

Thermoforming Packaging Machines



www.utien.com



www.utienpack.com

Utien Pack Co., Ltd.

ADD : 255 Shuguang Road, Kebei Industrial Zone,
Shaoxing, Zhejiang, China

TEL: +86 136 0661 6266

EMAIL: info@utien.com

THE THERMOFORMER



Company Profile

Utien Pack Co., Ltd. is a scientific and technological enterprise aimed at developing and producing highly automated packaging machine. At present, the core product application industries include food, chemical, electronics, medicine, daily chemicals, etc. Create product value for customers and increase security for life.

Utien Pack is located in Shaoxing, Zhejiang Province. It has unique geographical advantages, beautiful environment and rich cultural flavor. The company covers an area of 16000 square meters and has multiple sets of work and living facilities, including office buildings, production workshops, dormitories, etc. The company has professional engineers and design teams to provide customers with professional packaging solutions.

Utien Pack innovation packaging, wisdom to enjoy the future life!

Production and Research Strength

Founded in 1994, Utien Pack has become a well-known brand in the Chinese packaging industry through more than 30 years of development. We are the drafting unit for multiple national and industry standards for packaging machinery, and currently have obtained over 40 valid national patents.

Based on the principle of high efficiency, safety and energy saving, product research and development are all produced under the conditions of ISO 9001:2015.

Utien Pack is committed to creating more perfect packaging machine equipment.



Flexible Film Thermoform Vacuum Packaging Machine

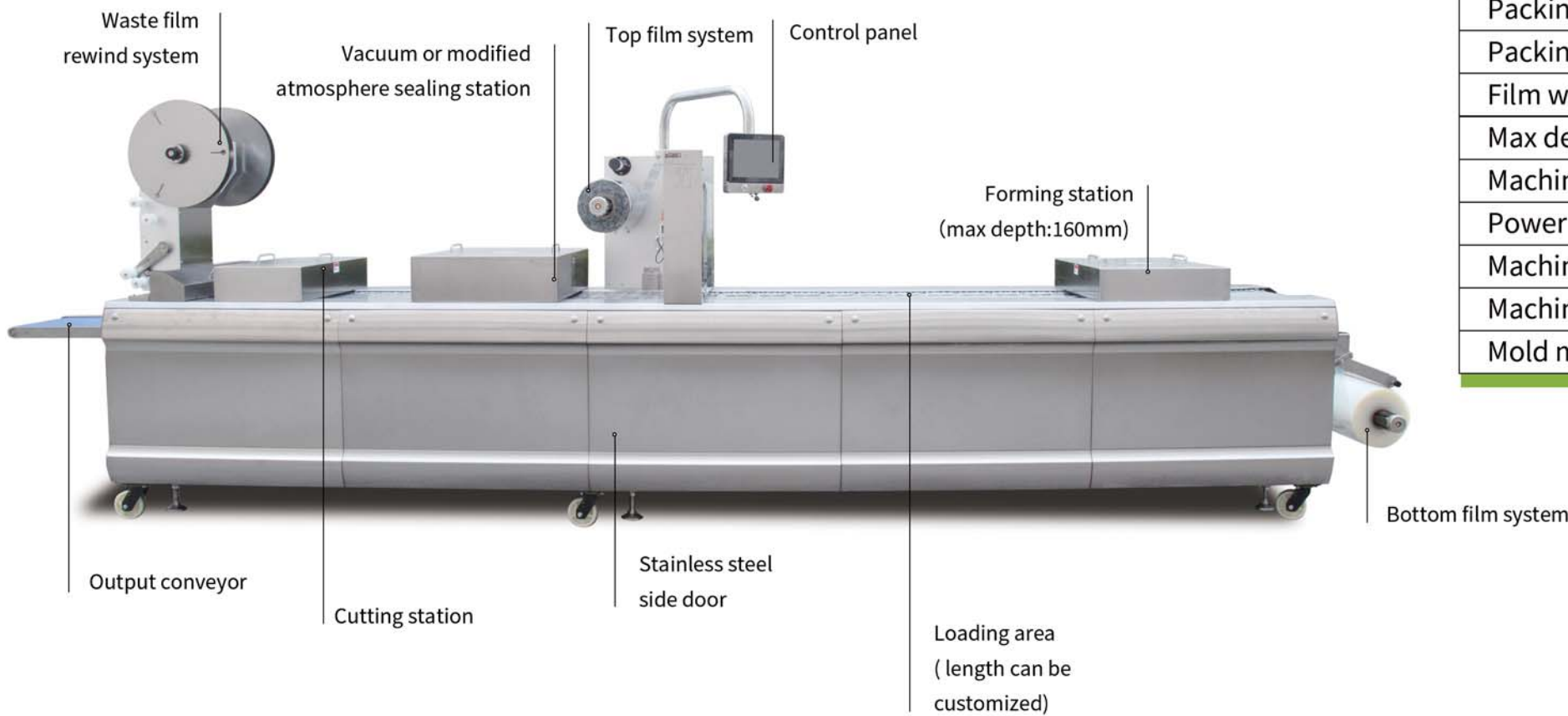
Its main function is to stretch the soft roll film into a soft three-dimensional bag through the principle of thermoforming, then put the product in the filling area, vacuumize or adjust the atmosphere through the sealing area and seal it, and finally output the ready packs after individual cutting. Such Automated packaging equipment saves manpower and greatly improves production efficiency. In addition, it can be customized per your request.

Application

This machine is mainly used for vacuum or modified atmosphere packaging of products to extend the shelf life of products. Oxidation is slow in the package under vacuum or modified atmosphere, which is a simple packaging solution. It can be applied to the products in the food industry such as snack food, chilled fresh meat, cooked food, medicine, and daily chemical products.

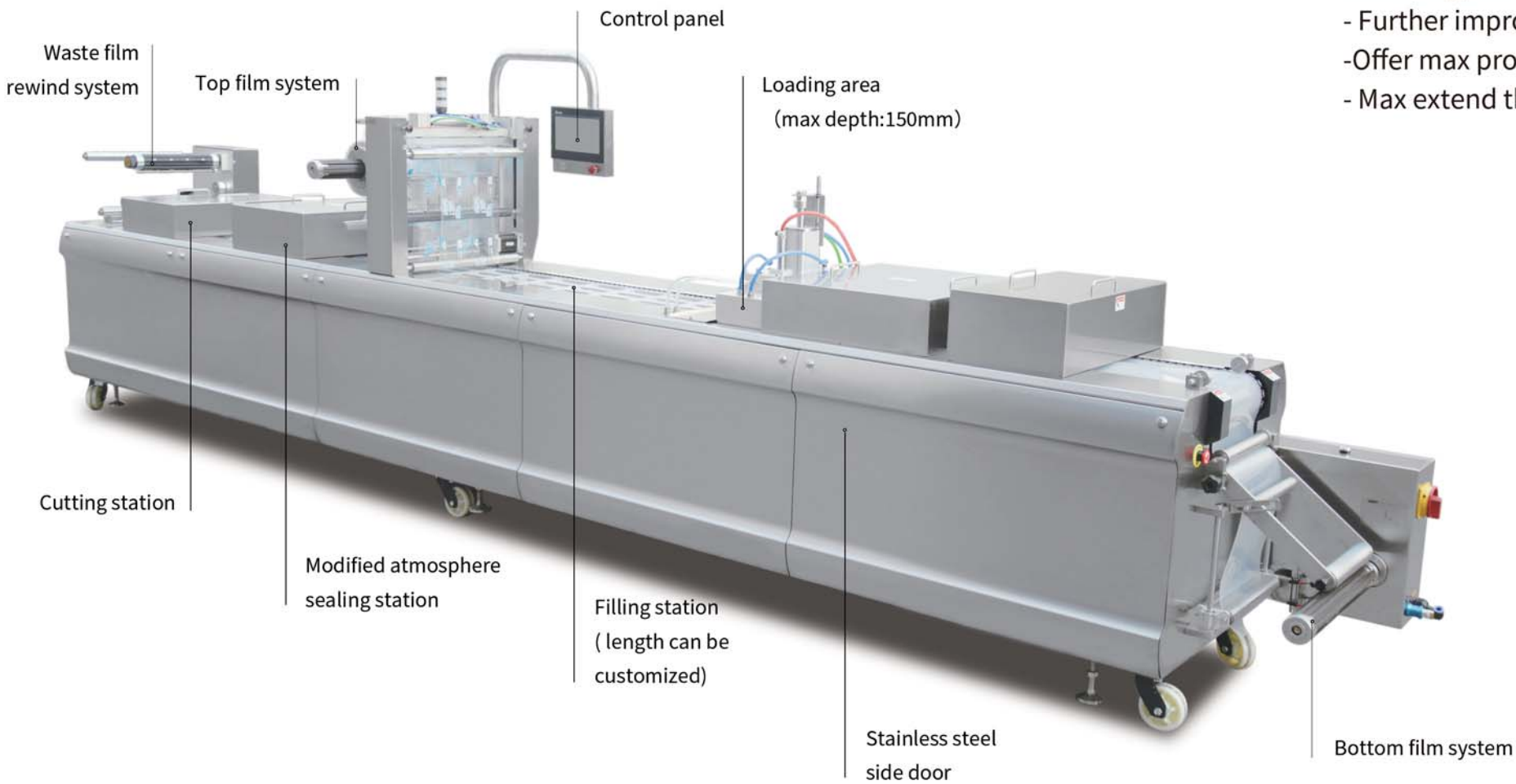
Technical Parameter

Machine mode	DZL-R series
Packing speed	7-9 cycles/min
Packing type	Flexible film,vacuum or vacuum gas flush
Packing shape	Customized
Film width	320mm-620mm(customized)
Max depth	160mm (depends)
Machine advance	<800mm
Power	Around 12kW
Machine size	Around 6000×1100×1900mm, or customized
Machine body material	304 SUS
Mold material	Quality anodized aluminum alloy



Rigid Film Thermoform Modified Atmospher Packaging Machine

Its main function is to stretch the rigid hard film sheet into a tray after heating, then vacuumize and inflate the bottom tray, and seal it with top film.Finally, output the ready packs after die cutting.



Application

Rigid film thermoforming modified atmosphere packaging can be used in food, medical and daily chemical industries. Especially, it is widely used in the fresh-keeping packaging of chilled fresh meat, poultry meat, seafood and aquatic, cooked food, ready cut vegetables, rice and fast food.

Advantages of Modified Atmosphere Packaging

- Further improve the shelf life of products and ensure product quality;
- Offer max protection during product transportation;
- Max extend the shelf life without the use of additives;

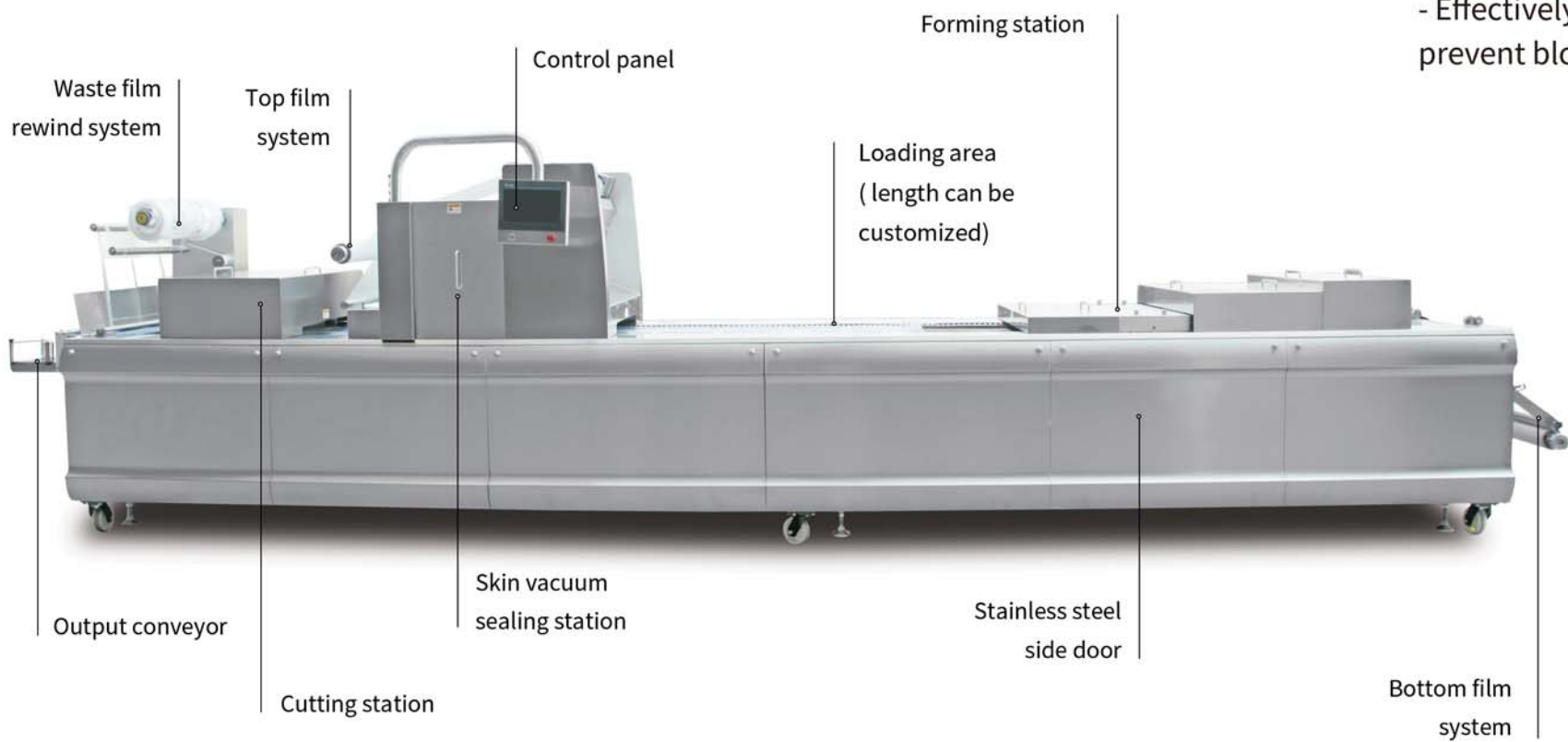
Technical Parameter

Machine mode	DZL-Y series
Packing speed	6-8 cycles/min
Packing type	Rigid film,or semi-rigid film, modified atmosphere packing
Packing shape	Customized
Film width	320mm-620mm(customized)
Max depth	150mm (depends)
Machine advance	<800mm
Power	Around 18kW
Machine size	Around 6000×1100×1900mm, or customized
Machine body material	304 SUS
Mold material	Quality anodized aluminum alloy



Thermoforming Skin Packaging Machine

Its main function is to stretch the rigid sheet into a tray through thermoforming technology, put the product in the filling area, enter the sealing area for vacuum skin sealing, and finally cut and output the ready package. With skin packing, the top film tightly adheres to the surface the product and fixes it on the tray like a second skin. Vacuum skin packaging is a relatively advanced product packaging technology at present. It can extend the freshness period of food. The three-dimensional shape is eye-catching. The product is close attached to the tray and is not easy to move, so it is easy in transportation.



Application

Skin packaging is especially suitable for packaging high-quality products such as fresh meat and meat products, seafood fish, poultry, convenience food, cheese, etc. After skin packaging, these foods not only have good display performance, but also have a long shelf life.

Advantages of skin packaging

- 3D presentation effect, which is transparent and beautiful, and is easy to touch and inspect the product quality.
- Occupy a small packaging volume, which can reduce storage and transportation costs.
- Compared with ordinary vacuum packaging and modified atmosphere packaging, the product has a longer shelf life.
- Effectively reduce the outflow of wet products, such as fresh meat products, which can prevent blood from seeping out;

Technical Parameter

Machine mode	DZL-VSP series
Packing speed	6-8cycles/min
Packing type	Rigid film, vacuum skin packing
Packing shape	Customized
Film width	320mm-620mm(customized)
Max depth	50mm
Machine advance	<500mm
Power	Around 18kW
Machine size	Around 6500×1100×1900mm, or customized
Machine body material	304 SUS
Mold material	Quality anodized aluminum alloy

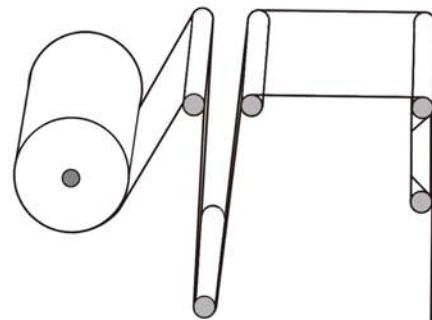


Working Procedure of Thermoforming Packaging Machine

This customized machine, according to the specific packaging solution is different, the shape, size, function, quantity, position and other parts of the machine will be different.

Special tension system and photocell sensor make the pre-printed top films used by customers accurately align the bottom film tray

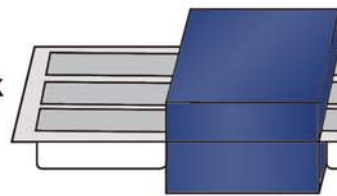
④ Top film system



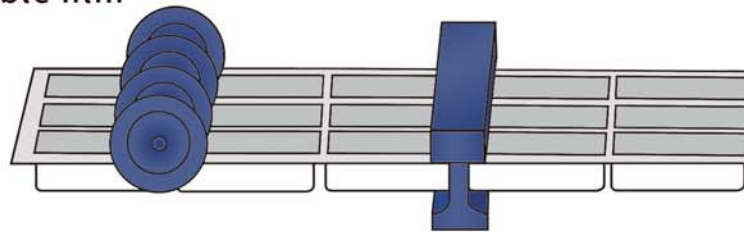
Die cutting system, makes the cutting edge more smooth and without burr

⑥ Cutting system

Rigid film/ skin pack



Flexible film



⑦ Longitudinal cutting system

Easy disassembly design, the longitudinal cutter can be easily lifted up and cleaned, while convenient to clean up the longitudinal cutter room

⑥ Cross cutting system

⑤ Sealing station

Its optional to do vacuum, MAP, or skin pack

Manual filling or automatic multi-head weighing filling system, liquid filling system, etc. The filling area can be integrated, and the length of the filling area can be customized

③ Loading area

Thermoforming area

Can heat and shape flexible film, rigid film, and semi-rigid film, and different film materials have different forming effects

②

① Bottom film feeding system

Easy to replace through a specially designed mechanism, the inflatable shaft can make the bottom film fixed on the shaft without deviation.

Advantage:

- High production output and pack quality
- Process reliability
- Professional providing personalized packaging solutions
- Fancy new appearance
- Easy maintenance with 304 SUS body
- Applicable with production line
- Wide application
- Optional third party equipment, such as multi-head scale, online printing, etc

Personalized customization

Special shape of tray



Multiple cell combination



Dotted line cut



Pre-print film



Tray reinforcement design



Logo design

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Third Party Equipment

The automatic packaging machine can be equipped with the following auxiliary device systems according to user needs to create a more perfect automated packaging production line.

- Multi head & auto weighing and loading system
- Robot (hand) automatic grab and fill system
- Automatic quantitative filling system for liquid, paste, and powder
- Online automatic printing and labeling system
- Precision gas mixer
- Automatic packaging line parallel and separate conveying system
- Weighing, metal detector or X detection screening

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Our honor



国家标准—连续
热成型真空充气



国家标准—真空空气
包装机



国家标准—超声波
软管灌装封尾机



ISO9001: 2015



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优秀创新型成长企业



热成型气调-科学技术
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发明专利



实用新型专利



CE证书

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High -quality supplier



Friendly cooperative partner

