



INDUSTRY 4.0



FLEXIBLE



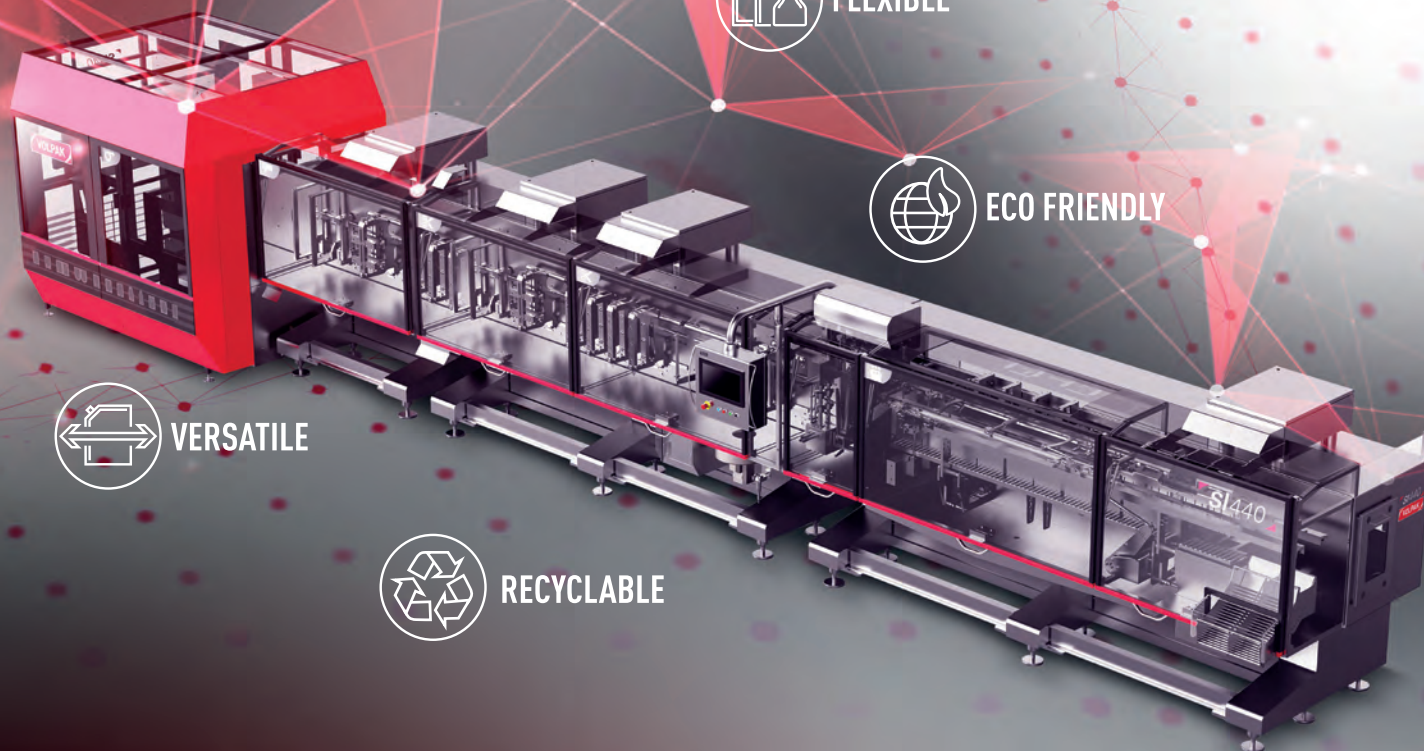
ECO FRIENDLY



VERSATILE



RECYCLABLE



SI SERIES

CONNECTED TO THE FUTURE



a coesia company

DISCOVER THE NEW VOLPAK SI SERIES

The most versatile and flexible horizontal form fill and seal machine in the market, is now faster, with larger pouch capabilities, smart factory connectivity and recycable ready.

Thanks to Volpak SI Series you can take your business into the future!

- **Smart** with asset performance evaluation, central data storage, web-based self-diagnosis system and plug & play interconnectivity
- **Versatile**, with throughputs up to **360ppm** from flat to stand up pouches (up to 3000ml)
- **Recyclable material ready**. Designed to run with a wide range of different materials: paper based, mono-materials, etc.
- **Quick size change over** with automatic regulations for unskilled operators
- **Adaptability** to new packaging designs, shapes, corner cap retrofit, top cap retrofitting



Industry 4.0



Versatile



Flexible



Ecofriendly



Recycable



Food



Beverage



Personal Care



Home Care



Chemical



Healthcare

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 is headquartered in Barcelona, Spain. The Company is part of Coesia Group, a group of innovation-based industrial solutions companies operating globally with direct organization locally distributed and headquartered in Bologna, Italy.

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

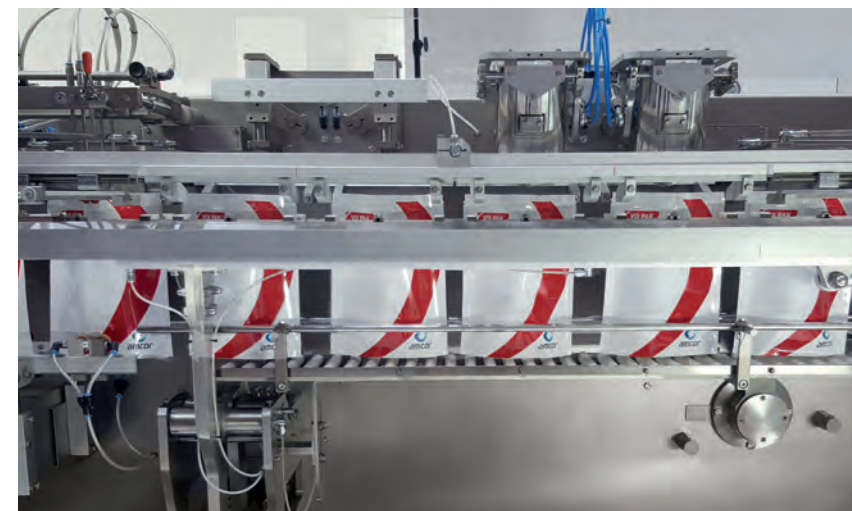
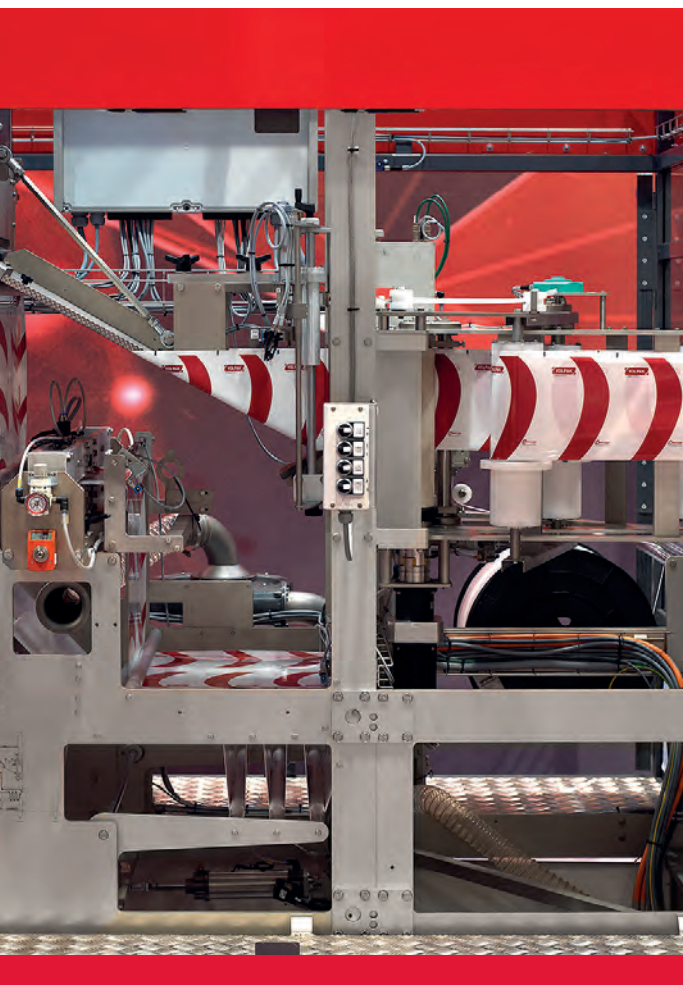
FEATURES

As standard, the SI machines are equipped with all features required to produce high quality pouches, help machine operators maintain the highest standards of efficiency and simplify size change over operation. All adjustable parts include numeric counters for easy and precise repositioning.

- Servo unwinder and continuous unwind as optional
- Seal to print feature
- Variable cycle with T.P.T (time, pressure, temperature in HMI settings)
- Pouch positioner with automatic setting as optional
- Quick changes of grippers for fast size change over

Continuous unwinding maintains constant film tension, allowing precise and even folding regardless reel winding tensions.

(TPT) Time, pressure, temperature seal control for optimum seal integrity of all film characteristics. Seal-to-Print system, predictive "on-the-fly" correction of seal jaws position in relation with the film printing



Pouch opening and stretching programmed per each size and film specs through HMI, allowing automatic size change over.

Reduced set up time thus minimizing waste.



Pouch positioner with automatic size change over feature.

50% reduction of change over time.

SUSTAINABLE MATERIALS READY AND FAST SIZE CHANGE OVER

At the forefront of packaging material handling and pouch forming equipment, Volpak has developed specific technical solutions for sustainable materials such as paper based, All-PE, All-PP structures.

POUCH LAB

Volpak always committed to sustainability and environment has invested in a laboratory at the service of the industry. This new area, in Volpak premises, we have named PouchLab, to serve as an R&D Excellence Center to support our customers and stakeholders in developing sustainable pouch solutions, combining knowledge and experience of machine and materials.

If you are:

- Committed to improve sustainability?
- Exploring new materials for your products?
- Looking to optimize the package size?
- Considering down gauging?
- Willing to set standards for your packaging?
- Exploring the limits of resistance of your packaging?
- Selecting new packaging film suppliers?

Then Volpak is your partner!



Eco friendly



Recyclable



Reduce film cost



Innovate



FLEXIBLE PACKAGING CAN MAKE A DIFFERENCE FOR PEOPLE AND THE ENVIRONMENT

	FOSSIL FUEL USAGE (MJ- EQUIVALENT) '000	GREENHOUSE GAS EMISSION (KG-CO ₂ EQUIVALENT) '000	WATER USAGE (LITERS) '000	PRODUCT TO PACKAGE (WEIGHT PERCENTAGE)	TRANSPORT (EMPTY UNITS PER TONNE) '000
FLEXIBLE PACKAGING	89	5	12	3%	204
COMPOSITE CARTON	95	6	72	4%	108
ALUMINIUM CAN	276	27	92	5%	109
GLASS BOTTLE	327	26	210	35%	6

POUCH RANGE



SI 280

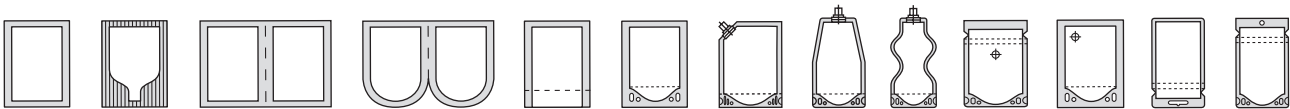
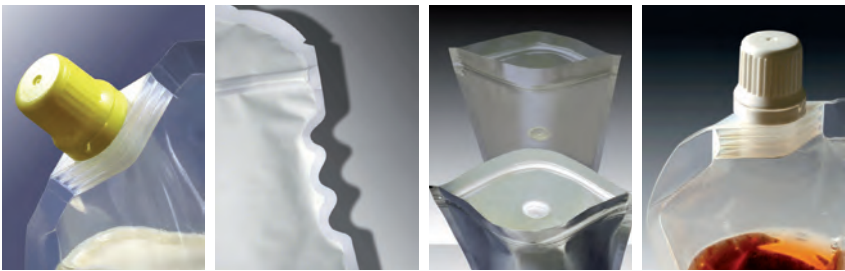
COMPACTNESS & RELIABILITY

The ideal machine for stand up pouches of up to 600 ml capacity, offering flexibility in size change over, with the added capability to produce large pouches volume up to 2,5 lit.

The new SI 280 turns changing format into a controlled process by guiding the operator and leaving no room for improvisation.

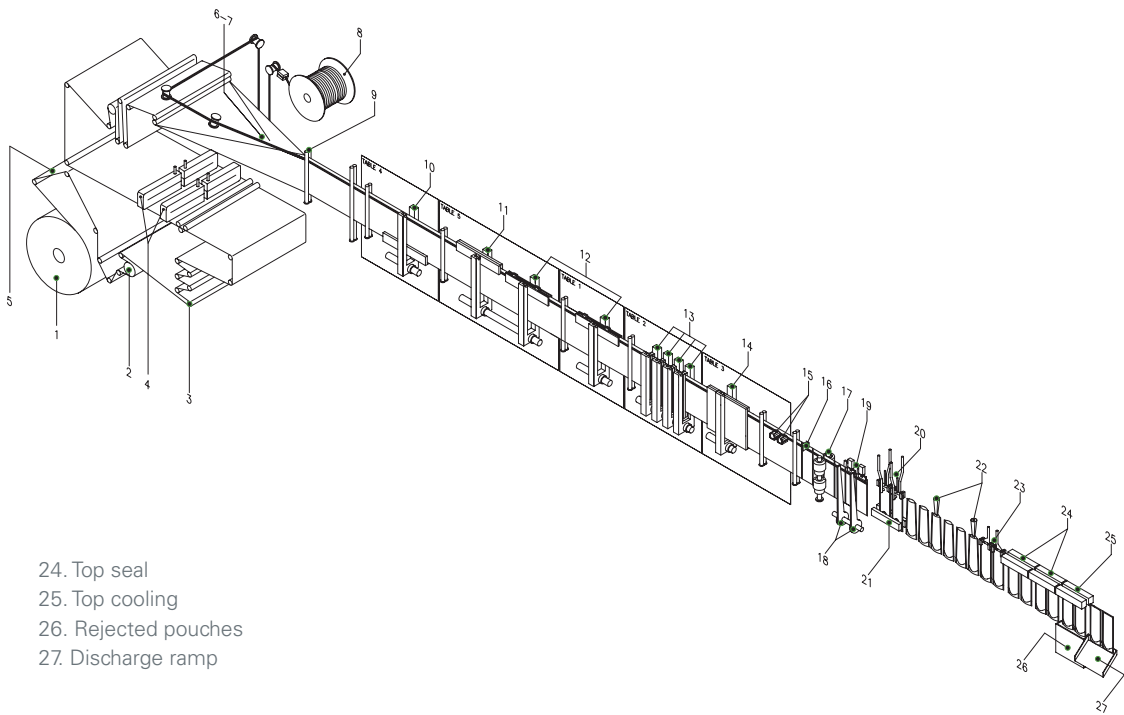
Compactness and reliability are also two additional characteristics that best define the SI 280 model.

POUCH MODEL



ENHANCED EFFICIENCY

1. Reel
2. Pull roller
3. Unwinder arm
4. Gusset perforators
5. Splicer table
6. Film alignment
7. Forming triangle
8. Zipper reel
9. Film guides
10. Bottom seal
11. Zipper seal
12. Zipper flatter
13. Vertical seal
14. Cooling plate
15. Tear notch
16. Photocell
17. Servo rollers
18. Knife
19. Positioning pouch
20. Pouch opening
21. Bottom opening
22. Filling stations
23. Pouch stretching



24. Top seal
25. Top cooling
26. Rejected pouches
27. Discharge ramp

TECHNICAL DATA

		SIMPLEX	DUPLEX	TRIPLEX
Pouch format (W x H x G)	min. (mm)	140 x 110 x 30	80 x 110 x 30	80 x 110 x 30
	max. (mm)	280 x 310 x 105	140 x 310 x 80	90 x 310 x 45
Volume with gusset	max. (cc).	2500	600	150
Output (pouches/min)	up to:	60	120	195
Film material		Heatsealable		
Reel dimensions (mm)	Diam. max.	600		
	Width max.	745		
	Core diam.	Standard 152 mm / Optional 70 mm		
Electrical data		220, 380, 440 V / 50, 60 Hz		
Machine dimensions	(mm; L x A x H)	7300 x 1790 x 2020		
Net weight	Kg (approx.)	6000		

The information in this brochure is aimed at providing a broad overview of the equipment. Volpak reserves the right to make changes in the characteristics of its machines at any time.

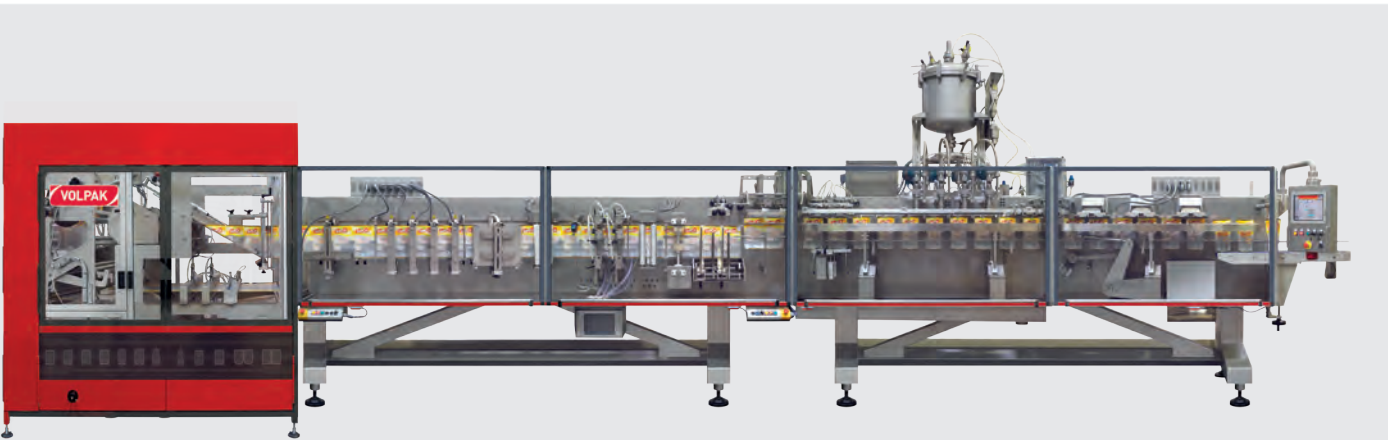
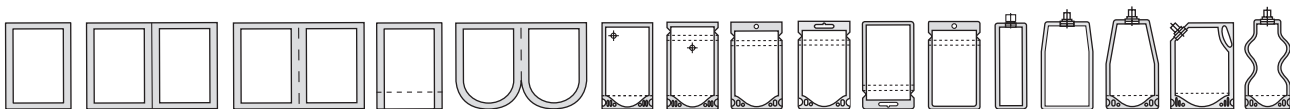
SI 360

FLEXIBILITY & SPEED

The SI line has been designed for customers who require high production levels without forgoing flexibility that can allows them to operate with different formats. The SI 360 be equipped to work in quadruplex at production rates of 240 pouches per minute and as well in triplex for a large pouch with 120 mm wide.

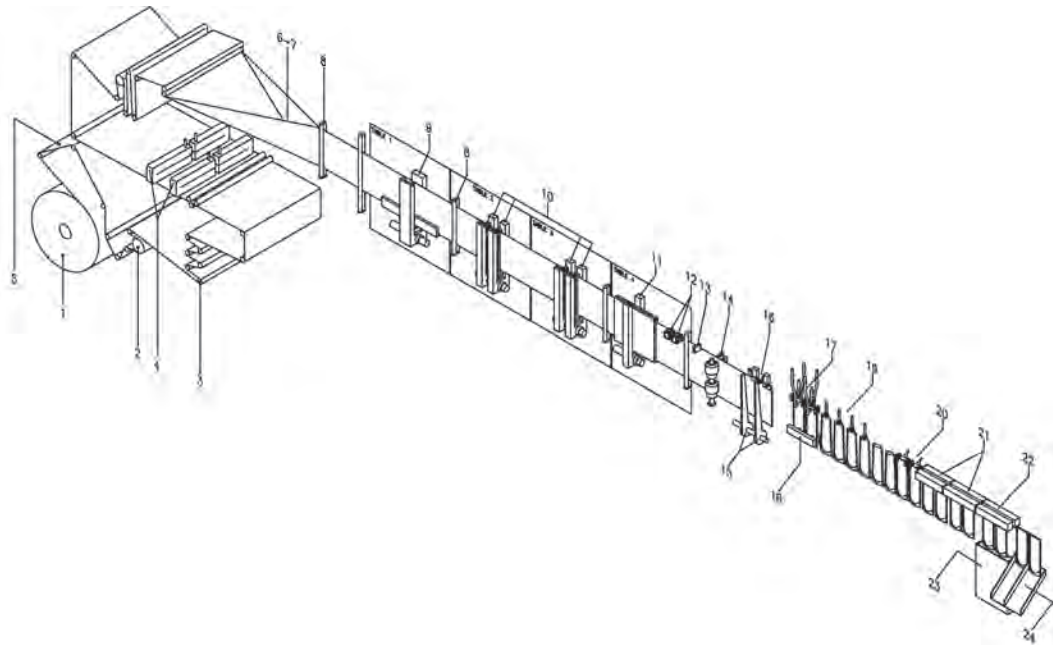
Furthermore, SI 360 Duplex version provides the option of working with pouches of up to 1,5 lit. at a production rate of around 100 pouches per minute.

POUCH MODEL



ENHANCED EFFICIENCY

1. Reel
2. Pull roller
3. Unwinder arm
4. Gusset perforators
5. Splicer table
6. Film alignment
7. Forming triangle
8. Film guides
9. Bottom seal
10. Vertical seal
11. Cooling plate
12. Round edges
13. Photocell
14. Servo rollers
15. Knife
16. Positioning pouch
17. Pouch opening
18. Bottom opening
19. Filling stations
20. Pouch stretching
21. Top seat
22. Top cooling
23. Pouch holding
24. Discharge ramp



TECHNICAL DATA

		DUPLEX	TRIPLEX	QUADRUPLEX
Pouch format (W x H x G)	min. (mm)	120 x 110 x 30	85 x 110 x 30	85 x 110 x 30
	max. (mm)	180 x 310 x 90	120 x 310 x 60	90 x 310 x 45
Volume with gusset	max. (cc).	1500	500	200
Output (pouches/min)	up to:	100	165	240
Film material		Heatsealable		
Reel dimensions (mm)	Diam. max.	600		
	Width max.	745		
	Core diam.	Standard 152 mm / Optional 70 mm		
Electrical data		220, 380, 440 V / 50, 60 Hz		
Machine dimensions	(mm; L x A x H)	9300x1790x2020		
Net weight	Kg (approx.)	8600		

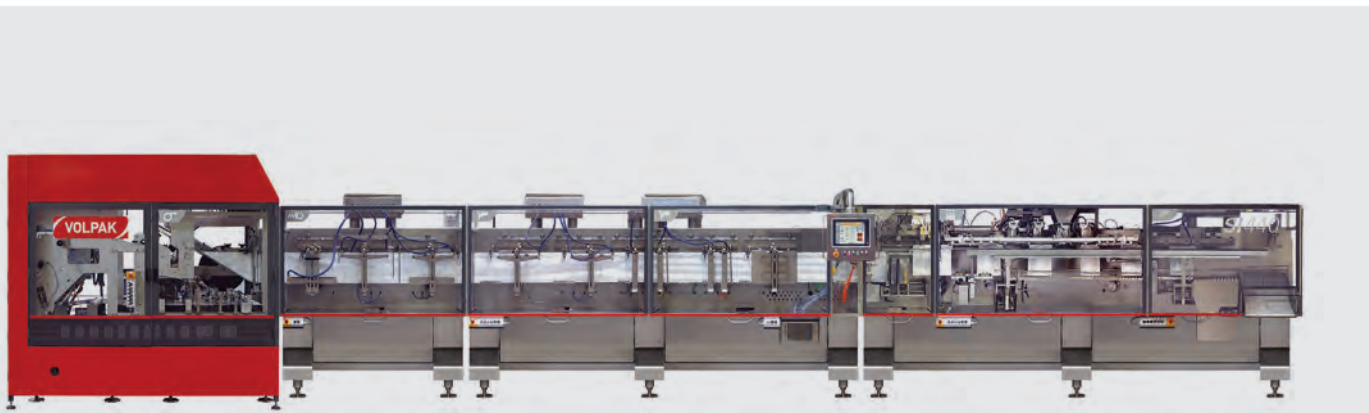
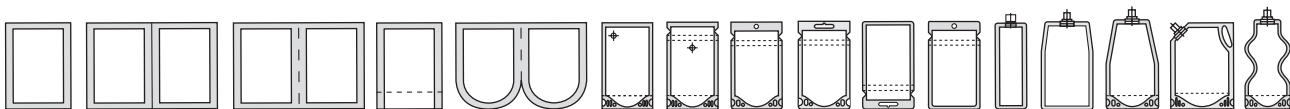
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SI 440 VERSATILE & FLEXIBLE

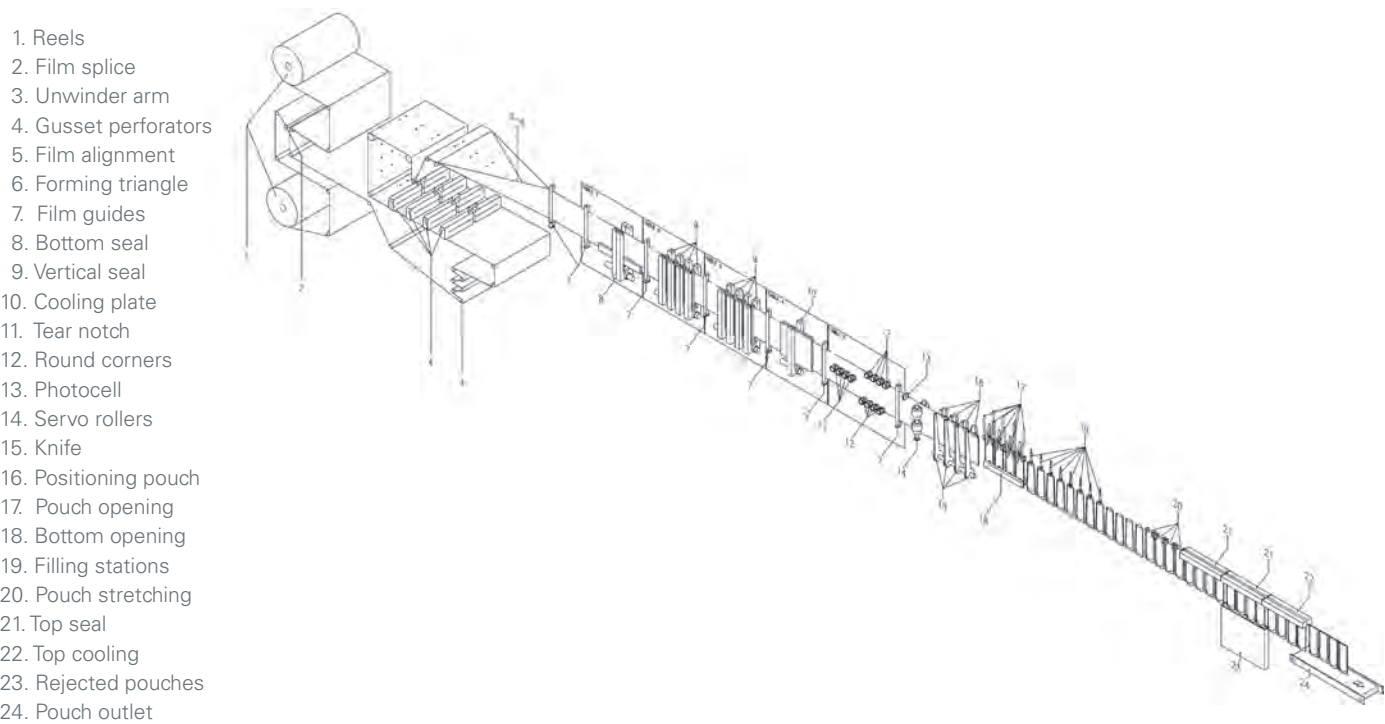
The SI 440, one of the most flexible and versatile horizontal form fill and seal machine in the market today, is perfectly adaptable to every need: from projects requiring the large production of medium-sized formats to batches requiring large sized pouches.

A wide operating window, with individual settings of the pouch forming, pouch transport and filling, enables the SI 440 to work with the most favourable settings thus optimizing performance. Quick size change over, in a controlled process, with automatic adjustments and guidance for the operator, leaving no room for improvisation provides reliability in pouch quality.

POUCH MODEL



ENHANCED EFFICIENCY



TECHNICAL DATA

		DUPLEX	TRIPLEX	QUADRUPLEX
Pouch format (W x H x G)	min. (mm)	120 x 110 x 30	85 x 110 x 30	85 x 110 x 30
	max. (mm)	220 x 310 x 125	145 x 310 x 85	110 x 310 x 60
Volume with gusset	max. (cc).	2000	600	300
Output (pouches/min)	up to:	100	165	240
Film material		Heatsealable		
Reel dimensions (mm)	Diam. max.	600		
	Width max.	745		
	Core diam.	Standard 152 mm / Optional 70 mm		
Electrical data		220, 380, 440 V / 50, 60 Hz		
Machine dimensions	(mm; L x A x H)	10800 x 1790 x 2020		
Net weight	Kg (approx.)	10000		

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HELPDESK & REMOTE ASSISTANCE

All machines are equipped with Advanced Remote Assistance (ARA)

Advanced Remote Assistance (ARA) is a system allowing for remote diagnostics and intervention of technical support team with the use of tablets or mobile phones, via a LAN connection.

Additionally, Volpak can offer a complementary augmented reality system: thanks to the use of special glasses, the Volpak support team has the ability to see exactly what the operator sees and can guide the hands of the operator with voice, screen pointers or hands overlay.

Advanced Remote Assistance – ARA
From **PLC** to **PLC**

Augmented Reality
From **Technician** to **Technician**

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Incident Management



Certainty



Time saving



Operational Continuity

CUSTOMER SERVICE

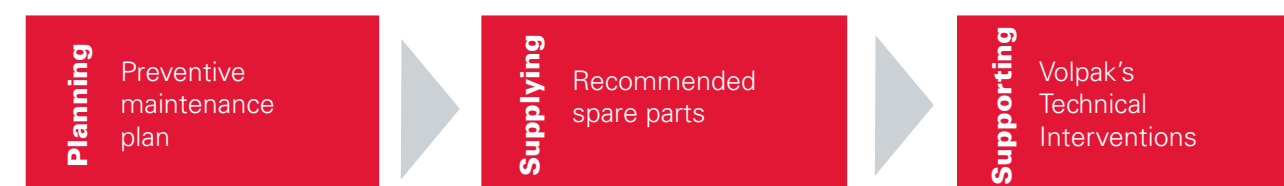
Solutions for all your needs



VPS - VOLPAK PROTECTION SERVICE

Improve your operational performance

Regular maintenance prevents unexpected and expensive downtime. VPS starts with an Audit Visit to assess machine general performance and operational conditions. Then our experienced and highly qualified technicians will develop and implement process adjustments to improve machine performance.



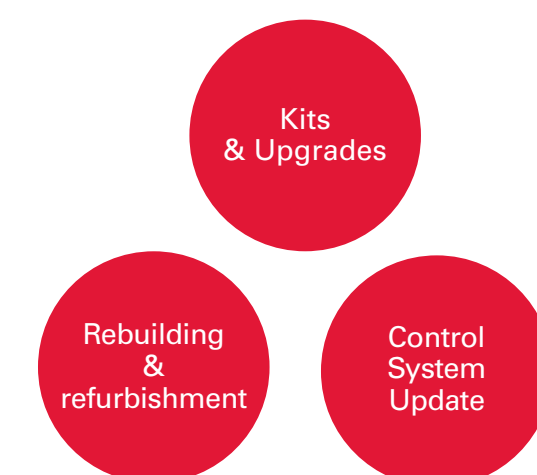
VPS is a complete service that will fulfill all your maintenance needs.



RETROFITS AND UPGRADES – OPTIMIZATION THROUGH MODERNIZATION

Get the most of your machine

One of Volpak goals is to help our customers get the most benefit from their Volpak equipment; for this reason we are continually developing technology solutions to add more versatility, efficiency and profitability to existing equipment. Volpak offers its customers kits & upgrades that enable them to keep their machinery running at peak performance and maximizing the life of the equipment.



Rapid change over



Product Quality



Improved productivity

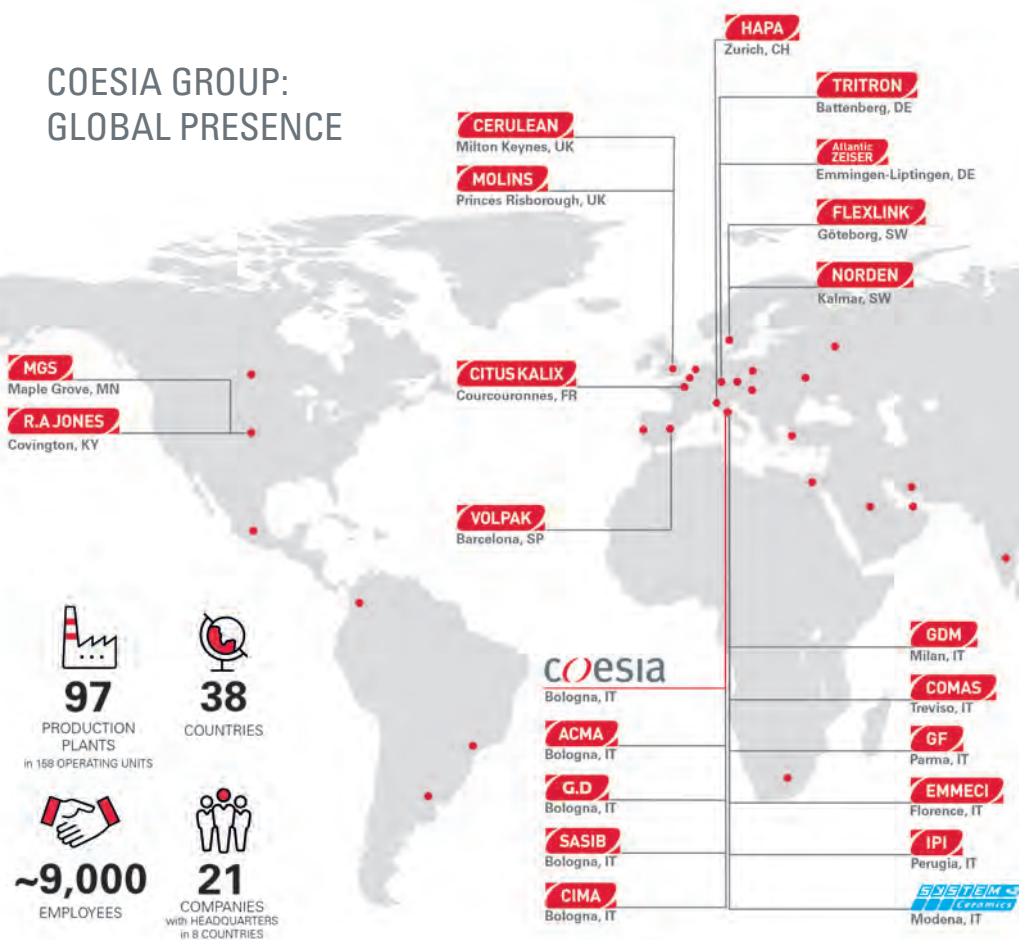


Easy Maintenance



Work safety

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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