



SP-SERIES HORIZONTAL POUCH MACHINES



Food



Beverage



Personal Care



Home Care



Chemical



Pharma

Volpak, founded in 1979, is the pioneer and the leading brand in the design and manufacturing of HFFS machines for flexible packaging in Consumer goods markets, as: food & beverage, personal care, home care, chemical and pharmaceutical.

Volpak boasts the most specialized range of packaging machines for pouches which can pack a great variety of products, such as granules, powder, liquid, paste, towelettes in pouches with 3 or 4 sealings, pouches with bottom, stand up pouches, specially shaped pouches, with easy opening systems such as zippers, caps, straws, degassing valves, etc., with outputs up to 400 pouches per minute.

The SP series has been designed in such a way that all its interior kinematics is isolated, with special interest in easing the accessibility to all mechanisms, with control systems and automatic adjustments that enable achieving the highest rates of performance and efficiency.

This fact along with its easy operation, low maintenance requirements and absence of corners, make this the ideal machine for the food, pharmaceutical, chemical and cosmetic markets.

Because of this modularity, with the SP series Volpak offers a wide range of horizontal packaging machines, from SP 70 to SP 220, each one optimised for very specific applications, with the guarantee of common mechanisms which have been tested in all working conditions.

Together we will create your innovative flexible packaging. Co-innovation is the way to achieve it.

ADVANCE REMOTE ASSISTANCE: ARA

ARA, makes life easier

At Volpak, good service starts with planned prevention and all SP machines are equipped with ARA, an Advance service for Remote Assistance, developed by Volpak leveraging the potential of the internet.

With a simple click, an experienced Volpak technician immediately steps into the machine, being able to generate a quick diagnosis and give assistance.

A flexible tool right where and when you need it, allowing remote access to the PLC and direct interaction with customer maintenance team members with the use of common multimedia tools.

Feel safe with the most experienced engineers at your disposal at any time, and ensure maximum machine availability.

Be supported, feel supported.



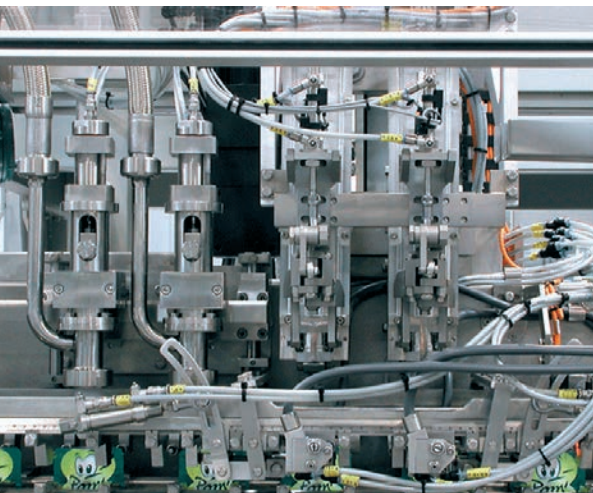
FEATURES

APPLICATIONS

The machines of the SP series have been designed enabling quick conversion for multiple applications. Top cap or drinking straw for the exclusive DuoPouch, two ideal presentations for products to consume on-the-go. Multiple top seal individual jaws, ultrasonic heat seal welding for leak-proof pouches and high quality standards of pouch finishes.

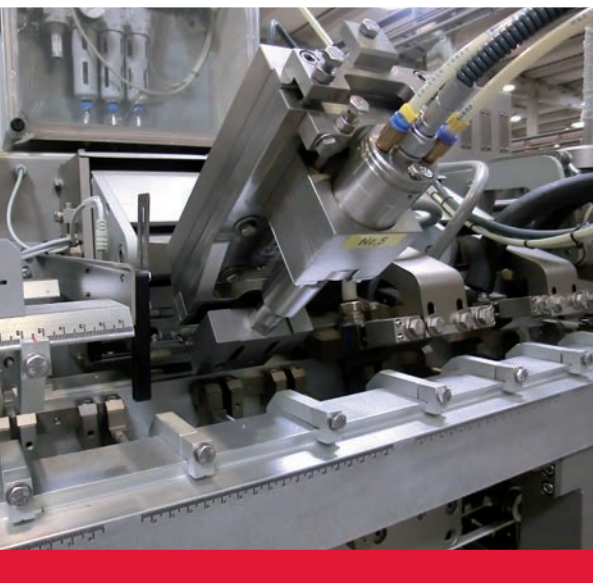
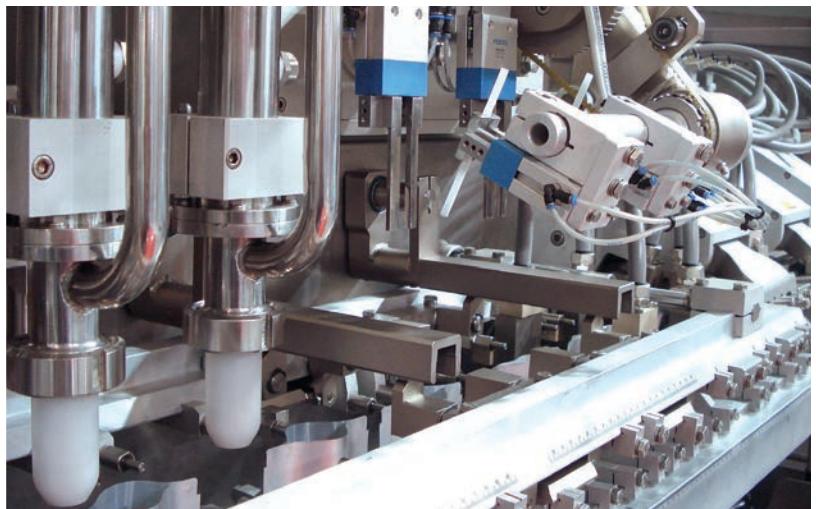
Top: Top cap applicator.

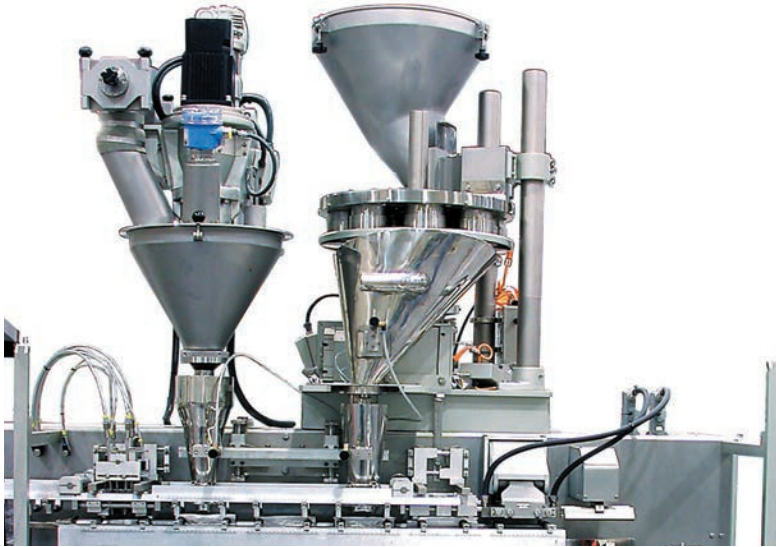
Down: Ultrasonic top seal.



Top: DuoPouch straw insertion.

Down: Top seal jaws open and accessible.





Top: Auger filler and volumetric cup filler.
Down: Croutons vibratory filler.



Magnetic inductive liquid filler.

FILLING SYSTEMS

Volpak developed a wide range of different filling systems suitable for a large variety of different products, powders, granules, liquids, pastes, etc. In the laboratory for products, these are tested to determine the specific characteristics required to the filler in accordance with the product to fill, doses and production conditions.



FLEXIBLE: THE SUSTAINABLE PACKAGING

Flexible packaging provides great environmental benefits to manufacturers, distributors and consumers throughout the package's life cycle.

The flexible packaging produces less CO₂ compared to most of the packages in the market and it significantly improves the product/package ratio, thus becoming the most sustainable packaging.

The minimum volume of waste, once it has been consumed, represents a considerable saving in the waste collection process.

BENEFITS OF FLEXIBLE PACKAGING

- Attractive brand presentation: different forms & shapes. It can be tailored to fit your needs
- Long shelf life thanks to preservation of flavour, texture minerals and vitamins, through use of barrier materials
- Easy to carry thanks to flexible and lightweight characteristics
- Less waste volume
- Recloseable and reusable. Features such as zip locks, spouts, and resealable seals make usage more convenient
- Convenient

POUCH RANGE

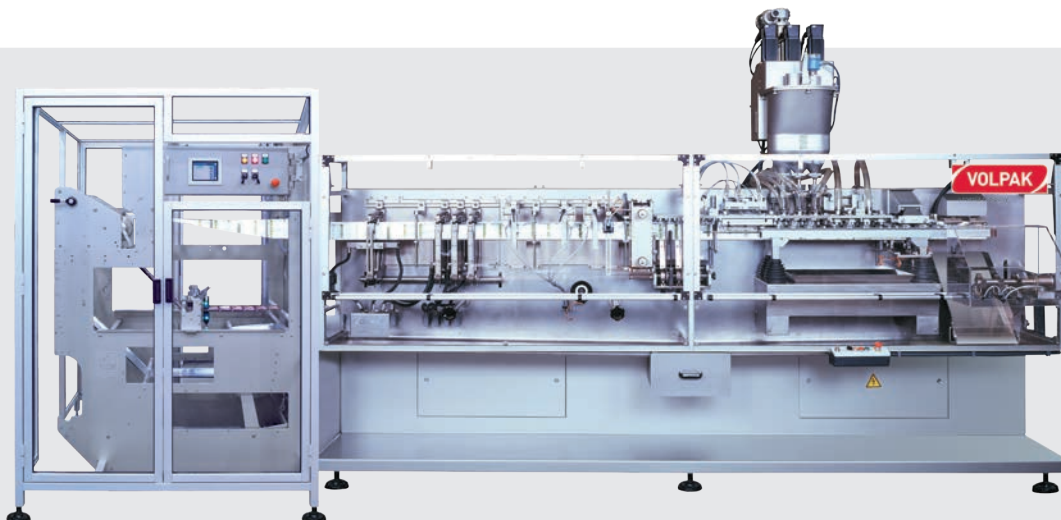
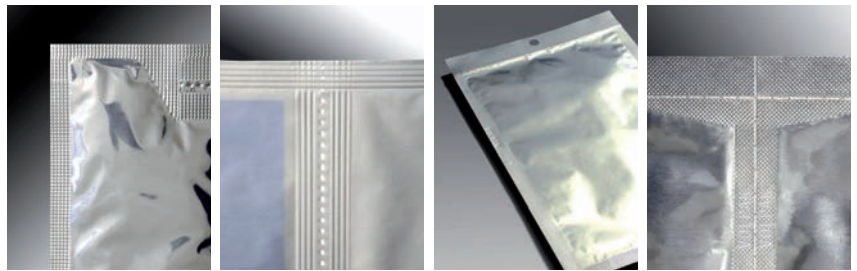


SP-70 HIGH OUTPUT

The model SP-70 has been designed to reach outputs up to 360 pouches per minute. Therefore all the mechanisms have been designed to work in Triplex or Quadruplex, that is producing 3 or 4 pouches per machine cycle.

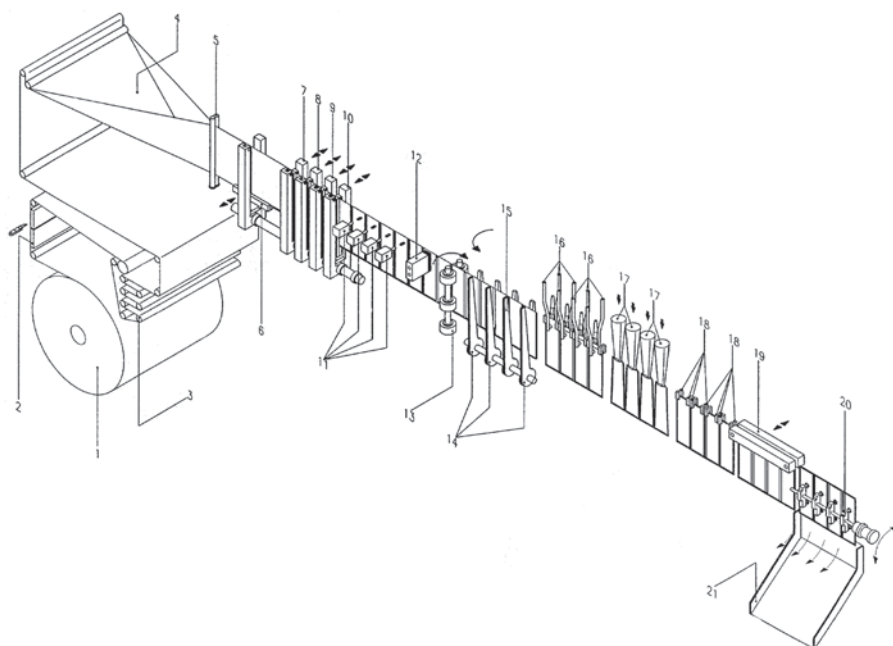
This model reaches high output levels without limiting the advantages offered by the horizontal packaging machines as compared to other types of machines, such as flexibility, dose precision, air-tightness, sealing guarantee and the quality of the finished pouch.

POUCH MODEL



ENHANCED EFFICIENCY

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 stretcher
19. Top sealing
20. Pick & Place discharge transfer
21. Reject ramp



TECHNICAL DATA

		TRIPLEX	CUADRUPLIX
Pouch format (W x H x G)	min. (mm)	45 x 50	45 x 50
	max. (mm)	93 x 240	70 x 240
Volume with gusset	max. (cc).	150 / -	80 / -
Output (pouches/min)	up to:	270	360
Film material		Heatsealable	
Reel dimensions (mm)	Diam. max.	600	
	Width max.	480	
	Core diam.	70 / 72	
Electrical data		220, 380, 440 V / 50, 60 Hz	
Machine dimensions	(mm; L x A x H)	5000 x 1200 x 1800	
Net weight	Kg (approx.)	5500	

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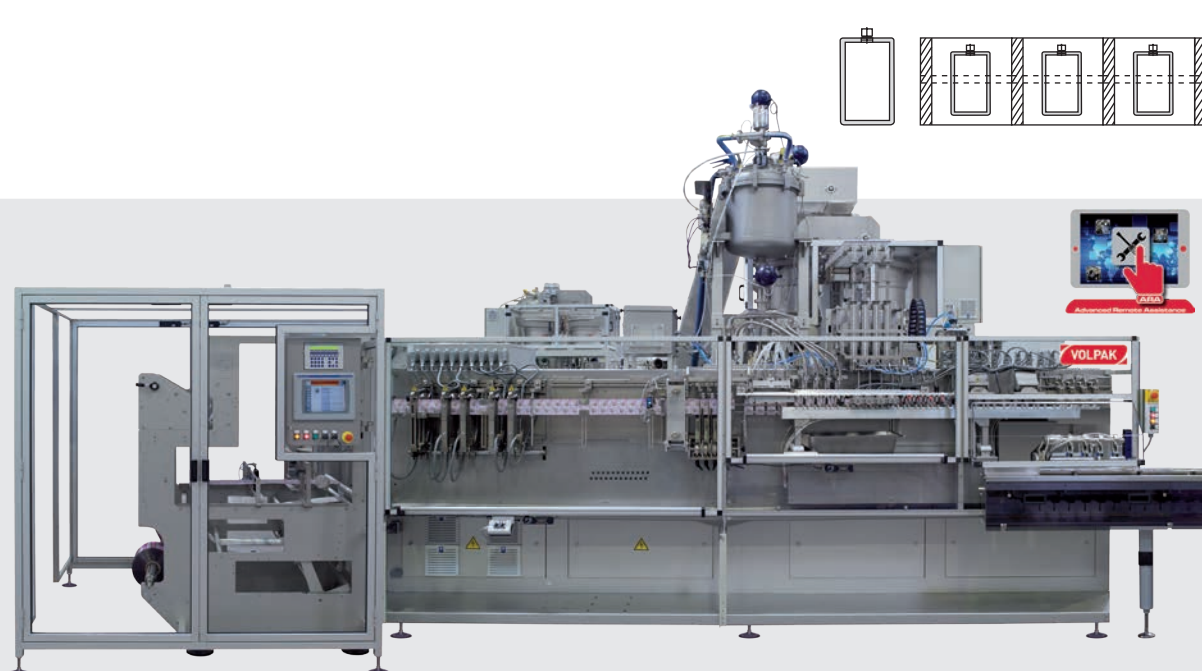
SP-70TC SPOUTED SACHET

Packaging machine that manufactures flat pouches with top cap at 240 pouches/min.

Compact, with a precise 4 lane cap applicator including cap insertion and sealing. For the perfect alignment of the pouches and caps, the SP-70 TC machine equips a dedicated station to individually adjust the position of each pouch.

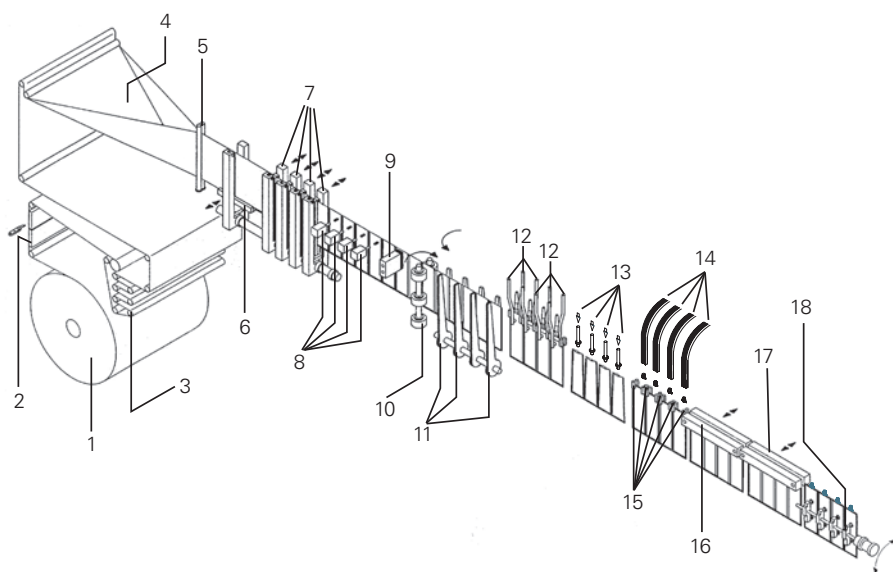
Pouch exit by means of a pick&place transfer discharging the pouches on to an exit belt or a primary inlet belt of a flow wrapper.

POUCH MODEL



ENHANCED EFFICIENCY

1. Reel
2. Splicing table
3. Unwinder
4. Film folder
5. Film guides
6. Bottom seal
7. Vertical seals
8. Emboss Coding
9. Photocell
10. Servo roller for film transport
11. Individual pouch cutters
12. Pouch opening
13. Filling station
14. Cap feeding
15. Cap sealing
16. Top sealing
17. Top cooling
18. Front pick & place discharge transfer



TECHNICAL DATA

SP-70 TC

Pack style

Flat pouch with top cap

Pack size (W x L)

55 x 95 / 70 x 120

Pack material

Heatsealable

Speed

(ppm)

240

Max reel diam.

(mm)

600

Equipment dimensions

(mm)

10260 x 3445 x 3045

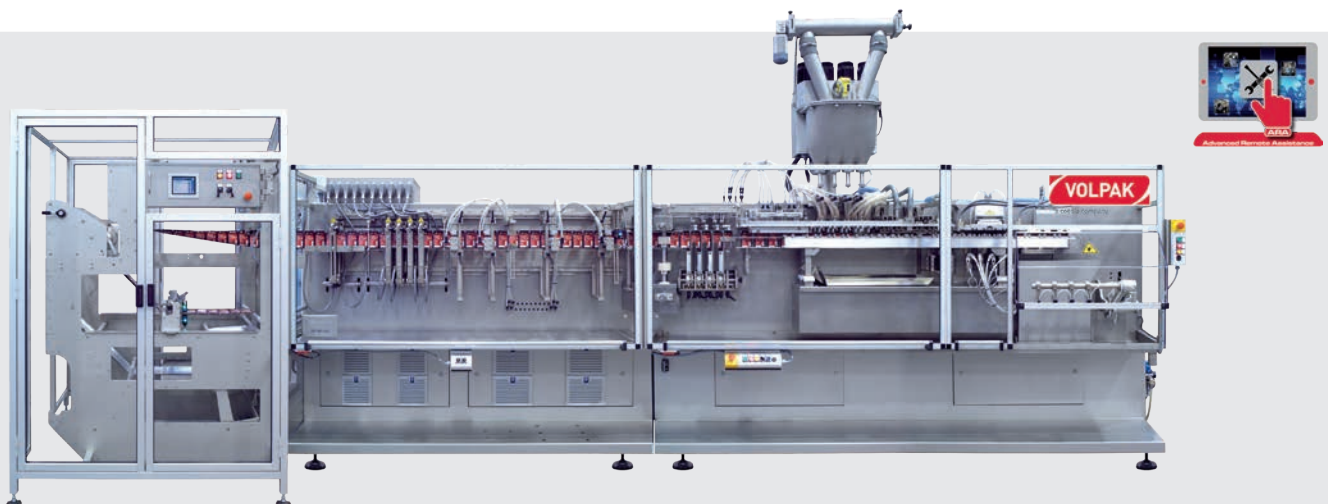
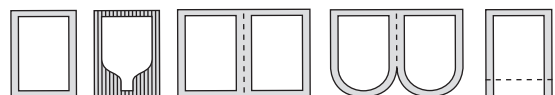
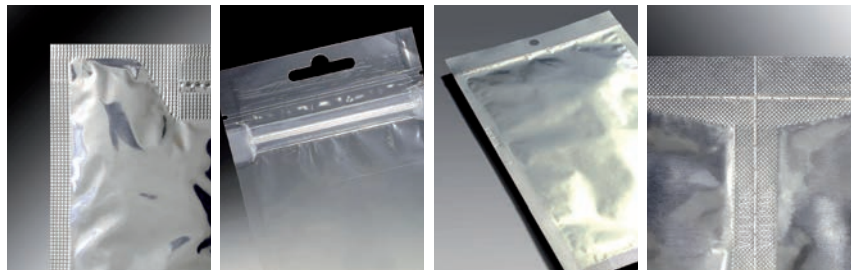
SP-90

HIGH OUTPUT & VERSATILE

The model SP-90 has been designed to reach outputs up to 360 pouches per minute, with all the mechanisms designed to work in Triplex or Quadruplex, e.g. producing 3 or 4 pouches per machine cycle.

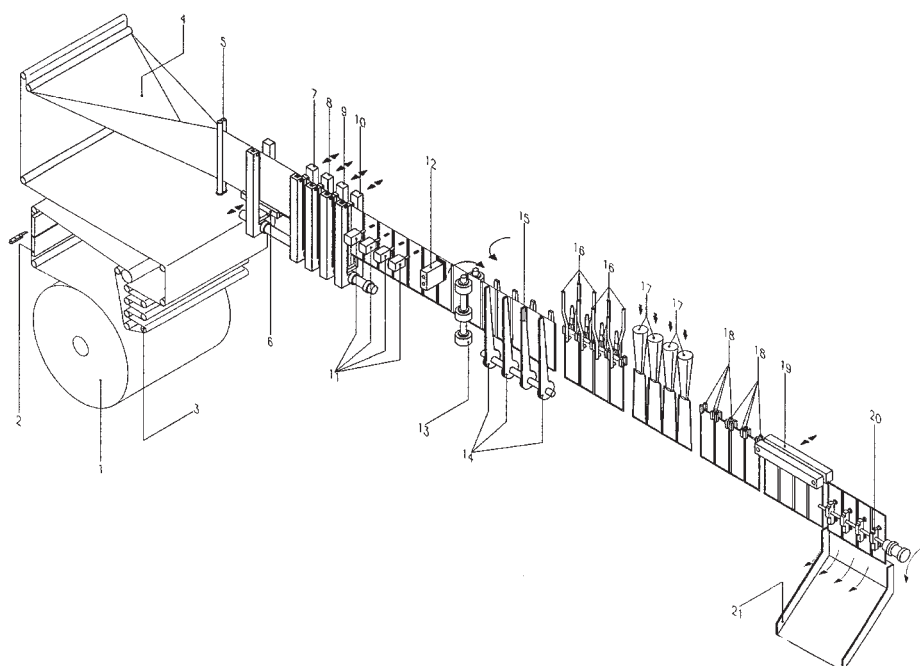
This model reaches high output levels without limiting the advantages offered by the horizontal packaging machines as compared to other types of machines, such as flexibility, filling precision, air-tightness, sealing guarantee and the high quality of the finished pouch.

POUCH MODEL



ENHANCED EFFICIENCY

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 stretcher
19. Top sealing
20. Pick & Place discharge transfer
21. Reject ramp



TECHNICAL DATA

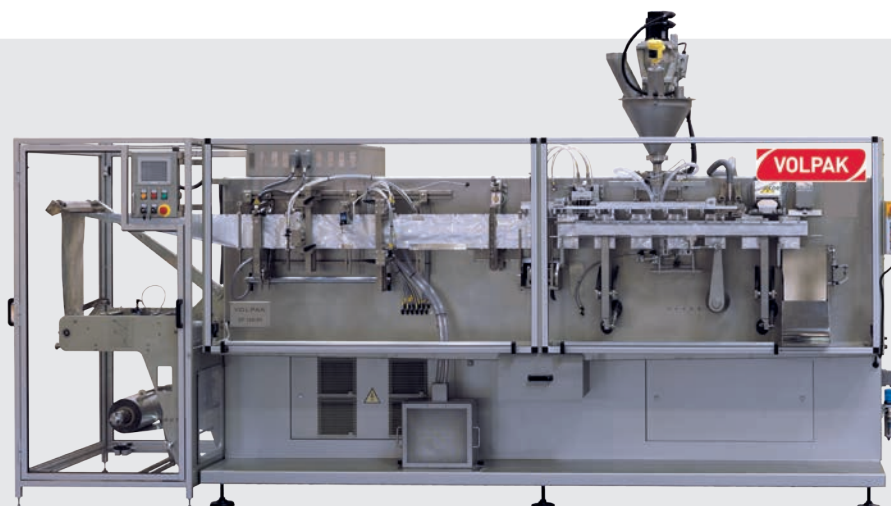
		TRIPLEX	CUADRUPLEX
Pouch format (W x H x G)	min. (mm)	45 x 50	45 x 50
	max. (mm)	120 x 240	90 x 240
Volume with gusset	max. (cc).	180 / -	100 / -
Output (pouches/min)	up to:	270	360
Film material		Heatsealable	
Reel dimensions (mm)	Diam. max.	600	
	Width max.	480	
	Core diam.	70 / 72	
Electrical data		220, 380, 440 V / 50, 60 Hz	
Machine dimensions	(mm; L x A x H)	6765 x 1650 x 1800	
Net weight	Kg (approx.)	6400	

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SP-150 YOUR FIRST DOYPACK

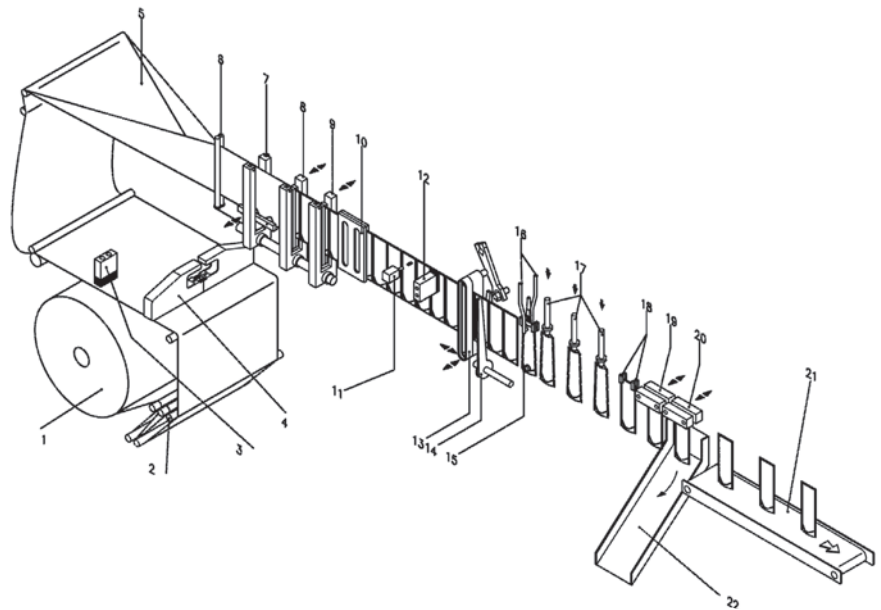
Horizontal form fill and seal machines for small and medium sized flat and stand up pouches, including shapes and pouring cap systems. This machine offers production rates of up to 160 pouches per minute.

POUCH MODEL



ENHANCED EFFICIENCY

1. Reel
2. Unwinder
3. Photocell gussed perforator
4. Gussed perforator
5. Forming plough
6. Film guides
7. Bottom seal
8. 1st vertical seal
9. 2nd vertical seal
10. Cooling bar
11. Tear notch
12. Photocell
13. Film transport
14. Knife
15. Bottom pouch opener
16. Top pouch opener
17. Filling station
18. Pouch stretcher
19. Top sealing
20. Cooling
21. Outfeed belt
22. Reject ramp



TECHNICAL DATA

		SIMPLEX	DUPLEX
Pouch format (W x H x G)	min. (mm)	70 x 90 x (30)	50 x 60
	max. (mm)	150 x 225 x (70)	85 x 225
Volume with gusset	max. (cc).	380 / 750	80 / -
Output (pouches/min)	up to:	80 / -	160
Film material		Heatsealable	
Reel dimensions (mm)	Diam. max.	500	
	Width max.	520	
	Core diam.	70 / 72	
Electrical data		220, 380, 440 V / 50, 60 Hz	
Machine dimensions	(mm; L x A x H)	4200 x 1200 x 1800	
Net weight	Kg (approx.)	4000	

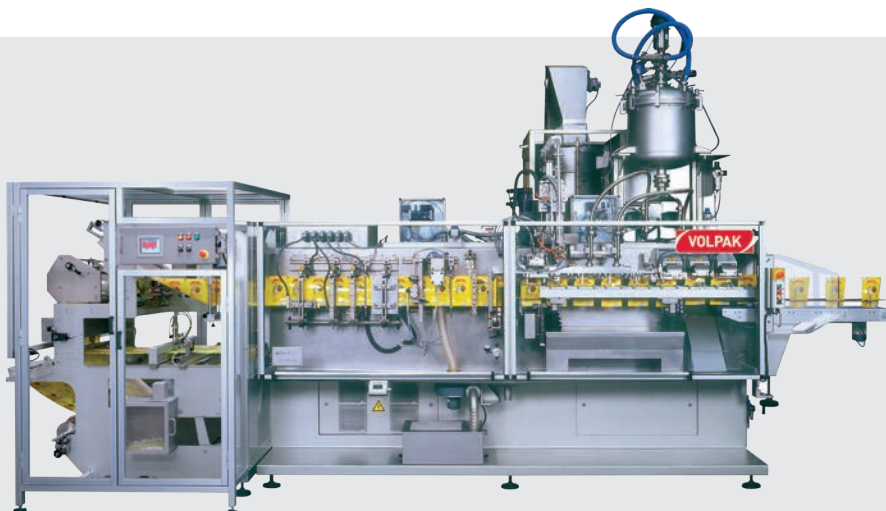
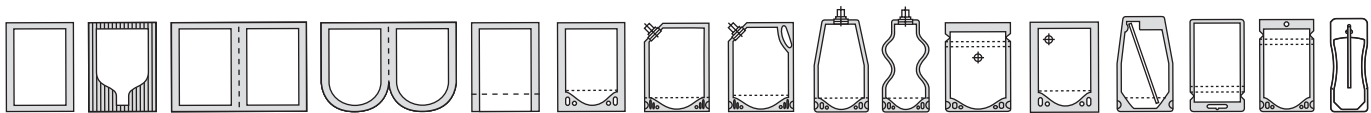
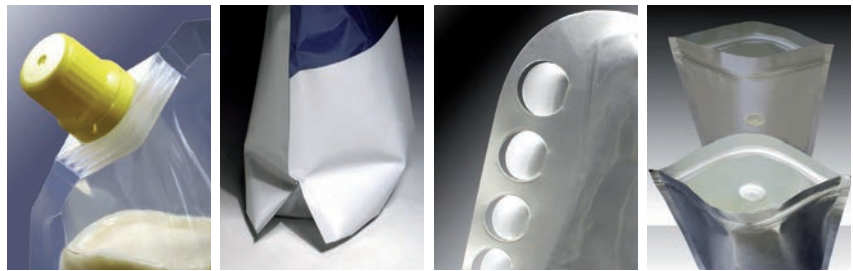
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SP-170 UNIVERSAL & MULTIFUNCTIONAL

Its extreme versatility offers the capability to produce from flat pouches in Duplex to 1 litre stand up pouches with zipper, pouring caps, straws, membrane pouches and the exclusive DUO pouches.

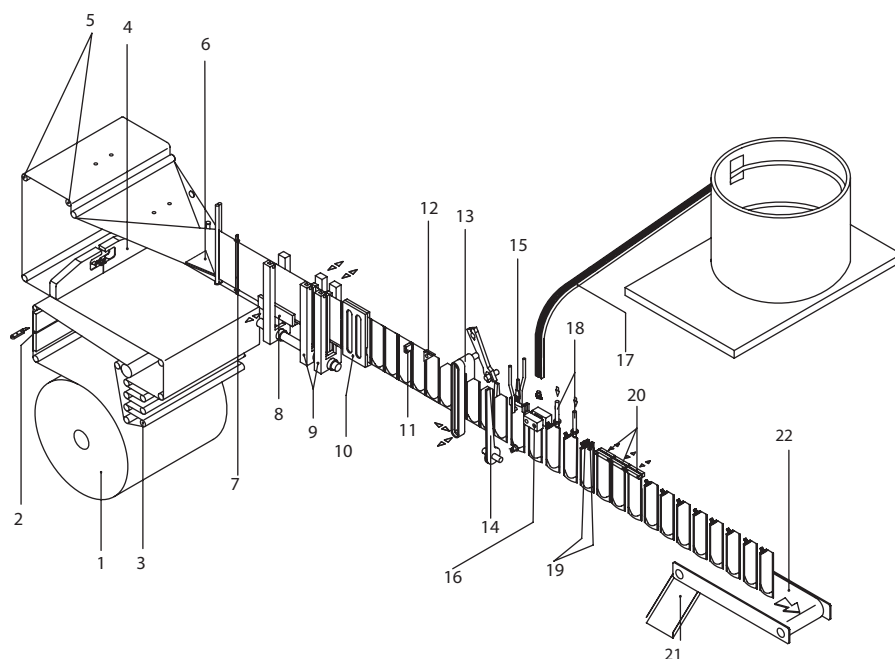
This is the ideal machine to pack sauces, grated cheese with controlled atmosphere, chocolates, sweets, juice and dehydrated ready cooked dishes with more than one component.

POUCH MODEL



ENHANCED EFFICIENCY

1. Reel
2. Film splicing
3. Unwinder
4. Perforator
5. Reel aligner
6. Forming triangle
7. Film guides
8. Bottom seal
9. Vertical seal
10. Cooling and flattening
11. Photocell
12. Die cut
13. Film transport
14. Knife
15. Pouch opening
16. Cap insertion and sealing
17. Cap feeding
18. Filling stations
19. Pouch stretching
20. Cap and pouch top seal and cooling
21. Reject ramp
22. Outfeed belt



TECHNICAL DATA

		SIMPLEX	DUPLEX
Pouch format (W x H x G)	min. (mm)	70 x 90 x (30)	50 x 60
	max. (mm)	170 x 270 x (100)	85 x 270
Volume with gusset	max. (cc).	550 / 1000	130 / -
Output (pouches/min)	up to:	100	200
Film material		Heatsealable	
Reel dimensions (mm)	Diam. max.	600	
	Width max.	640	
	Core diam.	70 / 72 - 150 / 152	
Electrical data		220, 380, 440 V / 50, 60 Hz	
Machine dimensions	(mm; L x A x H)	4300 x 1650 x 1800	
Net weight	Kg (approx.)	4750	

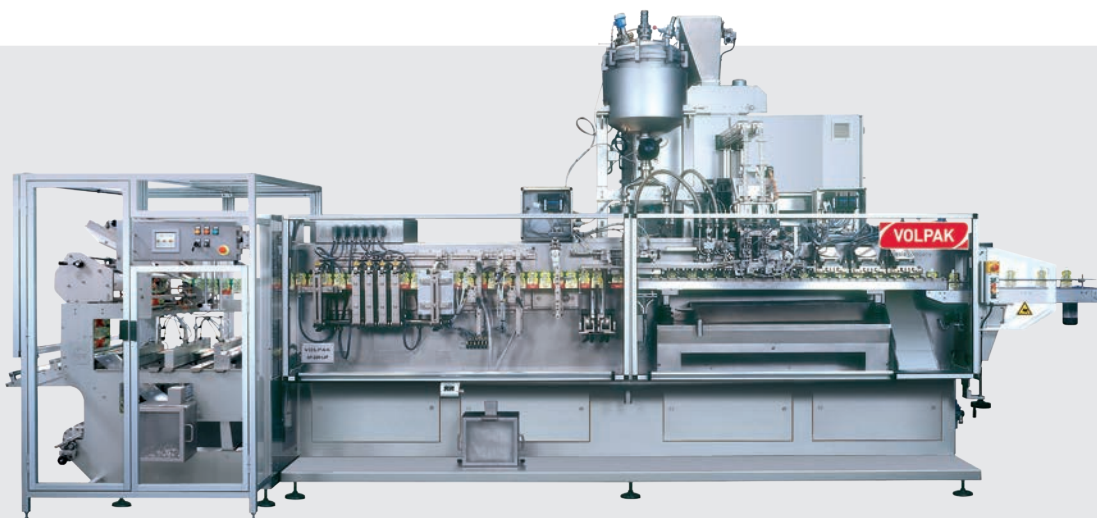
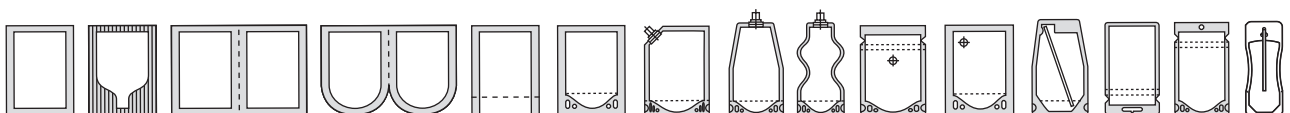
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SP-220 THE DUPLEX DOYPACK

The open design and easy access to all the mechanisms make the SP-220 as well as the other machines in the SP series, the ideal equipment for those customers who look for easy handling and low maintenance cost.

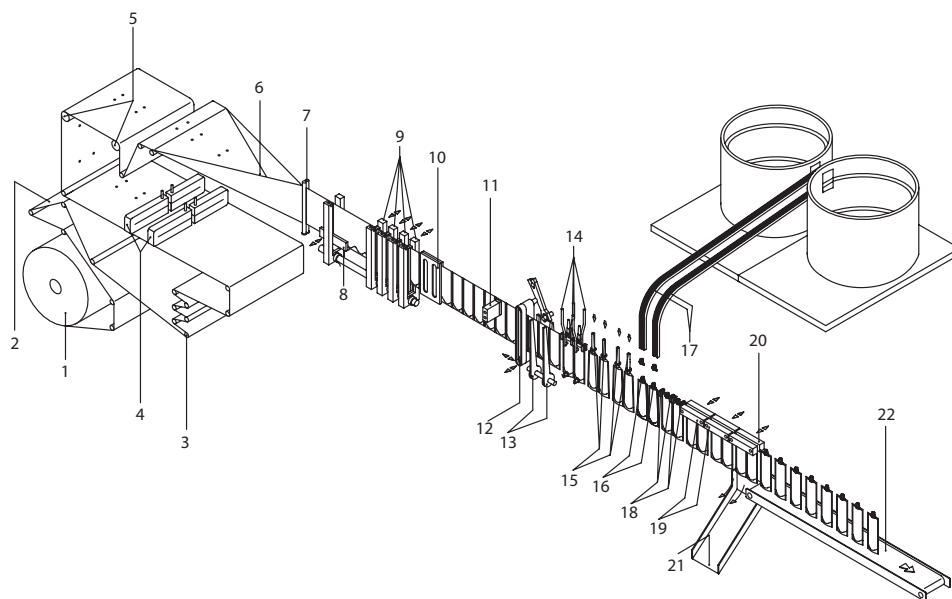
This is the machine developed mainly to meet the requirements of the beverage industry, such as fruit juice, isotonic beverages, as well as salad dressings where Volpak is the undisputed leader.

POUCH MODEL



ENHANCED EFFICIENCY

1. Reel
2. Film splicing
3. Unwinder
4. Perforators
5. Reel aligner
6. Forming triangle
7. Film guides
8. Bottom seal
9. Vertical seal
10. Cooling and flattening
11. Photocell
12. Film transport
13. Knife
14. Pouch opening
15. Filling stations
16. Cap insertion and sealing
17. Cap feeding
18. Pouch stretching
19. Cap and pouch top seal
20. Cooling
21. Reject ramp
22. Outfeed belt



TECHNICAL DATA

		SIMPLEX	DUPLEX
Pouch format (W x H x G)	min. (mm)	70 x 90 x (30)	50 x 90 x (30)
	max. (mm)	220 x 270 x 100	110 x 270 x 60
Volume with gusset	max. (cc).	550 / 750	230 / 350
Output (pouches/min)	up to:	100	200
Film material		Heatsealable	
Reel dimensions (mm)	Diam. max.	600	
	Width max.	640	
	Core diam.	70 / 72 - 150 / 152	
Electrical data		220, 380, 440 V / 50, 60 Hz	
Machine dimensions	(mm; L x A x H)	5650 x 1650 x 1800	
Net weight	Kg (approx.)	5750	

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COESIA GROUP: GLOBAL PRESENCE



coesia

coesia.com

Coesia is a group of innovation-based industrial and packaging solutions companies operating globally, headquartered in Bologna, Italy.

Coesia's companies are leaders in the sectors of:

- Advanced automated machinery and packaging materials
- Industrial process solutions
- Precision gears



a coesia company

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