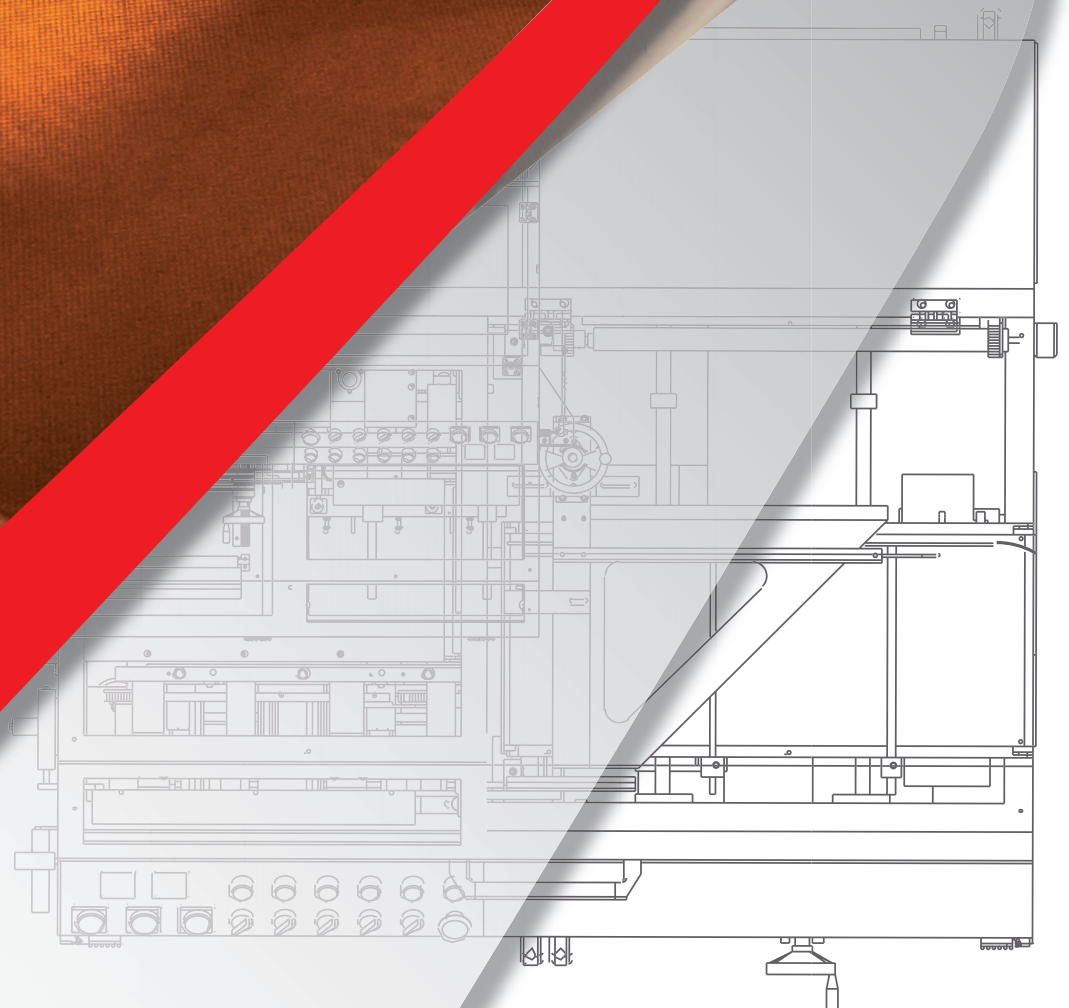




Distribution Centre Europe





Distribution Centre Europe

Film-Packaging Machines & Packaging Technology from ZinoPac – Germany



ZinoPac show-room

Packaging Machines in standard or custom made solution for several and many different products wrapped in film – with or without shrink – manual or automatic loading with special Infeed – Grouping or loading devices. Delivered from Germany.

Different kind of Film Packaging Machines – Semi Automatic or Full Automatic lines with a modern design, high quality construction and functionality in combination with well known components like:

Siemens, Omron, SEW, ProFace, ABB, Schmersal, Delta, Yaskawa.

Designed and manufactured according to European standards, giving the guarantee for stabile & continuous performance and long life even under heavy duty working conditions.

ZinoPac – e-shrink Distribution Center Europe –

is a German Trading house with warehouse and machine show room in Germany. Final assembling, programming, adjusting and test-run is made by ZinoPac, before delivery and shipment from ZinoPac warehouse in Germany.

ZinoPac GmbH, with deep experience in manufacturing and international sales, is establish to support and provide technical services as well as spare parts to our customers all over Europe.

Packaging Machines delivered by ZinoPac accordingly to European standards with CE-marks, EC-Confirmation and Certificates



ZinoPac GmbH – is always keen on customers needs

We supply a wide range of shrink packaging equipments from semi-automatic L-Bar sealer to continuous motion side sealer. We have the right machinery to satisfy all your needs.

Delivery and supply programm of **ZinoPac**:

Side Sealer Continuous Motion



T 400 / HS 400 / T 550

4 – 5

Continuous Motion Side Sealer



S 50 / F 50

6 – 7

Side Sealer Intermittent Motion



LB 530 / 800 / 950 / 1100

8 – 9

Vertical L-Bar Sealer



LB 801 / 802 / 803

10 – 11

Automatic L-Bar Sealer



LB 728 / 729

12 – 13

Semi-Automatic L-Bar Sealer



LB 601 / 602 / 603

14 – 15

Sleeve Wrapping Machine



LB 119 / 5525 SA / 8035 SA / 5525 ACA

16 – 17

Standard Heat Shrink Tunnel



LB 201 / 301

18

Turbine Heat Circulation Shrink Tunnel



T-series

19

Options



20 – 22



OPTIONS

- Feeding systems
- Print mark register
- Stainless steel construction
- Modem for telediagnostic

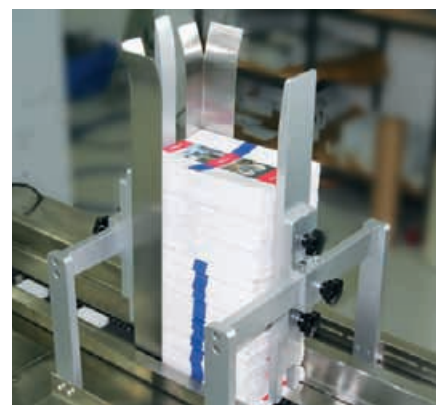
Servo drive system ensures the machine to perform stable even under high or low operation speed. Under the continuous motion packaging process, product still runs smoothly without slippages and unstable collations.

FEATURES

- Continuous packaging motion without stopping the product
- Servo motion control system ensures precise and stable performance
- Professional sealing for different kind of film (PO, PE, & PVC) up to 50µm
- Yaskawa PLC, Touch Screen and SEW motors
- Permanent heated sealing systems
- Capable to plug-in different optional infeed systems for different products.
- Quick change over by calling data from touch panel
- Side seal device can reduce wastage films usage
- Excellent perforation system allows the pin easily to change and adjust



Friction feeder for feeding single sheet paper



Vertical type feeder matches up with finger chain conveyor



Finger chain conveyor with roller support



Flat film folding device

Model	T 400	HS 400	T 550
Product width	50 – 400mm	50 – 400mm	100 – 500mm
Product height	5 – 120mm	5 – 120mm	5 – 120mm
Product length	60 – 1000mm	60 – 1000mm	60 – 1000mm
Sealing width	500mm	500mm	630mm
Film width (Center Folded)	up to 600mm	up to 600mm	up to 750mm
Output	up to 80 packs/min	up to 120packs/min	up to 80packs/min
Electric connection	1~230 V; 3.5kW	1~230 V; 3.5kW	1~230 V; 3.5kW
Pneumatic consumption	only for side sealing max. 0.15ℓ/Cycle; 8bar		
Working height	850 + 50mm		
Machine dimensions (L x W x H)	6300 x 1825 x 1385mm	2855 x 1805 x 1385mm	5595 x 2060 x 1315mm
Finger chain conveyor length	3600mm	Finger chain or conveyor feeding system are optional	3600mm

Performance is depending on product sizes, film, feeding, and operating personnel • Technical and design modification reserved



Up to 60 packs/minute

Highly suitable for industries:

- Print and paper
- Food and beverage
- Contract Packers
- Non Food

Based on the servo driven continuous motion side sealer, S-50 and F-50 offer a more economical packaging solution with servo controlled for customers. S-50 can also be equipped by various kinds of infeed system so as to minimize the budget cost by increasing machine flexibility. This series is mostly suitable for a wide range of applications.

FEATURES

- Speed up to 60ppm
- Quick change of infeed system for different products
- Power conveyor provides the easiest connection with existing production line
- Finger chain conveyor can be uses for collecting product with feeder or handfeed
- Finger chain conveyor apply to multipack of different product height and shape
- F-50 contains finger chain conveyor infeed system only.
- Simple setup system and operation through user friendly touch screen design
- Easy to recall package memory on the touch screen
- Diagnostic features on the touch screen



Product infeed with conveyor belt in different lengths + speed control



Adjustable finger chain conveyor belt or product separating conveyor



Product infeed with finger chain conveyor with speed control – center adjustment for different width of products in dependence of the side sealing

OPTION

Central regulation of side guidance



Model	S 50	S 60	F 50
Machine Size (L x W x H)	4530 × 1630 × 1370mm	2780 × 1900 × 1370mm	49700 × 1680 × 1370mm
Packing size (L x W x H mm)	(80~1200) × (80~380) × (10~180)	(80~1200) × (80~500) × (10~200)	(80~700) × (80~380) × (5~180)
End seal bar (mm)	L: 530	L: 800	L: 530
Max. Films Width (Center folded)	up to 580mm	up to 850mm	up to 580mm
Power	1~230V; 5kW	1~230V; 6.5kW	
Packing capacity (packs/min) Depends on products	Max. 60		
Pneumatic consumption	max. 7ℓ/Cycle; 8bar		

Performance is depending on product sizes, film, feeding, and operating personnel • Technical and design modification reserved



Side Sealer Intermittent Motion

LB 530 / 800 / 950 / 1100



LB 530

Up to 80 packs/minute

Automatic Side sealer intermittent motion provides perfect packaging results for a wide range of products. High flexibility and quick change over are the advantages of the touch control system with user friendly interface.

FEATURES

- Packing product length without length limitations
- Center seal - Sealing line adjust on product center, achieve the best quality
- Professional sealing for different kind of films (PO, PE & PVC) up to 50µm
- High packaging capacity, up to 80 packs/Min
- Film perforation system
- Cross sealing unit servo driven - adjustable in speed & pressure
- Permanent heated sealing systems
- Kissing belts for packaging of short products less than 80mm
- Product data memory for variety products and recurrent jobs
- Conveyor speed variable and adjustable
- Packaging of single- or multipacks
- Assembled on heavy steel frame - long lasting construction
- Omron PLC, Touch Screen and SEW motors, Option: Siemens PLC S7



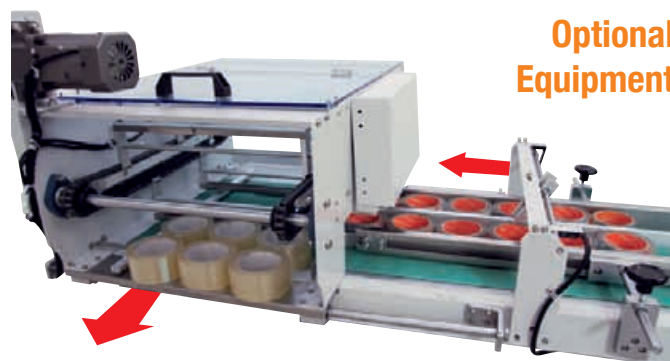
LB 1100

Up to 30 packs/minute

Touch screencontrol is easy to operate and to prevent man-made mistake

OPTIONS

- Feeding systems
- Print mark register
- Stainless steel construction
- Modem for telediagnostic
- Infeed pusher



Grouping and feeding unit

Model	LB 530	LB 800	LB 950	LB 1100
Product width	50 – 420mm	150 – 660mm	150 – 830mm	200 – 1020mm
Product height	2 – 180mm	2 – 180mm	20 – 180mm	20 – 180mm
Product length	30 – ∞mm	100 – ∞mm	200 – ∞mm	300 – ∞mm
Sealing width	530mm	800mm	950mm	1140mm
Film width (Center folded)	up to 680mm	up to 950mm	up to 1080mm	up to 1350mm
Output	up to 80packs/min	up to 40packs/min	up to 40packs/min	up to 30packs/min
Conveyor speed	5 – 45m/min	5 – 40m/min	5 – 40m/min	5 – 30m/min
Electric connection	1~230 V; 3kW	1~230 V; 3.5kW	1~230 V; 3.5kW	1~230 V; 4kW
Pneumatic consumption	only for side sealing max. 0.15ℓ/Cycle; 8bar			
Working height	850 + 50mm			
Machine dimensions (L x W x H)	1820 x 1605 x 1330mm	2240 x 2145 x 1490mm	2385 x 2545 x 1490mm	2530 x 2765 x 1490mm

Performance is depending on product sizes, film, feeding, and operating personnel • Technical and design modification reserved


LB 801
Up to 40 packs/minute

New generation and technology of Automatic L-Bar Sealer

This vertical L-Bar sealer achieve a breakthrough and new perception from traditional L-Bar sealer. The design with four pillars driven sealing frame guaranteed the same pressure in all areas of the film sealing. A small sealing bar allows a tight packaging and reduce the film consumption. This new system – no scissors – provides a high quality of packs.

FEATURES

- Complied wrapping of products up to 300mm height (802)
- Center seal - Sealing line adjust on product center, achieve the best quality
- Motorized height adjustment of the sealing frame
- Professional sealing for different kind of films (PO, PE & PVC) up to 50µm
- High packaging capacity, up to 40 packs/Min
- Film perforation system
- Permanent constant heated sealing systems
- Product data memory for variety products and recurrent jobs
- Packaging of single- or multipacks
- Assembled on heavy steel frame - long lasting construction
- Omron PLC, Touch Screen and SEW motors



LB 802 SUS

Stainless Steel

OPTION

Infeed conveyor can easily disassembling for washing.



Optional Equipment

- Kissing belts for short products - less than 80mm
- Adjustable conveyor speed
- Feeding systems
- Print mark register
- Stainless steel construction
- Modem for telediagnosics

Model	LB 801	LB 802	LB 803
Product width	50 – 280mm	60 – 430mm	200 – 630mm
Product height	2 – 80mm	10 – 300mm	10 – 180mm
Product length	80 – 400mm	100 – 560mm	200 – 830mm
Sealing bar dimension (L x W)	450 x 335mm	630 x 515mm	900 x 700mm
Film width (Center Folded)	up to 500mm	up to 650mm	up to 1000mm
Output	up to 40packs/min	up to 40packs/min	up to 30packs/min
Conveyor speed	26m/min		
Electric connection	1~230 V; 2.5kW	1 ~ 230V; 3kW	1 ~ 230V; 4kW
Pneumatic consumption	max. 9ℓ/Cycle; 5bar		max. 13ℓ/Cycle; 6bar
Working height	850 + 50mm		
Machine dimensions (L x W x H)	1475 x 1320 x 1230mm	2000 x 1450 x 1315mm	2420 x 1710 x 1325mm

Performance is depending on product sizes, film, feeding, and operating personnel • Technical and design modification reserved



ZinoPac Automatic L-Bar Sealer

LB 728 / 729 CS



LB 728

Up to 25 packs/minute

The LB 728 Automatic L-Bar Sealer provides an economic, durable and easy-operation solution for a very wide product range. It contains easy-adjustable film perforation device, adjustable in-feed table and product feeding guide.

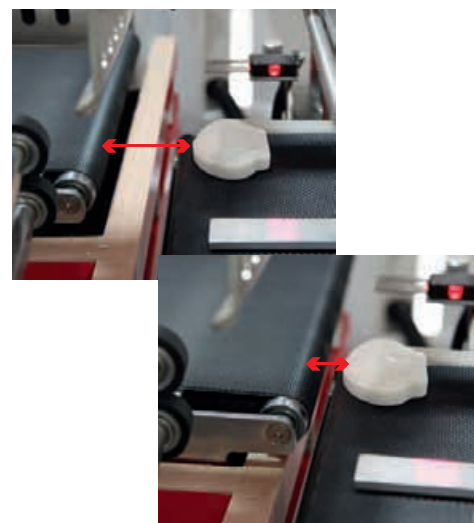
FEATURES

- An economic choice in automatic sealer grade
- Easy maintenance and operation
- Professional sealing for different kind of films (PO, PVC) up to 40µm
- High packaging capacity, up to 35 packs/Min
- Film perforation system
- Permanent heated sealing systems
- Packaging of single- or multipacks
- Assembled on heavy steel frame - long lasting construction



LB 729 CS

Up to 35 packs/minute



Kissing Conveyor Belt

The distance between the front and rear conveyor belt can get closer for packing small products. When sealing, the rear conveyor will pull back for sealing bar to go downward.

The new LB 729 Automatic L-Bar Sealer Center Seal provides – additional to all functions of the LB 728 – the height adjustable sealing frame to ensure the sealing seem at the middle of the product height. The new designed protective guards increase the safety of operation.

Optional Equipment

- Kissing belts for short products
- Adjustable conveyor speed
- Feeding systems
- Touch-Screen
- Stainless steel construction

Model	LB 728	LB 729 CS
Product width	60 – 350mm	60 – 430mm
Product height	5 – 120mm	10 – 160mm
Product length	100 – 450mm	60 – 560mm
Sealing bar dimension (L x W)	565 x 460mm	630 x 520mm
Film width (Center Folded)	up to 530mm	up to 650mm
Output	up to 25packs/min	up to 35packs/min
Conveyor speed	26m/min	
Electric connection	1-230 V; 3kW	
Pneumatic consumption	max. 2.5ℓ/Cycle; 6bar	
Working height	850 + 50mm	
Machine dimensions (L x W x H)	1795 x 985 x 1570mm	1770 x 1210 x 1570mm

Performance is depending on product sizes, film, feeding, and operating personnel • Technical and design modification reserved



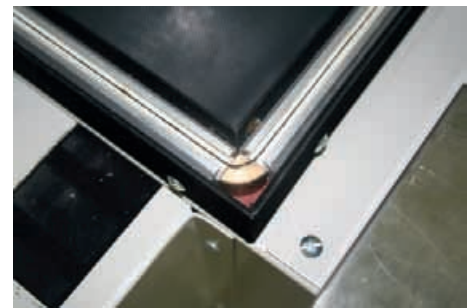
ZinoPac Semi-Automatic L-Bar Sealer

LB 601 / 602 / 603

LB 601 A



LB 601



Durable sealing blade provides a strong and neat sealing seam

Up to 15 packs/minute

Fundamental shrink packaging machine is design for various products. Gain benefit from the simple but strong structural construction. Manual or pneumatic models are available. Sealing seam is excellent in packing with irregular shapes.

FEATURES

- Height of conveyor adjustable
- Wrapped product will be transported into the shrink tunnel
- Protection device integrated into the sealing frame
- Professional sealing for different kind of film (PO, PE, & PVC) up to 40µm
- Long lasting and easy adjustable perforation system
- Pneumatic sealing system for automatic sealing cycle function
- Stainless steel construction is an option
- Manual magnetic or pneumatic sealing system

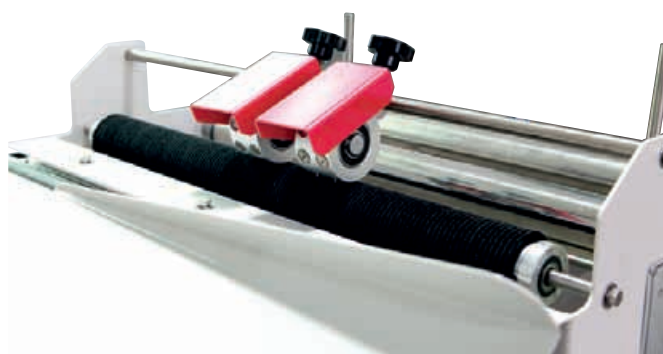
LB 603



OPTION

Stainless steel
construction

Up to 8 packs/minute



Excellent perforation system allows the pins
easily to change and adjust.

Model	LB 601	LB 601A	LB 602	LB 603
Product width	100 – 400mm		100 – 650mm	200 – 870mm
Product height	2 – 280mm		10 – 280mm	10 – 280mm
Product length	10 – 500mm		10 – 850mm	200 – 850mm
Sealing bar dimension (L x W)	530 x 450mm		900 x 700mm	1300 x 900mm
Film width (Center Folded)	up to 680mm		up to 950mm	up to 1250mm
Output	up to 15packs/min		up to 10packs/min	up to 8packs/min
Electric connection	1~230 V; 1.5kW		1 ~ 230V; 2kW	1 ~ 230V; 3kW
Pneumatic consumption	–	max. 3.5ℓ/Cycle; 5bar	–	–
Working height	850 + 50mm			
Machine dimensions (L x W x H)	1765 x 810 x 975mm	1615 x 740 x 1070mm	2410 x 1095 x 1515mm	2840 x 1565 x 1310mm

Performance is depending on product sizes, film, feeding, and operating personnel • Technical and design modification reserved



LB 119

Up to 15 packs/minute

OPTIONS

- Stainless steel construction
- Omron PLC & SEW Motors
- Collecting, grouping and feeding systems



5525 SA

Up to 20 packs/minute

For packaging singlepacks or multipacks for a wide range of products. Due to its strong and solid construction it can handle goods up to 60kg. Infeed system for different purposes are available for completing the whole production line.

FEATURES

- Touch control panel
- Easy to adjust and operate
- Can pack singlewise or multipacks
- Sealing knife is design to make a strong sealing seam
- Permanent heated sealing systems
- Polyethylene film up to 100µm
- Straight-infeed system and angle-feed system is available
- Run-through without packaging function is possible
- Assembled on heavy steel frame - long lasting construction



5525 ACA

Up to 15 packs/minute

Model	5525 SA	LB 8035 SA	5525 ACA	LB 119
Product width	200 – 500mm	200 – 650mm	50 – 500mm	300 – 1000mm
Product height	12 – 250mm	50 – 350mm	15 – 250mm	16 – 600mm
Product length	100 – ∞mm	100 – ∞mm	50 – 290mm	200 – ∞mm
Sealing bar width	650mm	800mm	650mm	1300mm
Film width (Flat film)	up to 600mm	up to 750mm	up to 600 mm	up to 1250mm
Output	up to 20packs/min	up to 15packs/min	up to 15packs/min	up to 15packs/min
Electric connection	1~230 V; 2.5kW	1~230 V; 2.5kW	1 ~ 230V; 2.5kW	1 ~ 230V ; 3.5kW
Pneumatic consumption	max. 3.5ℓ/Cycle; 5bar			
Working height	850 + 50mm			
Machine dimensions (L x W x H)	1310 x 1180 x 1760mm	1320 x 1330 x 1760mm	1300 x 2305 x 1800mm	2400 x 1750 x 2085mm

Performance is depending on product sizes, film, feeding, and operating personnel • Technical and design modification reserved



LB 201

Standard heat shrink tunnel not only provides an economical solution for different shrink wrapping purpose, but also capable of shrink wrapping a wide range of products in different sizes and shapes. Pairing up with our automatic or semi-automatic sealers.

FEATURES

- Uses stainless steel heating tubes
- Adjustable speed transmission belt for better results
- Temperature control ensures temperature consistency
- Roller belt equipped, with the option of stainless steel or teflon mesh conveyor
- An economic choice with satisfactory performance

Model	LB 201	LB 301
Max. product dimension (W x H)	370 x 230mm	450 x 200mm
Chamber size (L x W x H)	1000 x 420 x 250mm	1300 x 520 x 250mm
Conveyor speed	2 – 15m/min	
Electric connection	3~400 V; 12kW	3~400 V; 14kW
Working height	850 + 50mm	
Machine dimensions (L x W x H)	1200 x 670 x 1290mm	1300 x 770 x 1290mm

T 62 SUS

Stainless steel construction



Performance is depending on product sizes, film, feeding, and operating personnel • Technical and design modification reserved



ZinoPac Turbine Heat Circulation Shrink Tunnel

T-series

High efficiency shrink tunnel

Environmental- friendly machine was become more important for sustainable packaging. To achieve this target turbine heat circulation shrink tunnel adopts heat recovery and effective insulation fibre boards. Independent from the product and dimensions the shrink tunnel provides a excellent shrink result with all kind and brands of shrink films.

T 63



OPTIONS

- Observation window
- Open chamber

FEATURES

- Installed turbo hot air flow circulation
- Temperature control ensures temperature consistency
- Highly reduced heat up time
- Lower heat lost to surrounding
- Reduce the energy consumption
- The lateral air flow direction is adjustable
- Bottom air flow strenght can be adjusted
- Different conveyor system are available

Model	T 62	T 63	T 64
Max. prod. dims. (W x H)	370 x 230mm	400 x 300mm	500 x 300mm
Chamber size (L x W x H)	1000 x 420 x 250mm	1700 x 450 x 350mm	1700 x 540 x 350mm
Conveyor speed	0 – 30m/min		
Electric connection	3~400 V; 12kW	3~400 V; 16kW	3~400 V; 18kW
Working height	850 + 50mm		
Machine dimension (L x W x H)	1200 x 670 x 1290 mm	2200 x 1100 x 1290 mm	2200 x 1090 x 1230 mm

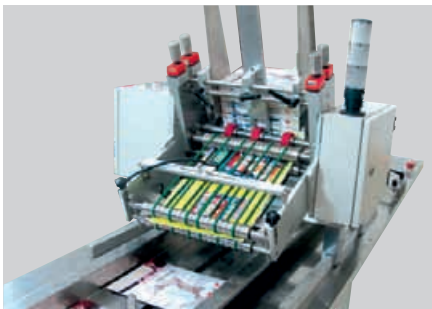
Model	T 65	T 66	T 67
Max. prod. dims. (W x H)	650 x 230mm	700 x 400mm	1100 x 230 – 400mm
Chamber size (L x W x H)	1700 x 700 x 280mm	1900 x 790 x 500mm	2000 x 1200 x 280 – 500mm
Conveyor speed	0 – 30m/min		
Electric connection	3~400 V; 23kW	3~400 V; 23kW	3~400 V; 28kW
Working height	850 + 50mm		
Machine dimension (L x W x H)	2200 x 1250 x 1180mm	2400 x 1260 x 1480mm	2400 x 1660 x 1260mm

Performance is depending on product sizes, film, feeding, and operating personnel • Technical and design modification reserved



Automatic grouping and feeding device

Feeding devices with grouping function are specially designed to feed products to form a multi packing. Several products can drive together on the same time to prohibit misalignment happen. Packaging quality is improved because of this. It can increase production speed compare to feed multi products by hand. Connecting to the existing production line can accomplish a fully automatic production.



Friction feeder

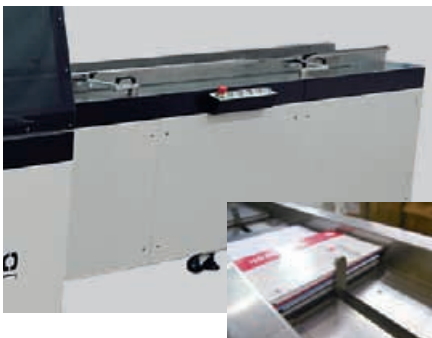
Friction feeders are specially designed for handle a wide range of products. Normally, it is mounted at the right angles on a finger chain conveyor.

A set of products such as envelopes, booklets, cards, paper sheet, can be counted and feed on the finger chain conveyor which connects to subsequence shrink wrapper.



Automatic feeder, CD-600 and CD-605

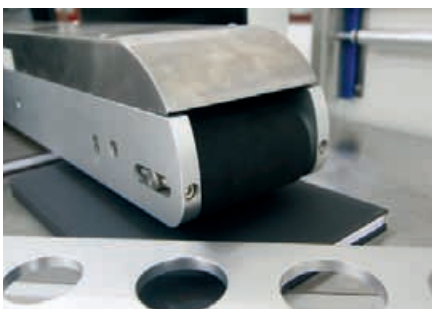
This series of feeder is design for handling all kind of booklets, mail pieces, phone card, magazine, CD's & DVD's etc... They can feed those products individually to other conveyor for subsequence process. Feeding speed can control independently for variety of usage. Systematically connect with shrink wrapper to form a complete automatic packing line.



Finger chain conveyor

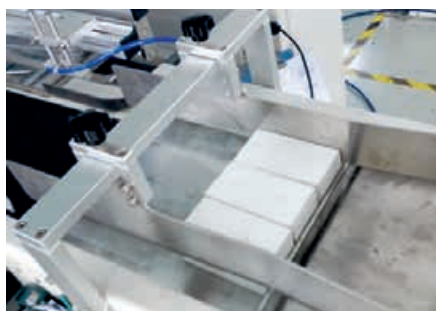
Finger chain conveyor contains quick change flight lugs and stainless steel surface. With product guide rail, it is mostly use for drive a cluster of products to fit a wide range of products.

Programmable connect to subsequence shrink wrapper and missing products detection are available. Tailor make in different specification are available.



Harmonic conveyor

Harmonic conveyor ensures product stability under high production speed. Overhead-belt or Side-belt is available.



Flight bar conveyor

A guide rail pushing system is employed to pushing product in multi-packs format. Depends on products height and shape, different guide rail pushing systems are available.



Power conveyor

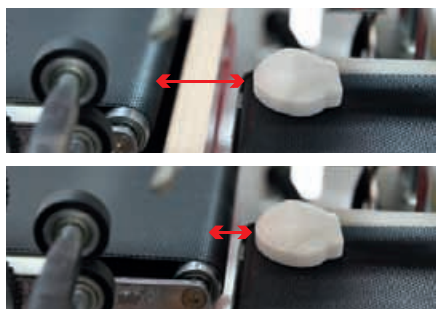
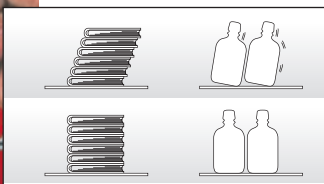
Heavy loaded conveyor can afford over 200 kg products on the same time and operate stably. E-shrink conveyors are available in a variety of Length and Width base on customer requirement or engineer recommendation. Tailor make for different sort of products are available.



Adjustable conveyor speed option

(For LB-728, LB-729, LB-801, LB-802 and LB-803)

This option offer user can adjust the front and rear conveyor speed on L-Bar sealer. When dealing with unstable or slippery surface product (such as bottles and a pile of books), the inertia of conveyor may affect the product alignment. Slow down the conveyor speed can improve this problem.



Kissing conveyor belt

The distance between the front and rear conveyor belt can get closer for packing small products. When sealing happen, the rear conveyor will pull back for sealing bar to go downward.



Centerfolder

Devices to change single sheet POF films to center fold form. Save 50% of time to films changing to increase productive efficiency.

Shrink Tunnel Options / Accessory



Observation Window

Operator can provide instant control and adjustment during the shrinking process.



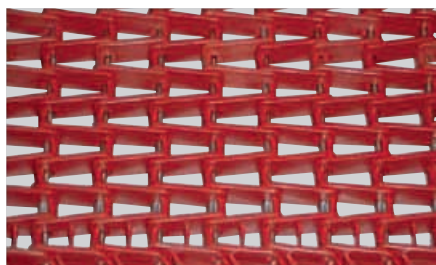
Pressing roller

Preventing thin and soft paper products distortion after shrinking.



Mesh conveyor

Stainless steel or Teflon make mesh conveyor is available. Avoid small and thin product drop down into the gap of conveyor roller.



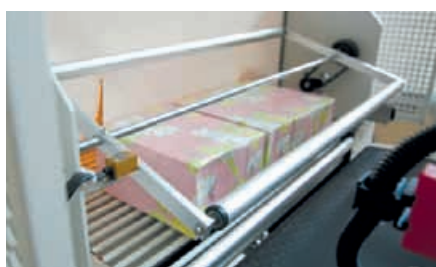
Plastic mesh conveyor belt

for heavy products.



Opening of Chamber

Chamber is able to open for inspection and maintenance.



Group alignment device

Make a regular alignment of group packaging before shrink.



ZinoPac



Distribution Centre Europe

**Film-Packaging Machines & Packaging Technology
from ZinoPac – Germany**





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