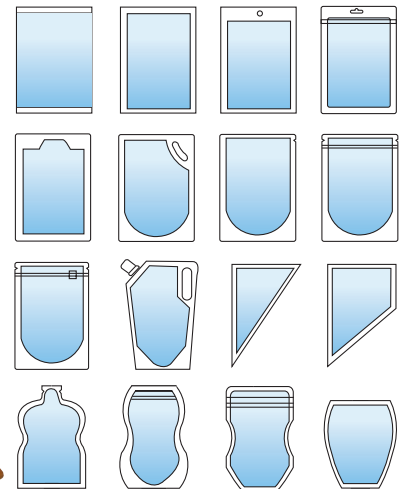


Automatic Rotary Pouch Packaging Machine



Automatic Rotary Pouch

Duplex model (Liquid & Paste, Paste with Solids)

SP-8SD-165 / LF-1000D



FEATURE

- Two sealing stations, one pressing station for perfect seal
- Quick changeover by product memory function
Sealing temperature, running speed, gripping size, filling volume
- Color touch screen (10.4 inch)
- Washdown structure (IP65) / trench

FILLING MACHINE (for liquid)

- Filler valve - 3 way valve or check valve
- Nozzle cutter to prevent end drop of product
- Hygienic material (SS304, SS316)
- All stainless steel structure
- Piston actuation vertically for durability
- Easy breaking up and disassembling for cleaning and maintenance
- Filling volume can be adjusted easily through product memory function



OPTION

- Servo driving piston filler, Pneumatic filler, mono pump
- Filling nozzle depends on liquid nature (foam, viscosity, solids)
- Heating jacket for hot fill
- Washdown structure(IP65), trench
- Service hopper for foamy liquid (200 liter)
- Safety guard
- Check weigher & metal detector
- Gas (N2, Co2) flushing
- Steam filling
- Date coder (embossing, hot foil, inkjet, thermo printer)

STANDARD PROCESS for liquid

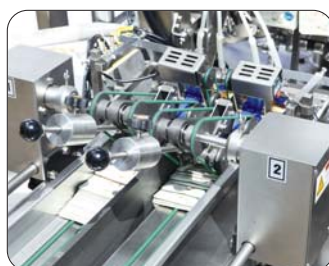
- Pouch loading
- Date coding
- Bag open (top and bottom)
- Opening detection
- Liquid filling / option (solids filling)
- Pre-sealing
- Sealing
- Pressing & discharging

APPLICATION

Beverage, liquid coffee, cooking oil, retort foods, maskpack,
Sauce, Sauce with solids(vegetables, meats)
Liquid detergent, fabric softener, alcoholic drink, paint..



Gripper Station



Bag Loading



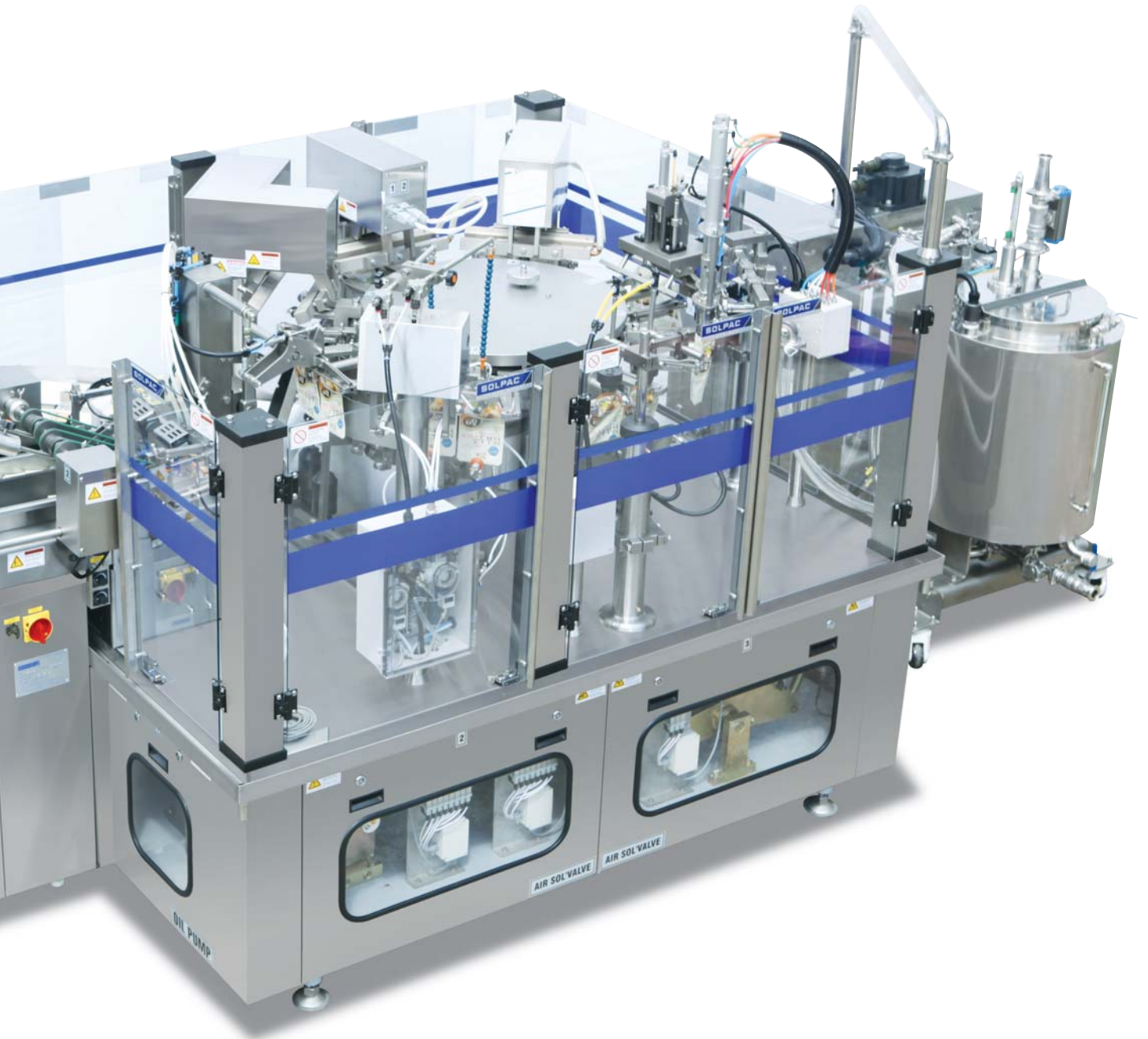
Bag Supply



Bag Open



Packaging Machine



Bottom Open



Filling



Sealing / Cooling



Discharge

Duplex model / Auger filler (Powder & granule)

SP-8SD-165 / AP-980 (for zipper pouch)



OPTIONS

- Mechanical zipper open finger
- Safety guard
- Vibro-settler
- Dust collector (for powder)
- Feedback filling system (for powder)
- Check weigher & metal detector
- Gas (N₂, Co₂) flushing
- Date coder (embossing, hot foil, inkjet, thermo printer)
- Ionizer

STANDARD PROCESS for powder

- Pouch loading
- Date coding / zipper open
- Bag open (top and bottom)
- Opening detection
- Powder filling / settling
- Dusting
- Sealing
- Pressing & discharging

FEATURE / AUGER FILLER

- Touch screen operator interface
- Number of revolutions
- Auger speed
- Agitator speed / on or off mode
- Hopper level
- Product memory
- High filling accuracy by servo driving auger
- Quick disconnect hopper
- Servo with PLC control
- Full color touch screen operator interface

AUGER TYPE

- Normal auger / powder
- Spinner auger / granule
- Feedback auger system / particular powder

APPLICATION

- Coffee, premix, flour, chemical powder, detergent, fine sugar, red pepper powder, black pepper etc.

Automatic Rotary Pouch

Multi-head weighing machine (granule)

SP-8S-235 / SP-8S-235Z

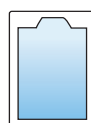
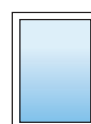


OPTIONS

- Mechanical zipper open finger
- Safety guard
- Vibro-settler / tapping station
- Check weigher & metal detector
- Gas (N₂, Co₂) flushing
- Date coder (embossing, hot foil, inkjet, thermo printer)
- Multi-heads weighing machine (10, 14, 16 weighing buckets)

STANDARD PROCESS for granule

- Pouch loading
- Date coding / zipper open
- Bag open (top and bottom)
- Bag open detection
- Product filling / settling
- Gas flushing
- Sealing
- Pressing & discharging



Packaging Machine

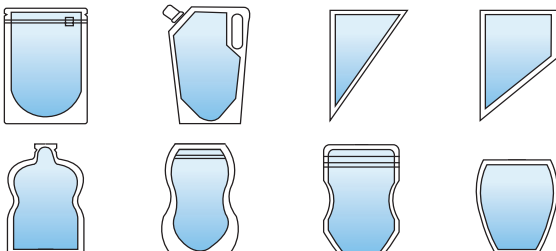
Simplex & Duplex models for zipper pouch

SP-8S-235Z / SP-8SD-165Z / SP-8SD-220Z



OPTIONS

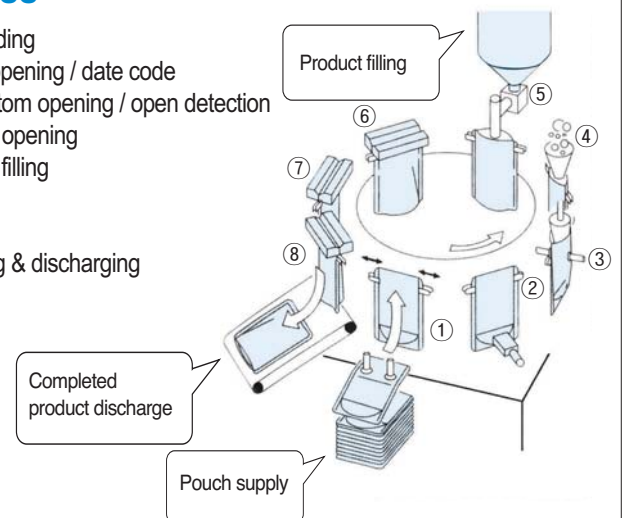
- Safety guard
- Dust collector (for powder)
- Check weigher & metal detector
- Gas (N₂, Co₂) flushing
- Settling station
- Date coder (embossing, hot foil, inkjet, thermo printer)
- Weighing or filling machine



STANDARD PROCESS for zipper pouch

PROCESS

1. Bag loading
2. Zipper opening / date code
3. Bag bottom opening / open detection
4. Bag top opening
5. Product filling
6. Settling
7. Sealing
8. Pressing & discharging





Bag loading



Bag transferring



Bag gripping



Bag opening



Air blowing to open bag bottom to detect open



Product filling



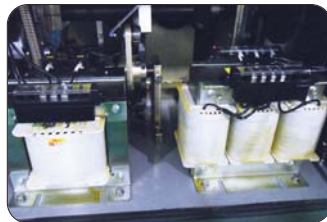
Sealing



Discharging



Cam driving design



Transformer (CE certification)



Control cabinet



Clean air filter

FEATURE

- Intermittent rotary fill and seal machine with 6,8,10 station is designed to handle readymade pouch.
- As required speed, simplex or duplex, quadro model recommendable
- Pouch storage capacity is 300~1200 bags depends on bag size.
- Small footprint
- Welded frame for stable operation and durability
- Perfect sealing bars supported by strong spring
- Washdown structure(IP65) - water cleaning design
- Various application for powder, granule, liquid, solids
- Automatic zero point for encoder

BASIC SPECIFICATION (all models)

- More robust & customer oriented in construction
 - 2 HP main motor (Mitubishi)
 - 16mm one steel plates welded for high durability
 - Mechanical cam operation system
- Intermittent cam driving
- Easy bag feeding magazine
- Product memory depends on product to save the time and manpower during bag changeover gripping width, running speed, sealing temperature, filling volume(servo liquid filling machine)
- Operation speed is adjusted by inverter
- Central lubrication system
- Medical filter to use clean air

CONTROL

- Swivel touch screen for easy reach
- Troubleshooting displayed on touch screen
- Variable speed control by inverter
- PID temperature controller for individual seal bar
- Product counter
- Alarm list
- Each station timing is adjusted by electronic cam easily
- Transformer (CE certification)

EMERGENCY SWITCH PROGRAM

- No pouch - machine stop
- No product - machine stop
- Bag open error - no fill - no seal
- Heater wire cut - machine alarm / machine stop
- Out of sealing temperature range - machine stop
- Out of air pressure - machine stop
- Main motor inverter or breaker fault - machine stop
- Safety door open - machine stop

TECHNICAL DATA

Model Specification	Simplex model					
	SP-6S-320/Z	P-8S-235	SP-8S-285	SP-8S-320	SP-8S-350	SP-10S-235
Stations	6	8	8	8	8	10
Gripping size (mm)	160~320	90~235	140~285	160~320	200~350	90~235
Bag length	320	320	420	420	550	320
Idle cycles/min	55	60	55	55	50	60
Real production speed /BPM	30~50	30~50	30~50	30~50	20~30	30~50
Real output is changeable depends on product and filling volume						

Model Specification	Duplex model				Quadro	
	SP-8SD-110	SP-8SD-135	SP-8SD-165	SP-8SD-220	SP-8SQ-110	SP-8SQ-135
Stations	8	8	8	8	8	8
Gripping size (mm)	75~110	90~135	90~165	130~220	75~110	90~135
Bag length	250	250	320	320	250	250
Idle cycles/min	60	60	60	50	60	60
Real production speed /BPM	60~80	60~80	55~75	55~70	140~180	140~180
Real output is changeable depends on product and filling volume						

Bag material	Heat sealable laminated film
Options	Date coder : Inkjet printer, Thermo printer, Razor printer, Embossing coder, Hot foil coder Detection system : Check weigher, Metal detector, X-ray detector, Leakage detector(conveyor type), Vision detector for coding Safety guard, Water washable application(IP65)/Trench, Zipper opening finger, Gas(N2, Co2) flushing station, dust collector, Suction nozzle, Vibro-settler CIP cleaning system, Heating jacket for hot fill, Remote control cabinet, Ethernet
Filling machine	Auger filler for powder, Multi-head weighing machine, Linear weighing machine, Liquid filling machine, Mono pump, Cup conveyor for lump, Volumetric filling machine
Product conveyor	Spring conveyor for powder, Bucket conveyor, Vibro feeder, Vacuum loader

Main Reference

Campbells	Zhulian	Pt Bina Karya Prima	The National Medical Products Co., Ltd
Homel food	Dankos	Food Pacific Ltd.	Liwayway Marketing Corporation
Nestle	Lascelles Limited	First Class Group	Universal Robina Corporation
Unilever	Monde Nissin	Matrix Packaging	FGI
Lion Group	Teppack	T.U Pack Co., Ltd.	Prima Noce
Alf Christian	Northern Wind	Holli-Pac	Heartland Delmolte

 <p>SOLPAC CO., LTD. SOLUTION OF PACKAGE</p> <p>4BA-712, Sihwa Industrial Complex, 729-1, Seonggok-dong, Danwon-gu, Ansan city, Gyeonggi-do, Korea. TEL : 82-31-431-1877 FAX : 82-31-431-1874 E-mail : solpac@solpac.co.kr www.solpac.co.kr</p>	<p>■ Distributor</p>
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