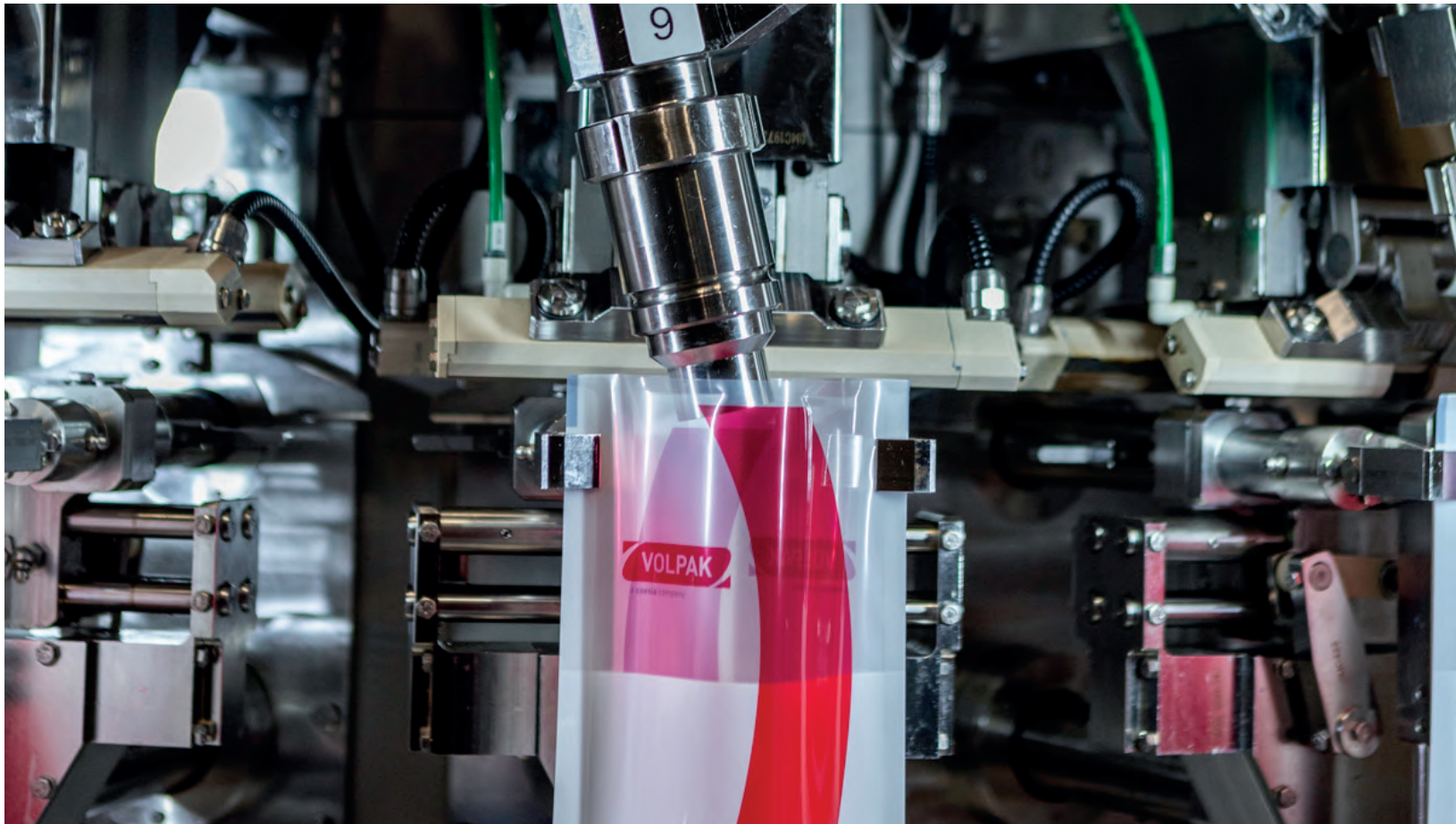
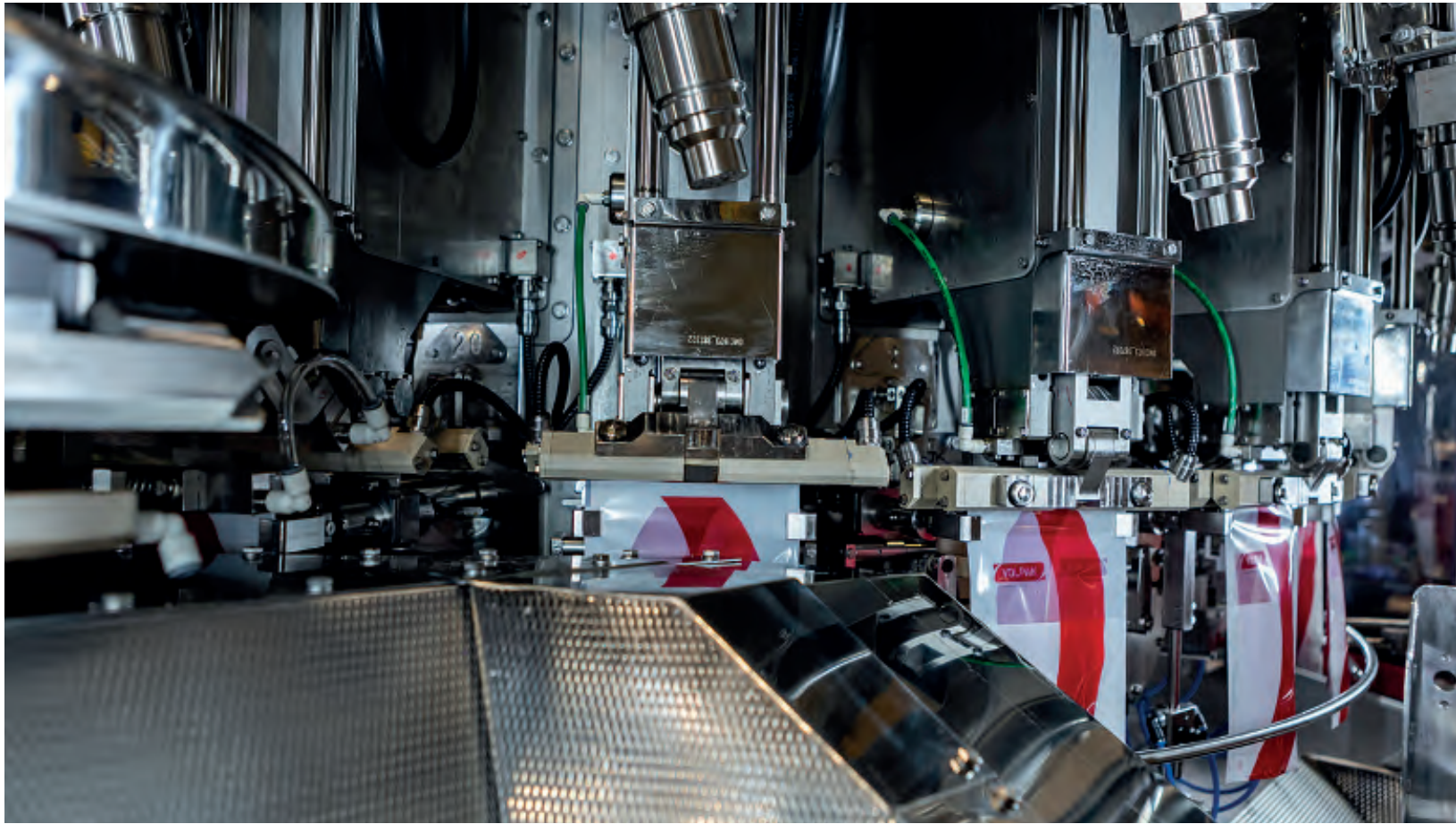
01 Machine Highlights

- Fast: Increasing production up to 300ppm
- Compact: Optimizing space thanks to small footprint
- Flexible: Using less material and producing less waste
- Connected: Featuring future-proof advanced technologies
- Sustainable: Suited for recyclable mono materials, compostable or paper-based pouches



02 Technical Specifications

		SC+ Premade 180	SC+ Premade 240	SC+ Premade 300
Min pouch size, W x H	mm	85 x 110 x 30	110 x 110 x 30	110 x 110 x 30
Max pouch size, W x H	mm	180 x 400 x 120	240 x 400 x 120	300 x 400 x 120
Max pouch volume	c.c	1000	2000	3000
Max output	ppm	250	250	200
Type of material		Heatsealable		
Max reel width	mm	N/A		
Max reel diameter	mm	N/A		
Core reel diameter	mm	N/A		
Consumption	kW	70		
Machine dimensions, L x A x H	mm	6900 x 5400 x 5200		



DIGITAL & SERVICES



COESIA DIGITAL:

The future has never been so human

Volpak focuses on the development of digital solutions that support people to do their job better and more easily, each and every day.

(optimize)

OptiMate is our proprietary smart HMI developed to facilitate the machine interaction and accelerate operations such as format change, troubleshooting, maintenance by enabling access to guided procedures and digital documentation directly on the machine.

(performate)

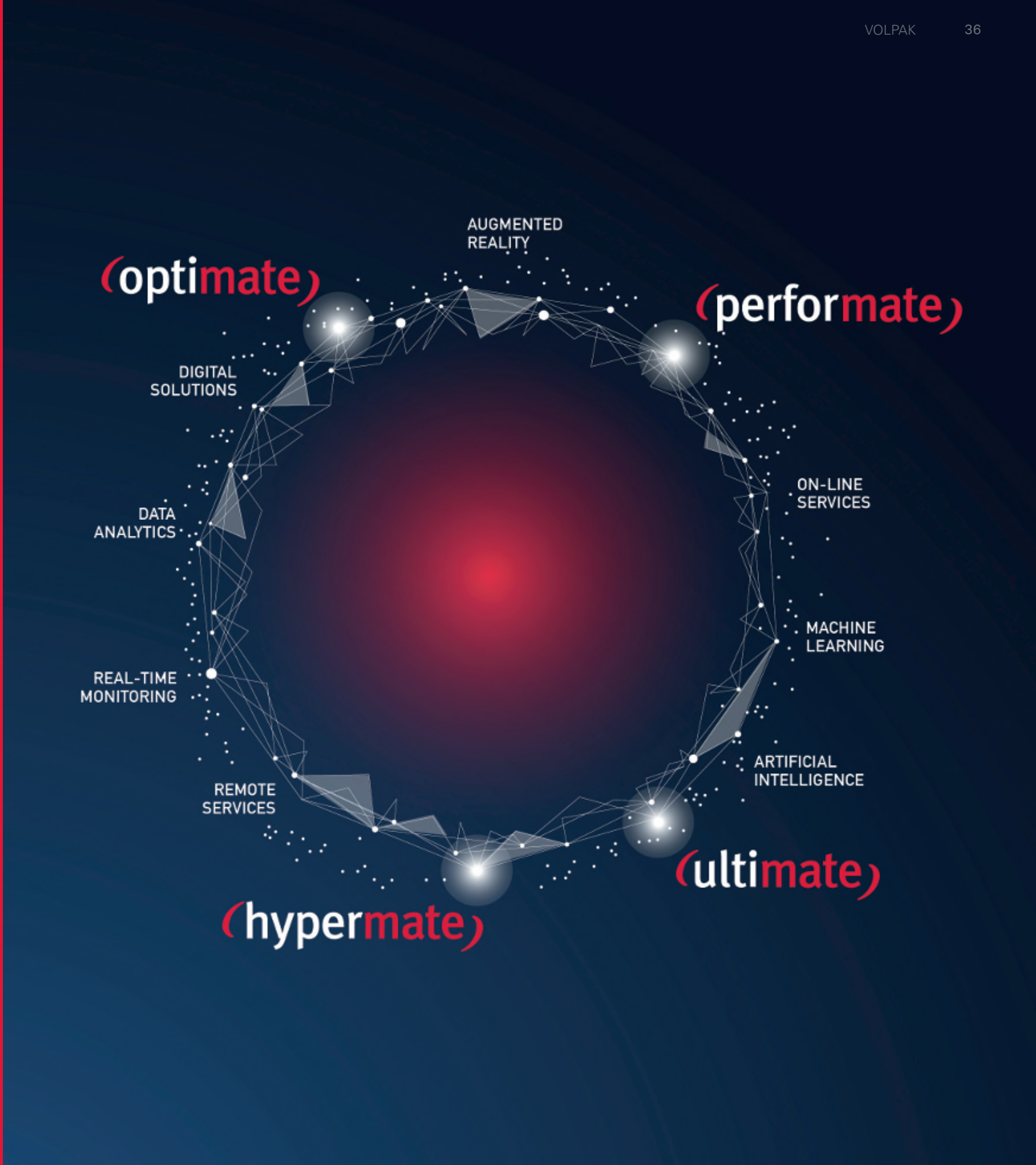
PerforMate is Coesia's IoT platform for real-time machine monitoring allowing manufact improve the control and performance of the entire machine pool, while acting as a single en to several innovative services.

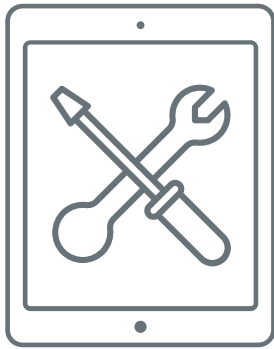
(ultimate)

UltiMate is our advanced software platform for artificial intelligence and machine learning designed to enhance productivity, quality and maintenance, lowering waste and optimizing total cost of ownership.

(hypermate)

HyperMate is Coesia's end-to-end solution for Manufacturing Operations Management aimed at achieving complete digitalization of production processes. Thanks to its ability to adapt to customer processes, HyperMate improves operations by scaling automation to the factory level.





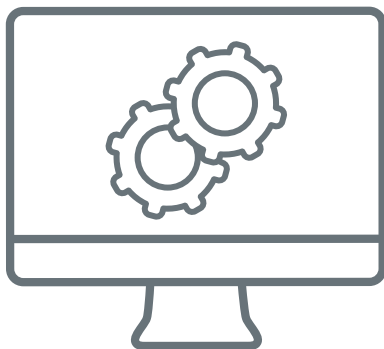
Remote Assistance



OEE Consulting



Service Agreements



Webshop

CUSTOMERS FIRST: Volpak customer service

For us, Customer Service means ensuring proactive and continuous support- leveraging our global presence- in a fast, simple and flexible way manner, to guarantee the best possible Overall Equipment Effectiveness (OEE) and the lowest Total Cost of Ownership (TCO) for all Volpak and Enflex machines.

We offer a comprehensive portfolio of services for full equipment lifecycle management striving to keep up the pace with an evolving world.

Webshop

Webshop is our online platform to manage and monitor spare parts orders quickly and efficiently. Clear graphical interface, photographic catalog and the possibility to search and select components in different ways make Volpak’s webshop extremely intuitive and easy to use.

Machine Assessment

Machine Assessment is our service to identify and implement solutions that improve performances and contain costs. It is based on inspections performed by qualified Volpak technicians who evaluates the machine status and collects all the data to provide suggestions for tailored interventions:

- part replacement and machine upgrades
- technical assistance and maintenance
- tailored training

Training / E-training

Obtain the maximum performance of your machine by taking advantage of our Training Services to secure and develop your team competence and capability.

Remote Assistance

Thanks to advanced remote connectivity and collaboration tools, video and augmented reality, Volpak is able to provide remote technical support and diagnosis in real time.

Service Agreements

A suite of structured services that may be customized based on customer needs to optimize maintenance, ensure the best possible conditions of use and maximum productivity.

POUCH LAB:


Our approach to sustainability


At Volpak, not only do we design packaging machines ready-to-work with sustainable materials, but we also work close to our customers to find more environmentally friendly packaging materials.

In our PouchLab laboratory, our customers can test the behavior of the different materials in a real production environment.






85
PRODUCTION
PLANTS
in 139 OPERATING UNITS


36
COUNTRIES


8,000+
EMPLOYEES


20
COMPANIES
with HEADQUARTERS
in 8 COUNTRIES

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Volpak, part of Coesia Group, is one of the leading brands of horizontal form-fill-seal (HFFS) machines for flexible packaging in the consumer goods market. It designs and manufactures automatic packaging machines for different markets: food & beverage, dairy, personal care, home care, chemical, pharmaceutical, pet care, tea, and coffee.



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