

Automatic Thermoformer DZLSERIES

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**WTIER
PACKER**

Automatic Thermoforming Packing Line

THERMOFORMER

SAMPLE MACHINE FOR FLEXIBLE BOTTOM FILM. ANY OTHER CUSTOMIZING MACHINE CAN BE DIFFERENT IN APPEARANCE.



① Bottom film rolling system

Special film tensioning structure and sensor.
Film stabilized on the air swelling shaft

② Thermoforming area

Anodized aluminium mold and special heating plate
can keep the forming smooth and in good quality.

③ Loading area

Basic loading area length 1.2m. Can be customized.

④ Control panel

DELTA PLC and touch screen with great quality and
stability. It can sustain high stress work.

⑤ Top/Leading film rolling system

Special film tensioning system with sensor.
Film stabilized on the air swelling shaft

⑥ Sealing area

Anodized aluminium sealing mold with sensor
detecting the piston position.

⑦ Cutting area

Special cutting system used for different material.
With rigid bottom film we often use punch cutting.
With flexible bottom film we often use cross and vertical
cutting.

⑧ Waste film collecting and product output conveyor

Features

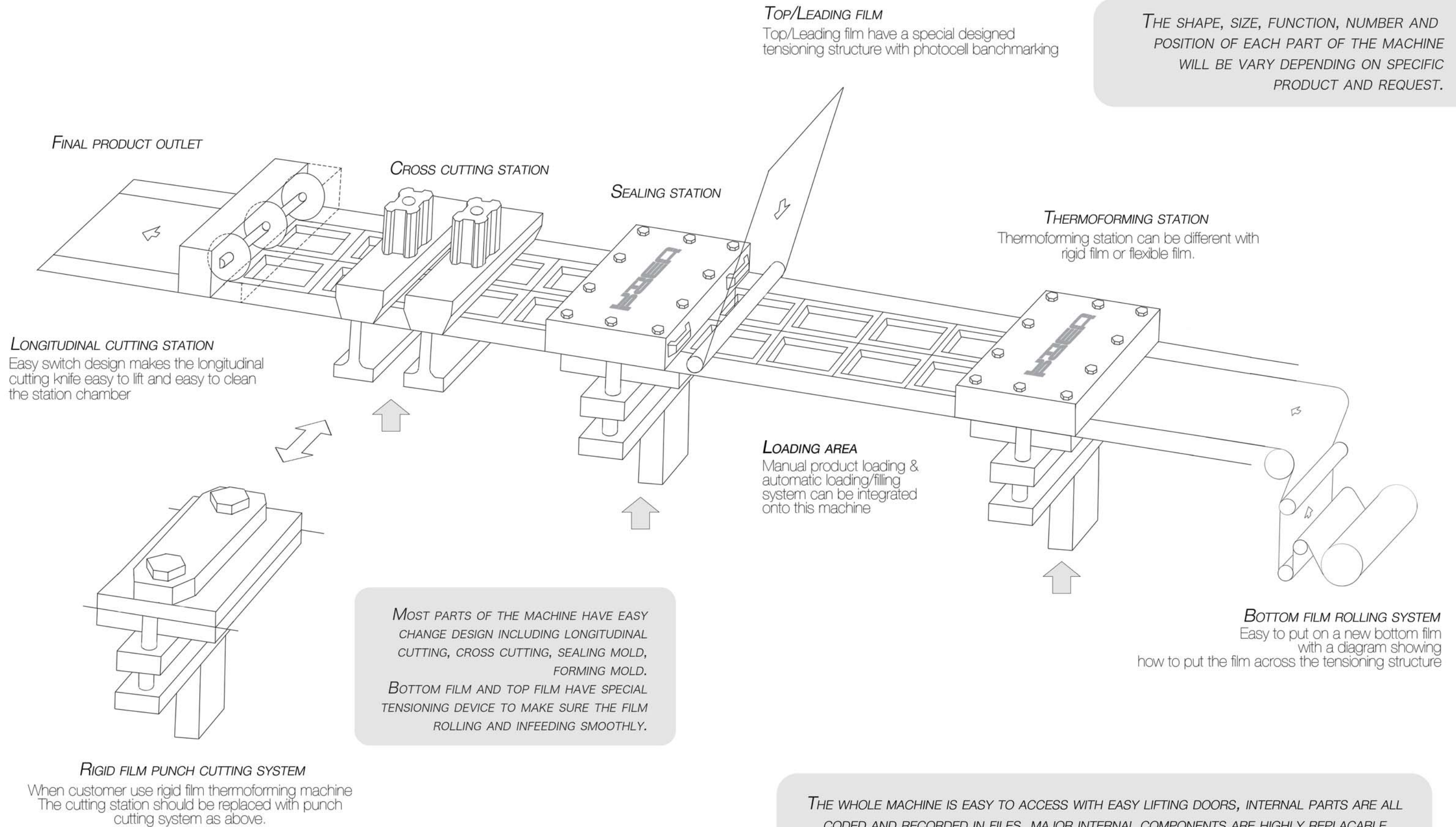
- Stainless steel construction make the machine more durable and more smooth.
- New waste film collector.
- Touch screen control panel.
- Easy accessibility of machine frame.
- Flexible in use of material, mold and cutting system.
- Patented cutting knife.
- Modular design.
- Friendly to most of additional mechanism, such as filling system, conveyor system, printing system...with options below:
 - Filler
 - Weigher
 - Vibrator
 - Recycle Water Cooling System
 - Photoelectric Sensor
 - Printer
 - Additional Vacuum Pump
 - Power Voltage customized
- Multiple choices for thermoform films:
 - Flexible and rigid containers
 - Sealable monofilms, multilayer films, foamed films, laminates with an aluminium layer, paper and Tyvek webs



Advantages

- Stainless steel construction make the machine longer lifetime.
- Advanced film infeeding system make the rolling film smooth and strong enough for thermoforming.
- Large touch screen PLC operating system provide maximum possibility for controlling the machine.
- Maximum safety protection. All the function section is covered with steel cover prevent worker from being hurt.
- Customizable in size, loading area, printing area adjustable for special need.
- Patent punch cutting mold can make the edge of tray much more smooth.
- Minimum (20mm×50mm) and maximum (600mm×300mm) size modified, various kind of product or amount of product can be packed.
- With the world's most advanced technology of thermoforming system, packing depth can reach 150mm (max)
(if the short side length is less than 150mm, the depth is less than the short side length by 0.6; if the short side length exceeds 150mm, the max depth is 90mm.)

WORKING PROCEDURE DIAGRAM



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PACKING METHOD

PACKING METHOD ON THERMOFORMING MACHINE CAN BE DEVIDED INTO SEVERAL PARTS AS BELOW:

1. RIGID TRAY PACKING

SUITABLE FOR MOST OF FOOD PRODUCT WITH OR WITHOUT LIQUID



The rigid pack have many benefits such as long shelf life, easy to contain, do not change the shape of product, mixed gas maintain and nice looking package.

2. FLEXIBLE BAG PACKING

SUITABLE FOR PRODUCTS WITH LARGE AMOUNT WHICH REQUIRES VOLUME DECREASE



Flexible pack can be easily stored and have a minimum volume saves a lot of space. It also can prolong the shelf life of product

3. BLISTER PACKING

BLISTER PACK IS SUITABLE FOR ELECTRICAL PRODCT, STATIONARY PRODUCTS AND TOOLS



For thermoforming machine blister packing will be limited in shapes that have sealing rim like medical pills and capsules

4. SKIN PACKING

SKIN PACK IS A CHANGED FORM OF RIGID TRAY PACKING



Skin pack use rigid bottom film to form a shallow tray to contain the product and covered with a shrinkable top film

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PRODUCT CATEGORY

Fresh Meat & Poultry



Seafood



Cheese



Sausage



Sandwich



Dry Fruit



Dates



Sausage



Pasta



Tofu



OTHER SNACK FOOD, MEDICAL PRODUCTS ELECTRICAL PRODUCTS, PRESERVED FOOD AND VEGITABLES ETC ARE ALSO SUITABLE FOR THIS MACHINE.

Physical parameter

Machine width: 1100mm
 Frame width: 820mm
 Forming width: 420mm
 Machine length: 5000/6000/7000/8000mm
 customizable
 Frame length: 4100/5100/6100/7100mm
 Machine height: 1870mm
 Advance length: ≤500mm
 Forming depth: ≤150mm
 Capacity: ≤8 cycle/min
 Machine control: Delta PLC

Bottom film/foil

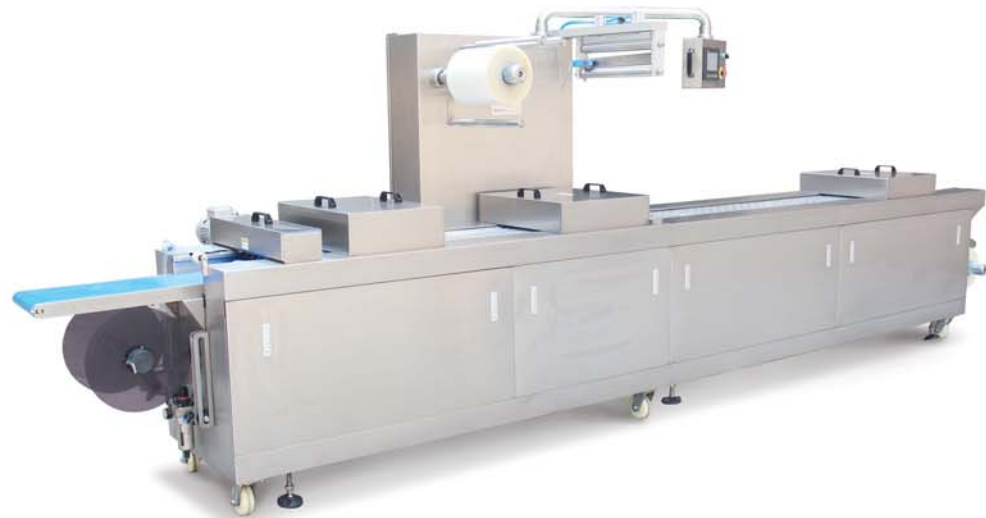
Materials: Thermoformable films
 Print: unprinted transparent film or color film
 Max. reel diameter: 500mm

Top film/foil

Materials: Flexible film
 Print: preprinted film or color film
 Max. reel diameter: 250mm

Electrical supplies: 3×220V 50Hz
 3×400V 50Hz

Compressed air: 6 bar
 Cooling water: 1.5-3 bar



Utien Pack Co., Ltd.

was established in 1994. The company is located in the historical city of shaoxing. We specialize in developping and manufacturing thermoforming packaging machinery, sealing, filling machines and advanced related products. Global sales extend throughout Europe , USA, Asia Pacific and local China regions. We provide the highest quality manufacturing and service through innovation and technology.



Utien Pack Co., Ltd.
 Shuguang Rd 255, Kebei Industrial Zone
 Shaoxing, Zhejiang 312081, China
 (T) 86 575 81107017 (F) 86 575 81107023
 www.utien.com

