



ILJIN GRATEC USA, INC.

Your One Stop Packaging Solutions Provider.

A large, detailed globe of the Earth is the central background element. It is covered in a fine grid of black lines, suggesting a geodesic dome or a mesh structure. The globe is tilted, showing the Americas, Europe, and parts of Africa and Asia. The colors are vibrant, with deep blues for the oceans and greens and browns for the landmasses. The globe is set against a background of a modern building with large glass windows and structural columns.

**ILJIN
GRATEC
USA, INC.**



ILJIN GRATEC USA, INC.

COMPETITIVE • LEAD TIMES • PRICING • QUALITY • SERVICE

**We make it easy.
One stop does it all.**

1

**FLEXIBLE PACKAGING
ROTOGRAVURE PRINTER AND CONVERTOR.**

2

**SOLE U.S. DISTRIBUTOR OF PREMIERE
KOREAN PACKAGING MACHINERY.**

Why us?

**One place. Seamlessly efficient. Satisfy both
your packaging and packaging machine needs.**

Our long standing network of clients
speaks for itself. We have been delivering
flexible films to the full satisfaction of
clients for over twenty years.

Now, with exclusive U.S. distribution rights
to top-of-the-line Korean packaging
machinery, we are expanding the
possibilities for our network, new and old.

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Rotogravure Printing & Converting

Retort Pouch



Standup



3 Side Seal Pouch



Special Shape Pouch



Flat Bottom Pouch



PP Woven Bag



Rollstock Film

Lidding Film

Shrink Film



OUR STORY

ILJIN GRATEC USA, INC. boasts a culture of excellence defined by our competitiveness and service to our clients since 1995.

Formerly known as Kirin Packaging, we merged with our factory in South Korea to expand our offerings to partners and clients. Then, in 2004, we joined with our sister factory in Guangdong, China to further increase production capabilities. In 2015, we expanded production to offer PP woven bags ideal for when strong yet cost-efficient packaging is needed.

In 2017, we were awarded exclusive U.S distribution rights to pioneering automatic packaging machines from the largest manufacturers in South Korea.

Thanks to our ever-expanding global network and our commitment to staying competitive in this market, our business has produced many long lasting relationships with clients.

“

We have our own network across all Asia and US to get you competitive and minimized cost!

”

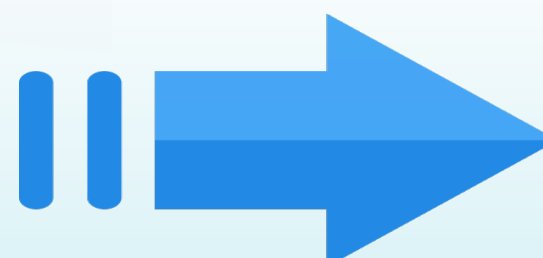
Lead Times	Made in Korea	Made in China, etc;
Repeat Orders	5-6 weeks	6-7 weeks
New Orders	7-8 weeks	8-9 weeks

Quote? Questions?

1(562)944-4372

sales@iljingratecusa.com

• • • OUR FACTORIES • • •



ILJIN
GRATEC
USA, INC.

Rotary Filling and Packing Machine

LIQUID FILLING ROTARY PACKING MACHINE

ST-8A1P

사 양 SPECIFICATION

- Capacity : 30~40 BAGS/MIN
- Pouch Size : W:80~225mm, L:100~350mm
- Filling method : Cylinder Pump
- Filling Range : 100~500cc, 600~1,000cc (Max)
- Deairing : Press Type
- Sealing Method : 2 Step Heat Seal 1Step Cooling
- Power : AC380V / 3Φ / 3kW
- Air Consumption : 5Kg/cm² , 250~350NL/min
- Machine Dimension : 1,877 X 1,963 X 1,957 mm
- Machine Weight : 1,500Kg

별도사양 OPTIONS

- Data Printer (Hot Ribbon Printer)
(Thermal Printer or Inkjet Printer : Option)
- Zipper Open Equipment
- Safety Cover
- Air Compressor
- Special Pouch Magazine
- Special Deairing Device
- Various Filling Device
- Agitator

특 징 FEATURE

- Quantitative Liquid filling & high accuracy
- Easy washing and perfect waterproof.
- Good cutting liquid of nozzle makes no water leak and there is no pollution in the inner sealing side of the pouch
- Equipped with graphic operation panel.
- Easy to changed the pouch size with any tools.

용 도 APPLICATIONS

Short rib soup, Seolleongtang, Yukgaejang, Retorted Pouch food, Frozen food, Sauces, Juices, Processed sea food, Cooked food, Pickles, Ja-jang, Curry, Liquid detergent, LL-noodle, spaghetti etc. The contents of this catalogue are subject to change without prior notice.



사 양 | SPECIFICATION ST-9A1PW

능 력 Capacity	60~90Pouch/min(Depend on filling material)
봉지규격 Pouch Size	W:85~150mm , L:100~400mm
충전방식 Filling Method	Cylinder Pump
충전범위 Filling Range	50~350cc/300~600cc/600~1,000cc (20~50cc Option)
Deairing	Press Type
접착방식 Sealing Method	2Step Heat Seal 1Step Cooling
백적재형태	Belt Conveyor Magazine(300~800매)
사용전력 Power	AC380V / 3Φ / 6kW
소요공압 Air Consumption	5Kg/cm ² , 700NL/min
기계치수 Machine Dimension	3,127 X 2,360 X 1,780mm
기계중량 Machine Weight	2,700kg
일부인장처(기본)	핫프린터 (Hot Printer)





ILJIN GRATEC USA, INC.

Retort Sterilizing Machine

- 01 Its physical property such as color, taste and freshness is preserved by using patented Air-Steam to prevent discoloration and changes in physical shape caused by superheated steam.
- 02 Two-Step Sterilization minimizes overheating which leads to waste of energy.
- 03 Remarkable reduction of Utility cost compare to Hot Water type.
- 04 One-touch operation is possible by using PLC and Touch Screen Panel.
- 05 Memory function makes process much easier for an operator to use.

AIR-STEAM SYSTEM
PRODUCES THE DELICIOUS.

EFFECTIVE DESIGN NEEDS LESS SPACE & SAVES ENERGY.

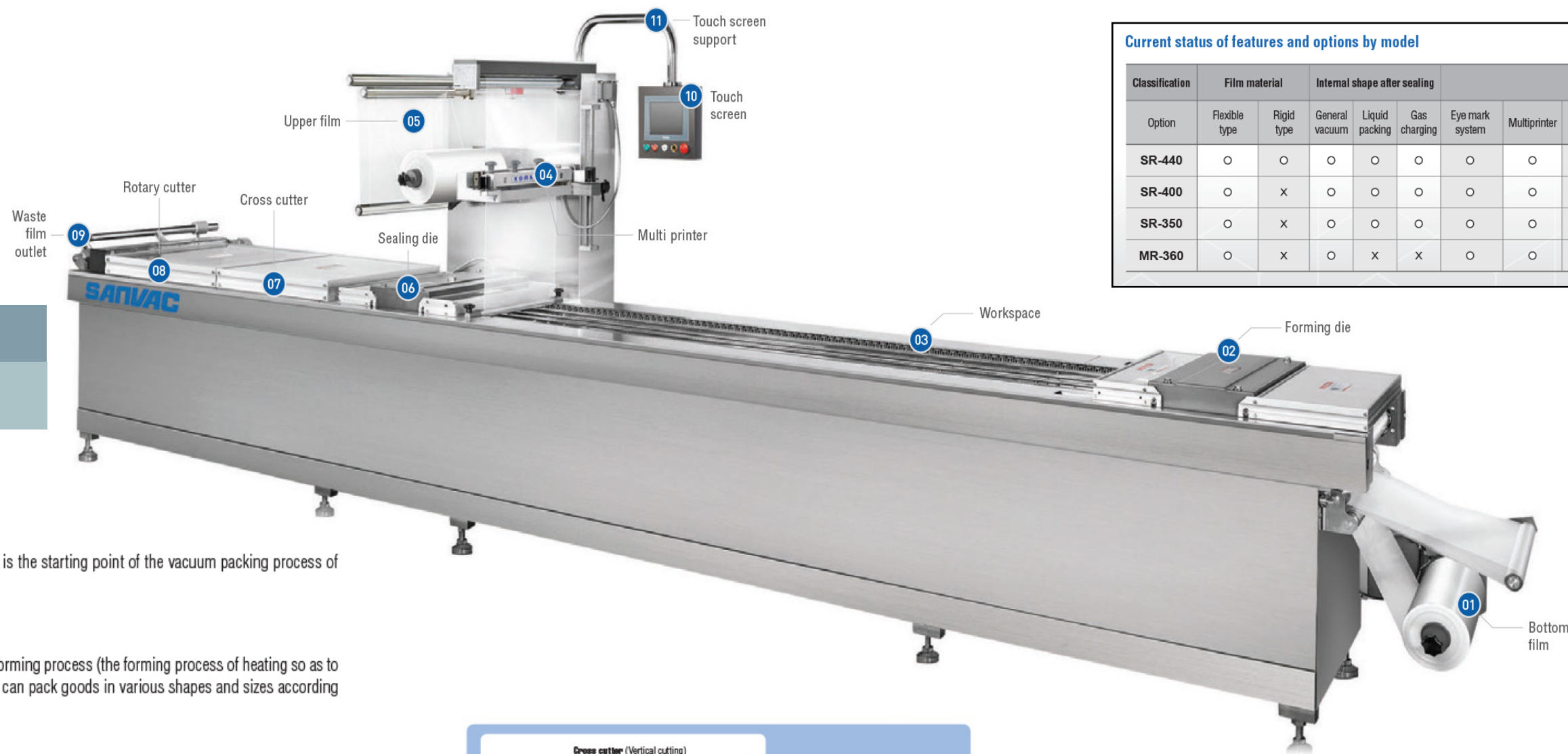
STERI-ACE's vessel is a compact and rectangular structure to minimize dead space to maximize energy efficiency. Processed material shall be evenly heated by specially designed Air-Steam system, which has been patented and effectively cooled by simply designed air-spray cooling system. It enables for pouch packaged foods to be cooked, sterilized and cooled with saving energy.



SPECIFICATION / STERI-ACE

	PRS-10-I	PRS-20-I	PRS-30-I	PRS-40-I
Max. Working Temp.	125(°C)	125(°C)	125(°C)	125(°C)
Max. Working Press.	0.2MPa(2kgf/cm ² G)	0.2MPa(2kgf/cm ² G)	0.2MPa(2kgf/cm ² G)	0.2MPa(2kgf/cm ² G)
Volume (Liter)	1,000	2,000	2,900	3,900
Capacity per Batch (200g/pouch)	153kg	307kg	460kg	614kg
No. of Tray (30mm height)	32trays x 1set	32trays x 2set	32trays x 3set	32trays x 4set
Capacity (pouch 130 x 170 x 20(mm))	768EA	1,536EA	2,304EA	3,072EA
Required Cap. of Boiler (kg/hr)	200kg/hr	400kg/hr	600kg/hr	800kg/hr
Steam Consumption (kg/batch)	65	125	200	300
Required Power of Compressor (kw)	3.7kw(5HP)	5.5kw(7.5HP)	7.5kw(10HP)	11kw(15HP)
Air Receiver Tank	500ℓ	1,000ℓ	1,300ℓ	1,500ℓ
Cooling Water (Liter/min)	75	155	235	315
Actual Tray Dimension (W x L x H mm)	620 x 950 x 960	620 x 1,900 x 960	620 x 2,850 x 960	620 x 3,800 x 960
Dimension of Vessel (W x L x H mm)	750 x 1,100 x 1,260	750 x 2,100 x 1,260	750 x 3,100 x 1,260	750 x 4,100 x 1,260
Dimension of Machine (W x L x H mm)	1,700 x 1,400 x 2,200	1,800 x 2,400 x 2,300	1,850 x 3,400 x 2,350	1,850 x 4,400 x 2,350
Weight (kg)	1,800	2,700	3,700	4,600

Thermoforming Vacuum Packing Machine



Current status of features and options by model

Classification	Film material		Internal shape after sealing			Additional device					
Option	Flexible type	Rigid type	General vacuum	Liquid packing	Gas charging	Eye mark system	Multiprinter	Smart multi-labeler	Booster pump	Chiller	Film collector
SR-440	○	○	○	○	○	○	○	○	○	○	○
SR-400	○	×	○	○	○	○	○	×	○	○	○
SR-350	○	×	○	○	○	○	○	×	○	○	○
MR-360	○	×	○	×	×	○	○	×	×	○	△

01 Bottom film

The bottom film is attached to loader which is the starting point of the vacuum packing process of the machine.

02 Forming die

The bottom film passes through the thermoforming process (the forming process of heating so as to form a container). The mold called 'Former' can pack goods in various shapes and sizes according to customer's requirements.

03 Workspace

It is a section where workers fill up the product on the bottom film formed in the shape of the container according to the product. If the automatic process is required instead of the manual process, a separate system is required. (Consultation is possible)

04 Multi printer

As an optional item, you can print the expiration date of the product or the date of manufacture on the film.

05 Upper film

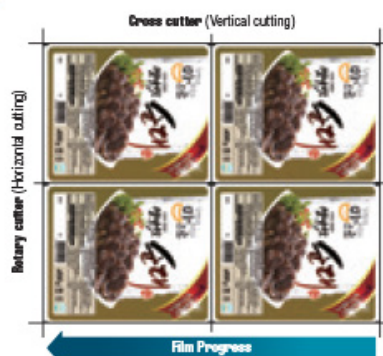
After thermoforming, the bottom film on which the product is loaded meets the upper film and sealed.

06 Sealing die

The bottom film loaded with the product meets the upper film, and the vacuum degree can be adjusted through the touch screen to the place of vacuum and sealing packing. (Steps from 1 to 999 can be entered)

07 Cross cutter (Vertical cutting)

Vertically cut film at right angles (90°) in the direction of film moving.



EYE MARK SYSTEM

Set the exact cut position of the film that repeats the movement and stop.

08 Rotary cutter (Horizontal cutting)

Cut the film in the direction of film moving.

09 Piping film outlet pipe connected to 'pneumatic film collecting equipment'

There are two methods of processing the remaining film after cutting: film collector using suction pneumatic and rotary reel. The above picture is an example of connecting to a 'film collector', which is the one of two options you can choose.

10 Touch screen

'Touch screen' is a method of inputting the record directly on the screen. Most of the operation and control of the machine can be operated by touch screen. Presently supported languages are Korean, English, Chinese, Thai, and Spanish, and fonts in other languages are also supported.

11 Touch screen support

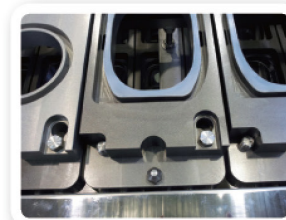
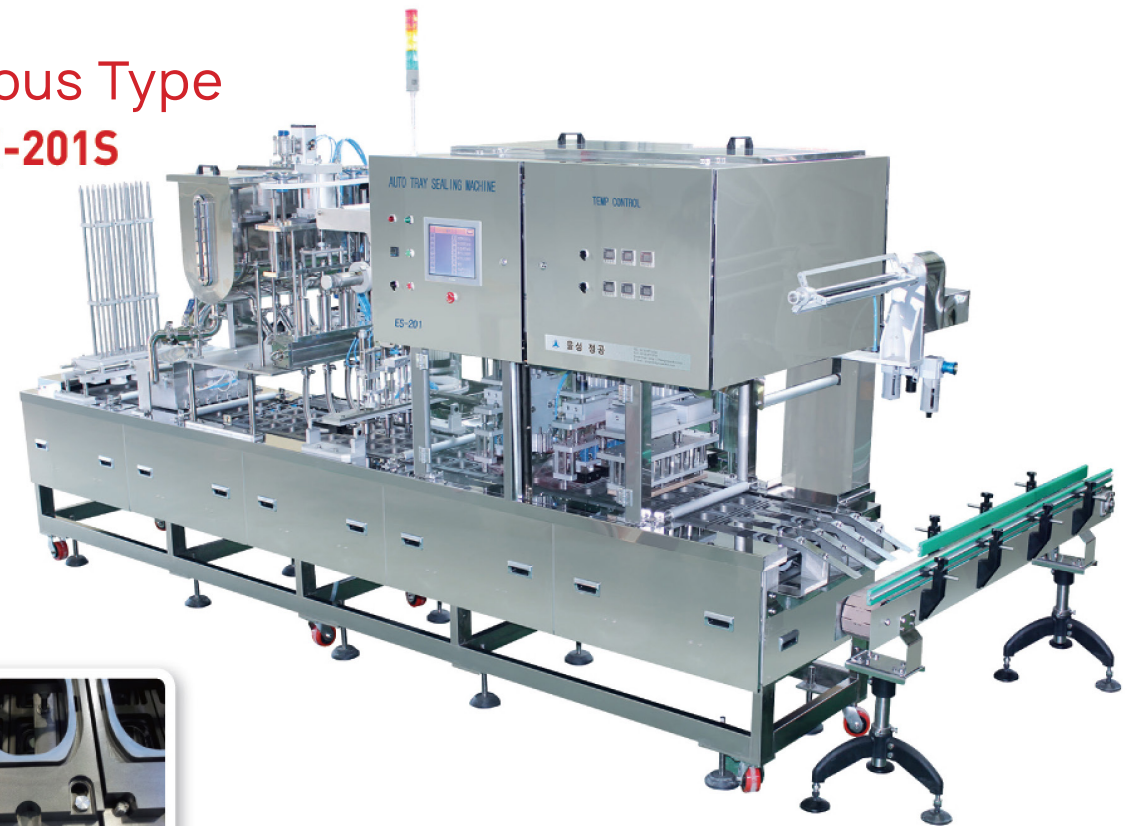
By using the rotary axis to support the touch screen, you can switch the direction according to the your convenience.

Automatic Tray Sealing Machine

Intermittent Type
ESCS-201



Continuous Type
ESCM-201S



Applicable products

Various cup or tray packing products such as Tofu, Instant cup noodles, Water, Liquids, Pastes, Yogurts, Puddings, Sauces, Meats, Vegetables, Sandwiches, Coffee creamers, Pizza, Rice porridges, Dried fruits, Cooked rice, Contact lenses and etc.

Specification

Capacity : Max. 20cycles/min per lane (It depends on product)

Options

- >>> Dust collector
- >>> Automatic capping device
- >>> Solid & Liquid filling device
- >>> Automatic tray feeding device
- >>> Able to design & plan all packing production line
- >>> M.A.P(Modified Atmospheres Packaging) gas filling device
- >>> Mold changeable type (It takes about 30 minutes to change mold)
- >>> Date printer (Carbon paper type, Inkjet type, thermal transfer printing type)

Feature

- >>> Servo motor system
- >>> Control by PLC system
- >>> HACCP standard product
- >>> Water cleaning is available
- >>> Hard anodizing to prevent rust
- >>> Sealing bar & Knife position correction
- >>> Frame's all materials are Stainless steel and Aluminum



Applicable products

Various cup or tray packing products such as Tofu, Instant cup noodles, Water, Liquids, Pastes, Yogurts, Puddings, Sauces, Meats, Vegetables, Sandwiches, Coffee Creamers, Pizza, Rice porridges, Dried fruits, Contact lenses and etc.

Specification

Capacity : Max. 40cycles/min per lane (It depends on product)

Options

- >>> Dust collector
- >>> Solid & Liquid filling device
- >>> Automatic tray feeding device
- >>> Able to design & plan all packing production line
- >>> M.A.P(Modified Atmospheres Packaging) gas filling device
- >>> Mold changeable type (It takes about 30 minutes to change mold)
- >>> Date printer (Carbon paper type, Inkjet type, thermal transfer printing type)

Feature

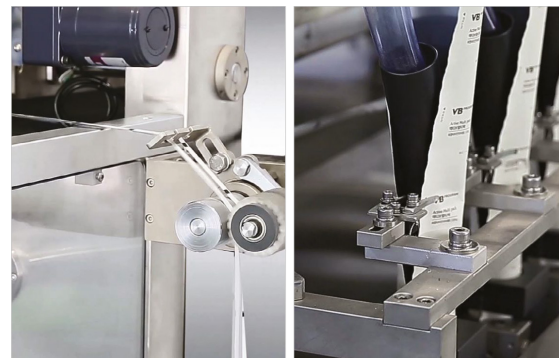
- >>> Control by PLC system
- >>> HACCP standard product
- >>> Water cleaning is available
- >>> Continuous system by Cam
- >>> Hard anodizing to prevent rust
- >>> Sealing bar & Knife position correction
- >>> All frames are made by Stainless steel and Aluminum



Vertical Form Fill Seal Packing Machine

It is a 3-Side automatic multi packing machine suitable for packing such as tablet, Soft capsule, Candy, Solid, and pharmacy.

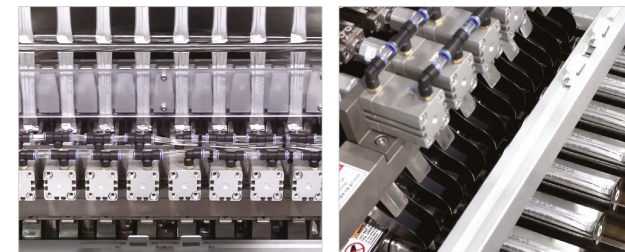
Precise arrangement and speed control is possible. It is also easy and convenient to operate components by standardization and even the beginners can easily work with it.



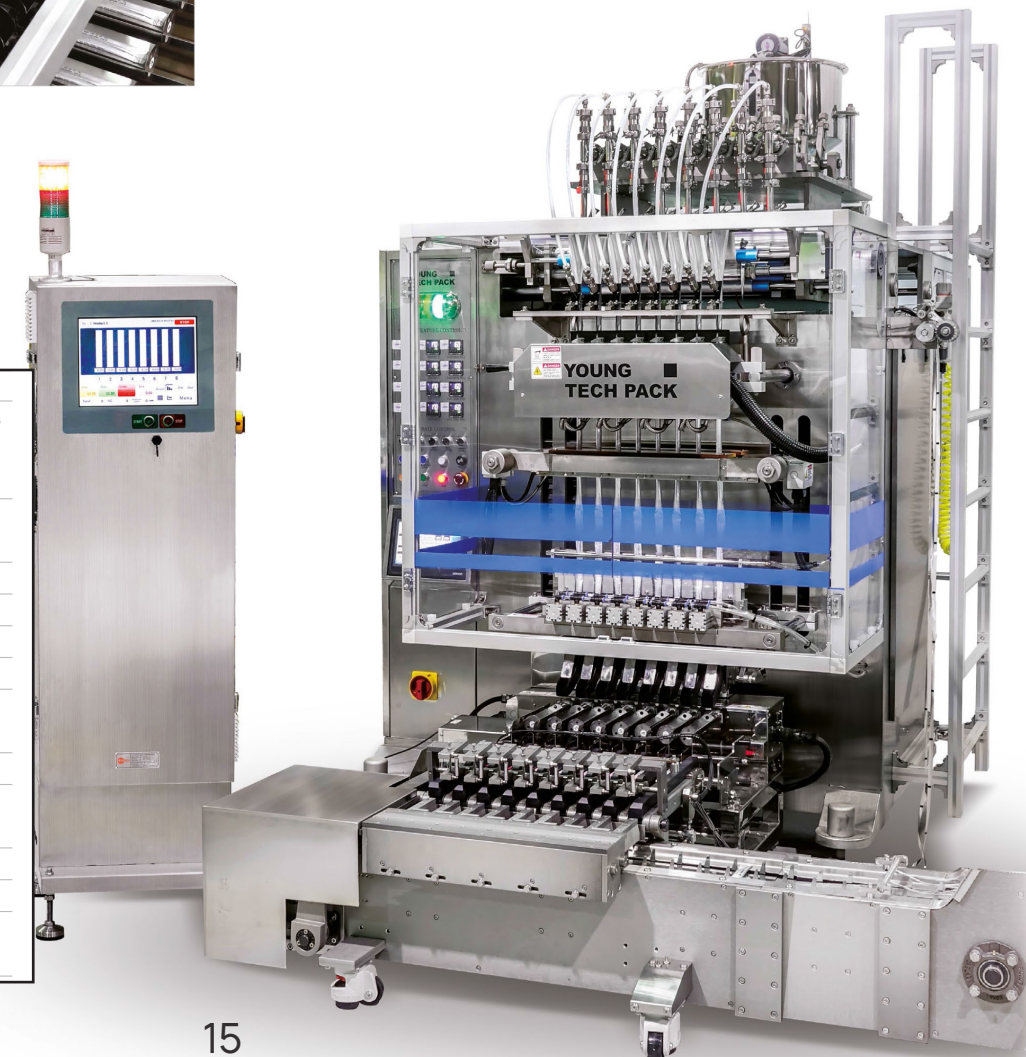
Model	YTB-3S
Applications	Tablet, Soft capsule, Pill, Every Kind Tablet, Every kind candy
Packing Materials	AL+PE, OPP+PE, NY+PE and other heat-sealable packaging material
Packing Line	2~6 Line
Capacity	140~160packs/min(on 4 Line)
Filling Capacity	1~5EA/packs
Packing Type	3 Side sealing packing
Adjustment of Print	Using servo type and eye mark
Penumatic Power	5~6kg/cm ²
M/C Dimension	W1,500 × L2,350 × H2,800
Weight	About 1,500kg
Power Consumption	3 Phase, 220/380V/50-60Hz

Fixed liquid refill enables high precision and outstanding nozzle cutting removes any leaking of cavity remains enabling low contamination probability within the sealing interior

The product implemented a touch panel allowing the user to easily control the weight with a servo motor. The main and end main and end sealing consist with servo which nearly no noise and vibration and is built with precision. The supply sanitary connection utilizes a clamp which enables easy installation and detaching. The drive section is covered with a closed cover that eliminates most noises. The elegantly processed components enable high precision in operation and each section can be tuned to the fine detail.



Model	YST-LQ-3S
Applications	Red ginseng extract, Juice, Health food, Jelly type beverages, Other liquid, Syrup, Beverage, Cosmetics, Sauce, Various liquids
Packing Materials	AL+PE, OPP+PE, NY+PE and other heat-sealable packaging material
Packing Line	2~12 Line
Capacity	250~300packs/min(on 10 lines)
Filling Capacity	0.5g~50g
Packing Type	3 Side embossing sealing
Adjustment of Print	Photo electric print registration
Penumatic Power	5~6kg/cm ²
Electric Power	Main servo motor 3000W End sealing servo motor 750W
M/C Dimension	W1,800 × L2,100 × H2,600
Weight	About 1,500kg
Power Consumption	3 Phase, 220/380V/50-60Hz





ILJIN GRATEC USA, INC.

IT'S K-MACHINE TIME!

DESIGNED
ENGINEERED
MANUFACTURED

IN KOREA

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