

## S Series

### ■ Description

The S-series is the new continuous rotary motion multi-lane form fill and seal machine that offers the lowest operating costs and best economy of any large quantity production on 4-side seal sachets.

It can be integrated with volumetric oscillating filler, volumetric piston filler, or auger filler for granular, liquid or powder products respectively.

The three servo-motor controlled S-series optimises for higher-synchronisation and high reliability. In addition to offering better sealing strength than other machines in its class, the S-series provides the full benefits of the cooling system for the transverse seal.

It represents an ideal replacement for single lane sachet form fill seal, and also

provides batch output flap separator for dividing output for each carton box or job order.

The film reel mounts at the side of the machine with our robust design structure. The dancing rollers ensure the film's tension and stability of the reel unwind mechanism. The film is slit into half that forms facing each other, which is drawn down by the rotary vertical seal system sealing the sides, then enters the rotary knife system slitting the film into individual lanes. The rotating transverse seal system seals the top of the previous bag and the bottom of the current bag; the product is filled and sealed then immediately cooled down by the transverse cooling system to strengthen the seal area. The product is then cut off to complete the packaging process.



### ■ Advantages

- ★ OMRON CP1 PLC control system
- ★ 10-inch OMRON colour touch screen
- ★ Multi-lingual operator interface with 24 product recipe
- ★ SCHNEIDER LEXIUM servo-motors
- ★ PANASONIC LX all colour photoelectric sensor for registered mark
- ★ OMRON PLC modular P.I.D. digital temperature controller
- ★ German SICK safety sensors
- ★ Vertical slitting by rotary cutter system
- ★ Vertical seal system driven by servo-motor
- ★ Transverse seal system driven by servo-motor
- ★ Transverse cooling system (2nd press) driven by servo-motor
- ★ Solid stainless steel 304 construction



(Left) The stainless steel construction S Series Multi-lane Sachet FFS, model S-600GS for salt and pepper twin pack.

## Options

- Batch output flap separator<sup>#</sup>
- Coding: Embossed
- Chaplet device for chain bags
- Film static eliminator device
- Gas flushing device
- Hole punching device
- Special voltage

## Technical Specifications

	Unit	S-600		
<i>bag style</i>		4-side seal		
<i>number of lanes</i>		4	5	6
<i>mechanical max. cycle/min</i>	cpm	60		
<i>production bags/min</i>	bpm	240	300	360
<i>bag width</i>	mm	60 - 75	50 - 60	40 - 50
<i>bag length</i>	mm	50 - 150		
<i>reel width max</i>	mm	600		
<i>cutting style</i>		straight, serrated or perforated		
<i>machine weight</i>	kg	500		
<i>machine dimensions</i>	mm	W1450 x D1300 x H1750		
<i>compressed air (ANR)</i>	NI/min	180 at 0.6 MPa		
<i>power</i>	kW	7.0		
<i>voltage</i>		400VAC, 50Hz, 3-Ph		