

coesia

SO<sup>+</sup>  
TO INFINITY  
AND BEYOND

**VOLPAK**

a coesia company



## LIKE NO ONE

Unique pouching technology



### TIDY

60% less waste



### CLEVER

10% pouch size optimization



### ECO FRIENDLY

30% optimized footprint



### FAST

2X speed

**SC+ machine range,**  
a breakthrough innovation  
in Stand-up pouch machinery  
reaching production  
and performance levels  
outclassing its competitors.




# A BREAKTHROUGH TECHNOLOGY. WHY?

## **The SC+ offers much more.**

With the SC+ your production plant will be more efficient, increasing your capacity while reducing operational costs and minimizing waste, as well as maintenance cost. All with a forgiving machine, operator friendly, designed to run at optimum performances with a wide operating window.



- 
- + **Save over 100k€ annually on direct costs**  
Easy to run and efficient. With the SC+, a single operator produces at least the double, and with reduced utility costs and waste. On top, the SC+ is a low cost efficient machine requiring minimum maintenance and spares consumption.
  - + **Increase 30% your plant capacity**  
The SC+ is designed to obtain the maximum production rate in a compact and accessible footprint enabling increasing 30% the performance per square meter.
  - + **Save 40% of your annual cost for maintenance and spares**  
Short strokes, smooth movements, continuous motion, key words to minimize wear thus spare parts consumption and maintenance cost.
  - + **Save 150k€ of film cost optimizing a minimum 5% your pouch format**  
No wave. Continuous motion and smooth movements eliminates product waves in the pouches during transport, reducing the risk of seal contamination, setting new parameters of pouch formats vs pouch doses.
  - + **Performant and flexible in size change**  
Combining automatic and guided regulations the size change is controlled, easy and not left to improvisation. A simple push bottom from HMI for the continuous filling area and the pouch size is automatically changed in the Complete pouch stations.
  - + **360 Accessible**  
Designed for 360° accessibility, the distance between operator and parts does not exceed 700mm. Machine configuration ensures visual control of main operations from infeed to outfeed from a single standpoint.
  - + **Reduce material waste by 60%**  
Precision, control, continuous and smooth movements are key to minimize material waste.
  - + **Clean**  
Hermetic and with no hidden areas the filling turret can be easily cleaned directly with a hose.



# A BREAKTHROUGH TECHNOLOGY. HOW?

**SC+ a machine range serving the Stand-up pouch market for food and non-food industries and liquid or dry products.**

- + Form Fill and Seal, reel fed machine
- + Fill and Seal machine for Pre-made pouches
- + Compact and smart concept design for filling while pouches travel at high speed.
- + Three configurations sharing 85% of common parts to satisfy different production and packaging demands





## **Form Fill and Seal, reel fed machine.**

Unwinding and folding in continuous motion with constant and controlled tension for a perfect alignment of the film. Reels of dubious quality cannot resist to this unwinder.



## **Fill and Seal, Pre-made pouch fed machine.**

Multiple pouch magazine with a controlled pick & place arm to load the pouches on to a continuous transport synchronized with the rotary feeding wheel.



## Filling turret compact and smart

High speed production with a compact and smart operations concept, where pouches are gently opened, filled and top sealed.

Either with filling nozzle for liquids or duck-bill funnels for dry products, the filling time is double the traditional technology.



**LIQUIDS**



**SOLIDS**



**Forgivingness** is manageable

Manageable is **control**

Control is **accuracy**

Accuracy is **repeatability**

Repeatability is **reliability**

Reliability is **effectiveness**

Effectiveness is **optimization**

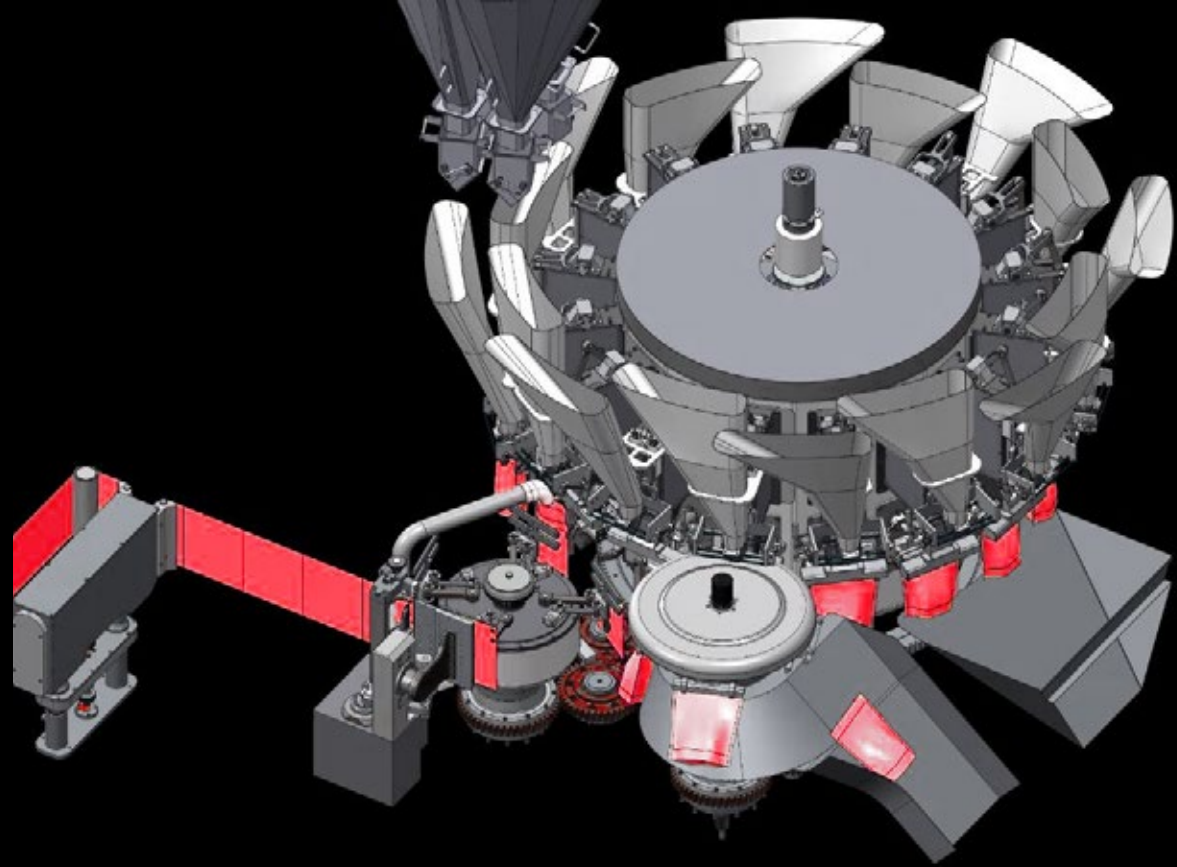
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## Platform concept

3 configurations to satisfy market demand.

Customers benefit from a single stock of parts for their different machines. Maintenance and operating teams trained and ready for all models.



## SC+180

When main SKU's between 100-500ml and max speed is a priority

## SC+240

The versatile model covering the most of the pouch market

## SC+300

For large size packs. Main target market is dry products

		SC+180	SC+240	SC+300
Format	Min	85 x 110 x 30 mm	110 x 170 x 30 mm	110 x 170 x 30 mm
	Max	180 x 310 x 120 mm	240 x 310 x 120 mm	300 x 310 x 120 mm
Dose	from-to	100 – 1.000 ml	250 – 2.000 ml	250 – 3.000 ml
Speed	from-to	280 – 400 ppm	210 – 320 ppm	140 – 250 ppm



stand-up



zipper



corner cap



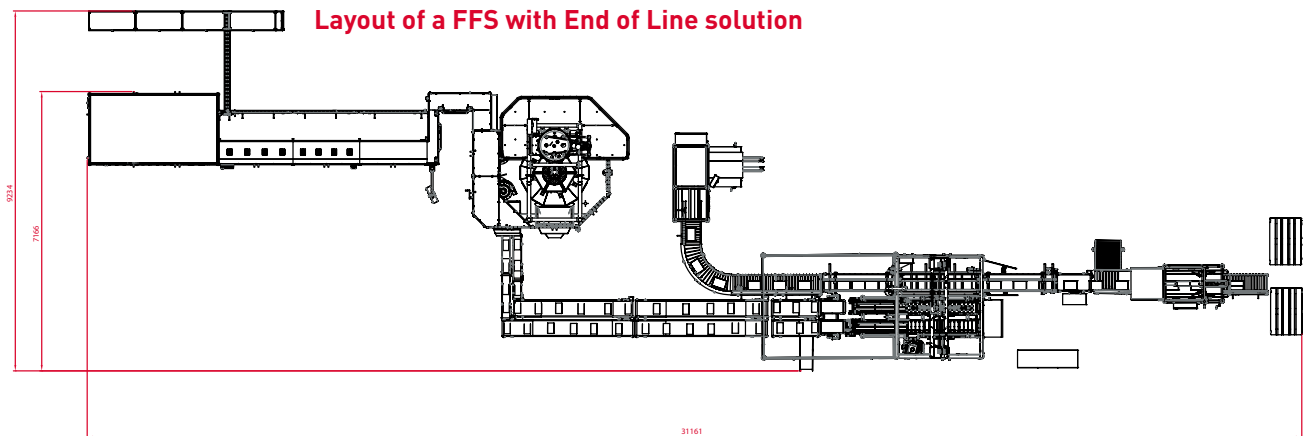
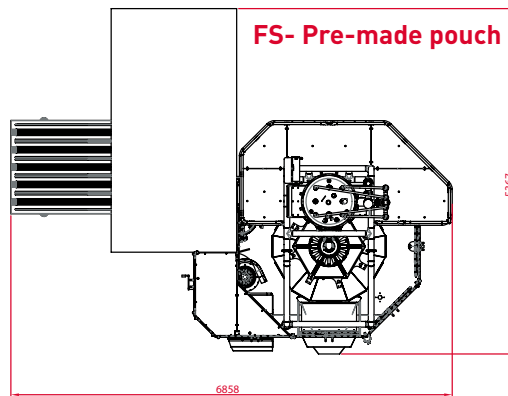
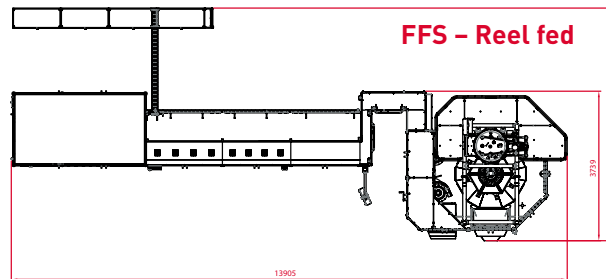
flat



top cap



shaped





## Smart pouch forming

- + Automatic reel splicer, minimum waste and no machine stops at reel changes
- + Continuous unwinding & folding with control of film stretching and perfect fold alignment
- + Pouch forming area ready to work with Sustainable Materials
- + Seal time, pressure and temperature programmable according to film and working conditions
- + Seal to print system controlling print accuracy and film elongation

## CHARACTERISTICS



### **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.







## Fast size change

Combining automatic and guided regulations the size change is easy, controlled with no room for improvisation.

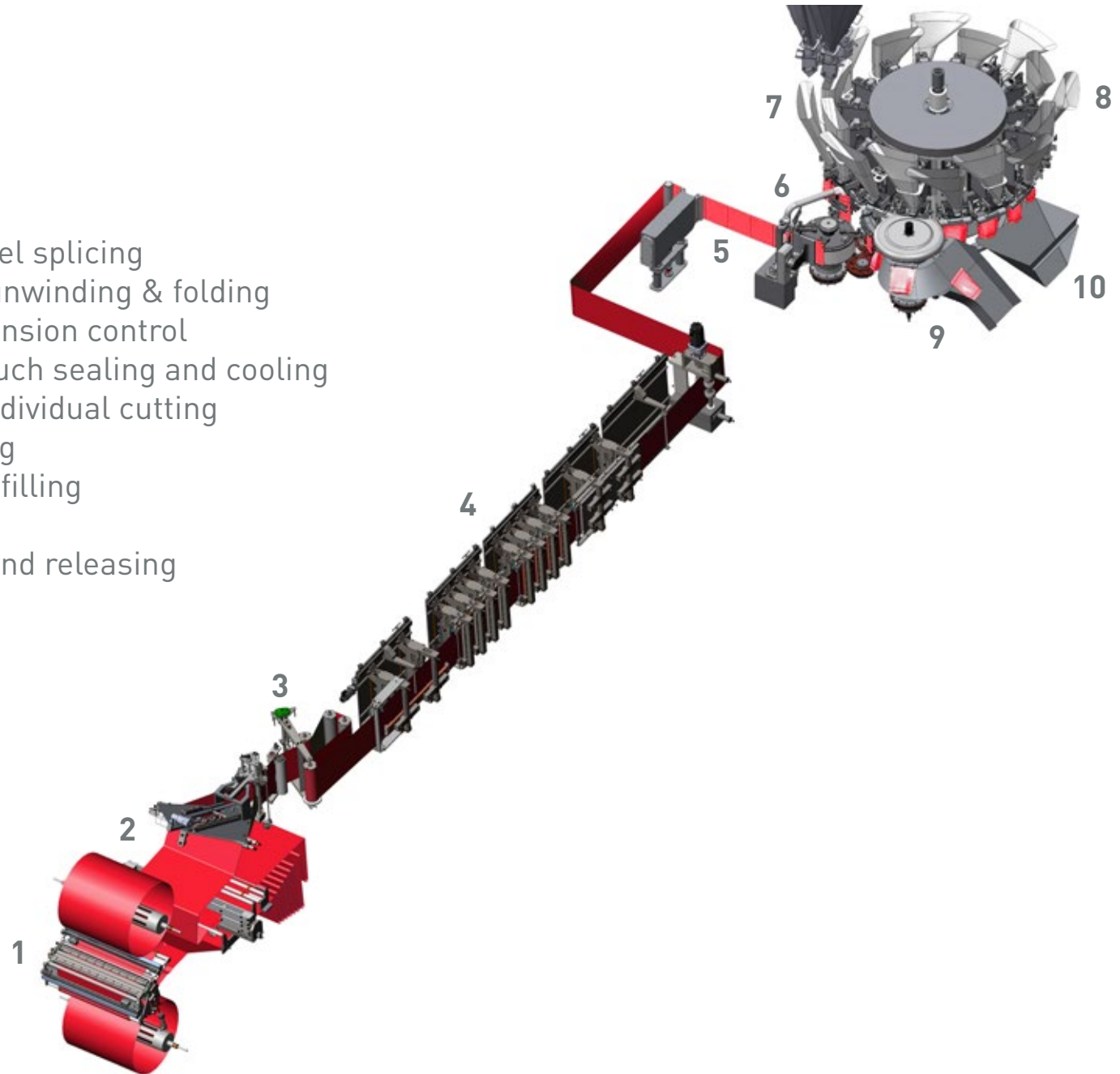
+ A simple push bottom on HMI for the continuous rotary filling area

+ Format parts with quick fasten system, easy exchangeable, guarantying reliability

+ Automatic settings for pouch perforator and pouch forming parameters



- 1 Automatic reel splicing
- 2 Continuous unwinding & folding
- 3 Buffer and tension control
- 4 Repeated pouch sealing and cooling
- 5 Buffer and individual cutting
- 6 Pouch loading
- 7 Opening and filling
- 8 Top sealing
- 9 Top cooling and releasing
- 10 Pouch reject



**CHARACTERISTICS**

**HOME & LAUNDRY CARE**

**PERSONAL CARE**

**DRY PET FOOD**

**DRY PET TREATS**

**DRY FRUITS**

**YOGHURTS**

**CREAM DESSERTS**

**BABY FOOD**

**NUTS**

**PEANUTS**

**MIXES**

**SAUCES & DRESSINGS**

**FRUIT & VEGETABLE  
PUREES**

**CANDY**

**GUMS**

**CHOCOLATES**

**CRACKERS**

**MAYONNAISE**

**KETCHUP**

**TOMATO PASTE**



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FOR CONSUMER GOODS PACKAGING MACHINERY,  
IT'S REALITY!



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