



SHRINK/SLEEVE PACKAGING SOLUTIONS

A GLOBAL MANUFACTURING ENTERPRISE

INTERTECH EQUIPTECHNOLOGIES PVT. LTD. was established in the year 2005 & started its journey to carry out fabrication & to provide technical advisory design services along with design and development of equipments & machines. Since then, our activities have slowly and steadily grown and today we cater to a wide spectrum of clients in Pharmaceutical, Cosmetic, Food, Chemical and other allied industries with over 100 varieties of Processing, Packaging and allied equipments & machineries. We provide services including Equipment selection, Turnkey project execution, Installation and After sales service.

We handle Pharmaceuticals, Cosmetics & Personnel care and Food projects from Conceptualization to Execution within relevant standards. While our engineering, design, procurement and management services are available in comprehensive project packages. We also provide this engineering project management, project management & consultancy services individually or in any combination as per clients specification. We support process, utility & environmental systems, facilities & plant infrastructure etc.

We stress on an environmentally-friendly industry as a common target. The Company endeavours towards achieving an engineered solutions for process demand of all Pharmaceuticals, Food, Cosmetics & other allied industries. Company has infrastructure of 80,000 sq.ft. state-of-the-art and in-house design & development facilities.

The state-of-the-art facility



Major industries we serve



Pharma industries

INTERTECH has substantial experience in executing Pharmaceutical projects from conceptualization to validation & will be ideal partner for each Solid dose processing, Liquid dose processing and Cream processing phase. Our vast experience of many years in planning and implementation of complete and module plants for the production of sterile and non-sterile products has led us to enviable position



Food industries

Food Industry is a sector with special needs and quality standards. The design of the various components must take into consideration all the factors able to eliminate possible areas of product deposit to minimize the sources of cross contamination.



Cosmetics industries

INTERTECH offers turnkey solution for the Cosmetics & Personal Care products manufacturing industries from Conceptualizing, Designing, Fabrication, Supply, Erection & Batch Trial of all equipment's & utilities involved within. There has been stringent & validation demand to manufacture Cosmetics which have therapeutic value with certain international quality standard to enhance product self life & its effective end use.



Chemical industries

Chemical Industry usually uses drying and concentration processes for treating many products. Use of moderately high temperatures together with the chemical-physical aggressiveness of the products to be processed is a common characteristic in the chemical industry.

Empowering customers around the world

INTERTECH EQUIPTECHNOLOGIES PVT. LTD. has partnered with global leaders to bring to india some of the latest advances in process and packaging technology. The value added things with our customers are the prompt and efficient service back up in India as well as globally.

Our Global presence

- INDIA • SINGAPORE • MALAYSIA • PHILIPPINES • NIGERIA • SOUTH AFRICA
- TURKEY • RUSSIA • UKRAINE • GEORGIA • KAZAKHSTAN • USA

AUTOMATIC L-BAR SEALING & SHRINK PACKING MACHINE



IET-BMD-450C

IET-BS-400LA



IET-BS-400LA + IET-BMD-450C

Automatic L-bar Sealing & Shrink Packing Machine

Technical data IET-BS-400LA

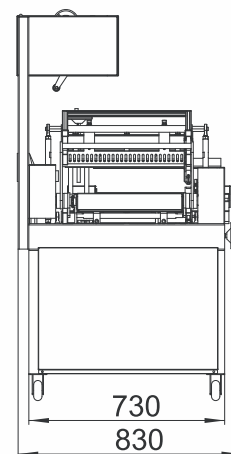
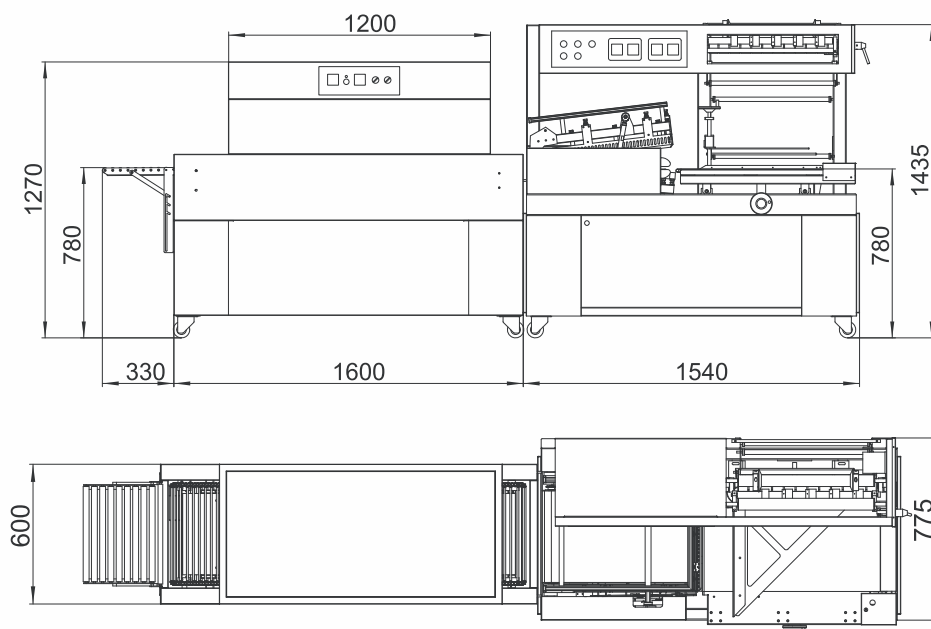
Sealing type	L-sealing by means of L-bar
Power supply	415V/50-60Hz/3phase
Max packing capacity	15-35 packs per minute (depends on product size)
Sealing height	≤125 mm
Packing width	≤350 mm
Product size	≤400 mm width+height≤400 mm ≤480 mm length+height≤480 mm
Film type	Center-folded polyolefin (POF) film
Max film size	530mm (width) x 280mm (outer diameter)
Power consumption	1.5 kW
Working height	780-850 mm
Air pressure	≤0.5MPa (5 bar)
Sealing system	Permanently heated seal bar coated with Teflon
Machine material	Carbon steel or stainless steel
Weight	300kg

Technical data IET-BMD-450C

Power supply	415V/50-60Hz/3phase
Oven size	400(W) x 220(H) mm
Conveyor speed	Variable
Conveyor	Chains with rotating silicon coated rods
Power consumption	7kW
Working height	780-850 mm
Machine material	Carbon steel or stainless steel
Weight	160kg

Applications

Single and group products of medicine, food, beverages, stationery, printings, cosmetic, electronic products, toys, auto parts, tableware, etc.



Specifications on all machines can be changed upon request.

AUTOMATIC L-BAR SEALING & SHRINK PACKING MACHINE (With HMI)



IET-BMD-450B

IET-BS-400LB



IET-BS-400LB + IET-BMD-450B

Automatic L-bar Sealing & Shrink Packing Machine

Technical data IET-BS-400LB

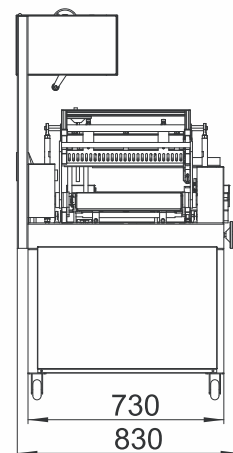
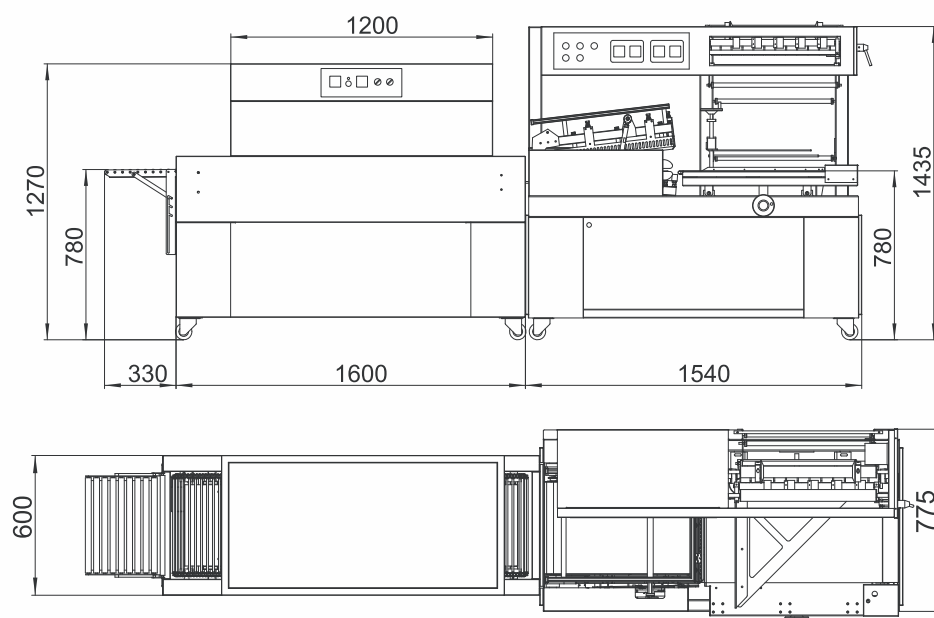
Sealing type	L-sealing by means of L-bar
Power supply	415V/50-60Hz/3phase
Packing capacity	15-35 packs per minute (depends on product size)
Sealing height	≤125 mm
Packing width	≤350 mm
Product size	≤400 mm width+height≤400 mm ≤480 mm length+height≤480 mm
Film type	Center-folded polyolefin (POF) film
Max film size	530mm (width) x 280mm(outer diameter)
Power consumption	1.5 kW
Working height	780-850 mm
Air pressure	≤0.5MPa (5 bar)
Sealing system	Permanently heated seal bar coated with Teflon
Operating interface	Eview color touchscreen, display operation guidance and error diagnostic
Machine material	Carbon steel or stainless steel
Weight	350kg

Technical data IET-BMD-450B

Power supply	415V/50-60Hz/3phase
Oven size	1200mm(L), 400(W) x 220(H) mm
Conveyor speed	Variable
Conveyor	Chains with rotating silicon coated rods
Power consumption	7kW
Working height	780-850 mm
Machine material	Carbon steel or stainless steel
Weight	200kg

Applications

Pharmaceutical, food, stationery, cosmetic, electronic products, toys, etc.



Specifications on all machines can be changed upon request.

AUTOMATIC SIDE SEALING & SHRINK PACKING MACHINE



IET-GB-350

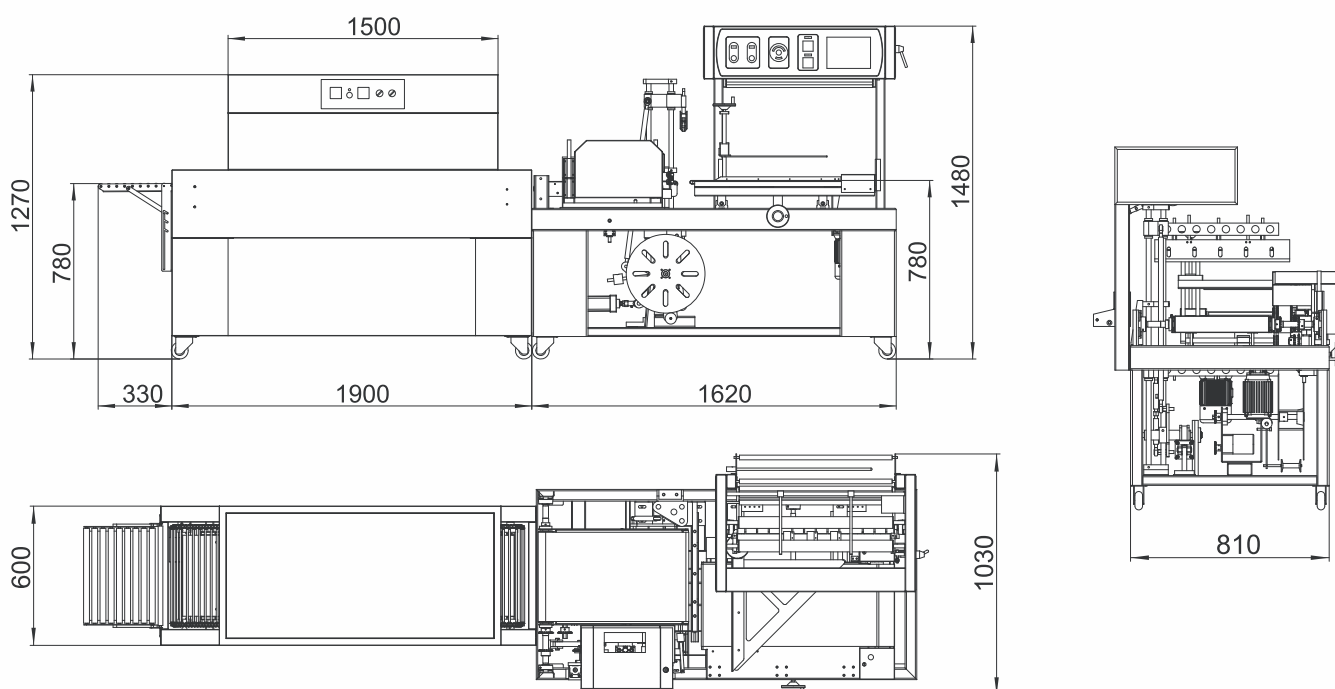


Technical data IET-GB-350

Sealing type	Side sealing	Power consumption	8.5 kW
Power supply	415V/50-60Hz/3phase	Tunnel conveyor speed	Variable
Sealing height	≤200 mm	Tunnel conveyor	Chains with rotating silicon coated rods
Sealing width	≤350 mm	Working height	780-820 mm
Product size	≤450 mm (width) (height) ≤450 mm	Air pressure	≤0.5MPa (5 bar)
Product length	Infinite	Sealing system	Permanently heated seal bar coated with Teflon
Packing capacity	Depens on product length	Operating interface	Display operation guidance and error diagnostic
Film type	Center-folded polyolefin (POF, PE) film	Machine material	Carbon steel or stainless steel
Max film size	580mm (width) x 280mm (outer diameter)	Weight	600kg

Applications

Longer products such as flooring boards, paper rolls, etc.



Specifications on all machines can be changed upon request.

AUTOMATIC SEALING AND SHRINK WRAPPING MACHINE (All Side Close)



IET-SGB-900

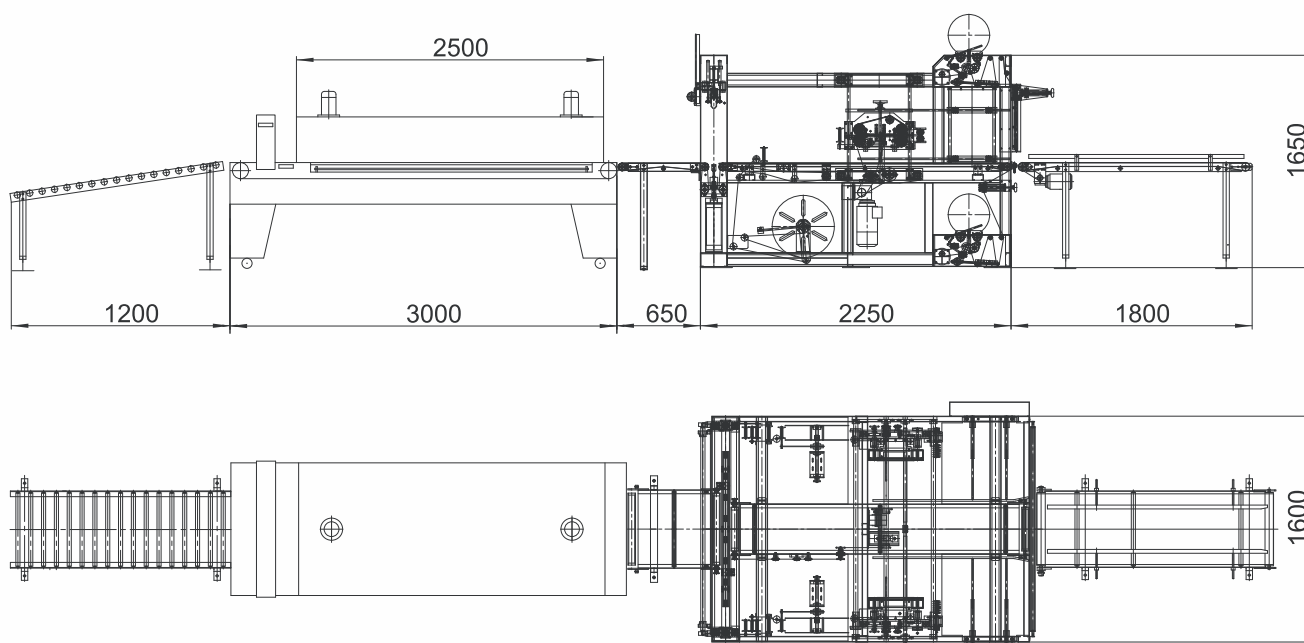


Technical data IET-SGB-900

Sealing type	4 side sealing, full close	Max power consumption	Sealer: 2.5kw, Shrink tunnel: 20kw
Power supply	415V/50-60Hz/3P	Working height	850-90 mm
Film type	400mm < (width), < 900mm (height), >250mm(length)	Air pressure	0.5MPa (5 bar)
Sealing height	300 mm	Sealing system	Permanently heated seal bar coated with teflon
Sealing knife width	1100mm	Operating interface	Display operation guidance and error diagnostic
Product length	Infinite	Machine main material	Carbon steel or stainless steel
Conveyor speed	15m/min	Machine weight	2000kg
Product size	PE film, POF film		

Applications

Longer and wider products such as floorings, doors, windows, big boxes.



Specifications on all machines can be changed upon request.

AUTOMATIC SLEEVE SEALING & SHRINK PACKING MACHINE



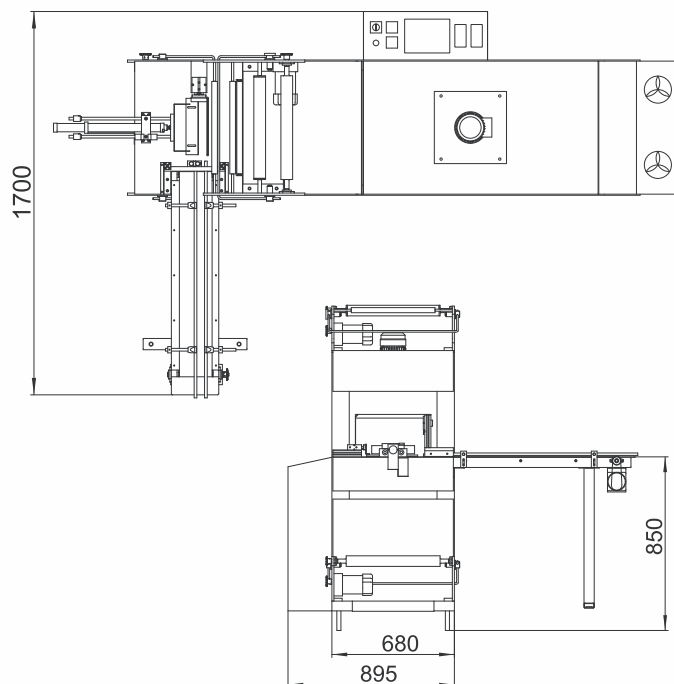
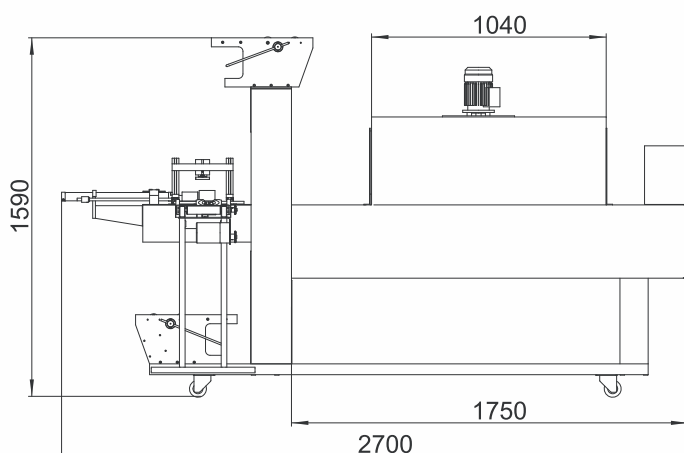
IET-BMD - 600A

Technical data IET-BMD - 600A

Sealing type	Sleeve sealing	Tunnel conveyor speed	Variable
Power supply	415V/50-60Hz/3phase	Tunnel conveyor	Steel mesh conveyor
Max product size	320(L) x 180(W) x 160(H) mm	Working height	850-900 mm
Max Packing capacity	10-20 packs per minute	Air pressure	≤0.5MPa (5 bar)
Film type	Polyethylene (PE) film	Sealing system	Permanently heated seal bar coated with Teflon
Max film size	380 (width) x 280mm (outer diameter)	Operating interface	Display operation guidance and error diagnostic
Power consumption	8 kW	Machine material	Carbon steel or stainless steel
Tunnel oven size	Entrance 1050(L) x 450(W) x 220(H) mm	Weight	600kg

Applications

Bottles, tins and boxes in multi-row. It can be connected and work with auto labelling machine.



Specifications on all machines can be changed upon request.

AUTOMATIC SIDE SEALING AND SHRINKING MACHINE (with HMI)



IET-GB-600

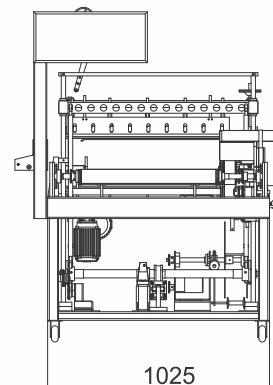
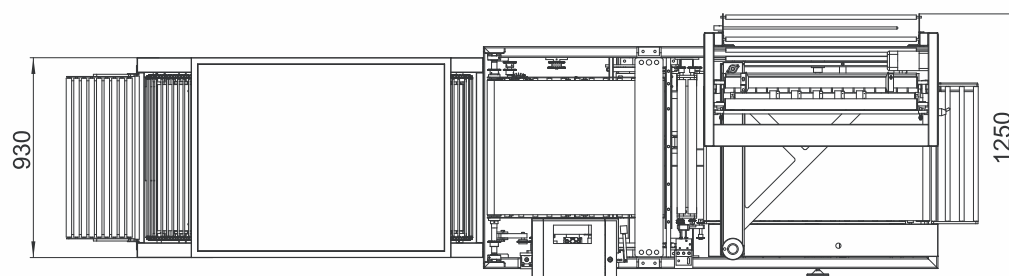
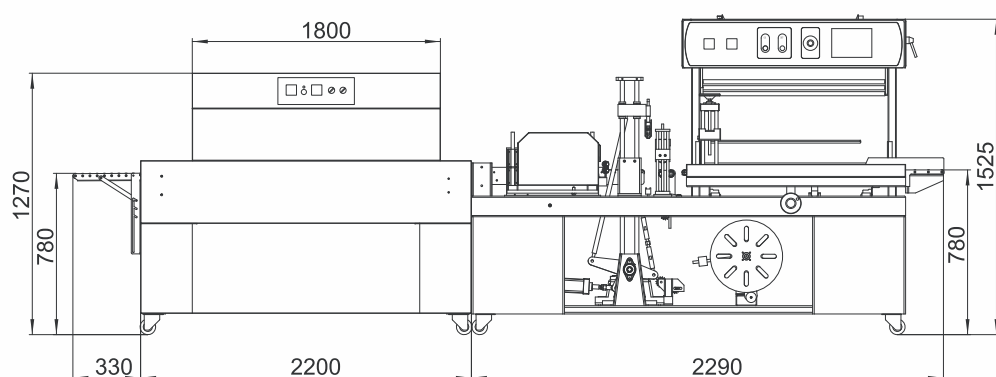


Technical data IET-GB-600

Sealing type	Side sealing	Power consumption	11.5 kW
Power supply	415V/50-60Hz/3phase	Tunnel conveyor speed	Variable
Sealing height	≤250 mm	Tunnel conveyor	Chains with rotating silicon coated rods
Sealing width	≤600 mm	Working height	750-820 mm
Product size	≤650 mm (width), ≤650 mm (height)	Air pressure	≤0.5MPa (5 bar)
Product length	Infinite	Sealing system	Permanently heated seal bar coated with Teflon
Packing capacity	Depens on product length	Operating interface	Display operation guidance and error diagnostic
Film type	Center-folded polyolefin (POF, PE) film	Machine material	Carbon steel or stainless steel
Max film size	860mm (width) x 280mm (outer diameter)	Weight	900kg

Applications

Longer products such as flooring boards, windows,etc.



Specifications on all machines can be changed upon request.

AUTOMATIC HIGH SPEED FLOW SHRINK WRAPPING MACHINE



IET-FS-590

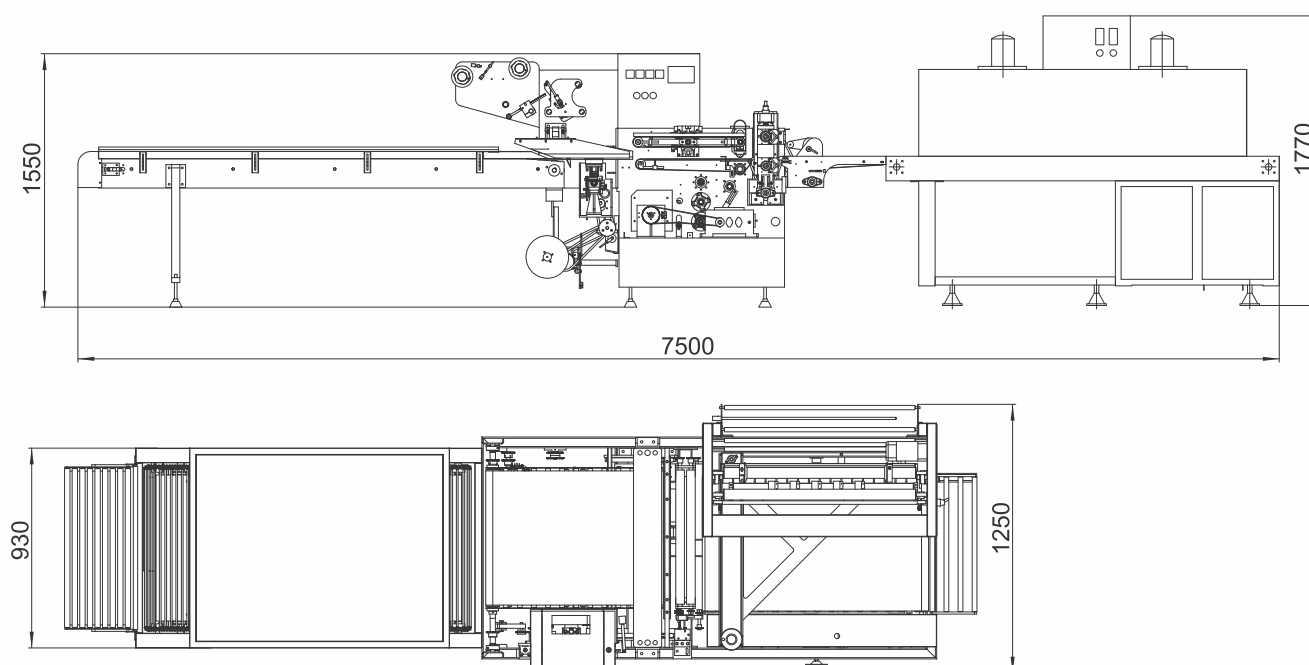


Technical data IET-FS-590

Power supply	220V/50Hz, 415V/50Hz
Max power consumption	Sealer: 3.6kw,(shrink tunnel): 16.5kw
Capacity	30-150 packs/minute
Film width	Max. 590mm
Packing material	Single layer POF film
Product size	Length: 120-530mm, Width: 30-200mm, Height: 50-120mm
Machine dimension	Sealer: 5000 x 1105 x 1750mm, Shrink Tunnel: 2500mm x 600 x 1700mm
Weight	Sealer: 1000kg, Shrink Tunnel: 600kg
Machine material	Carbon steel or stainless steel

Applications

Instant noodle cup or bowl, milk cup, carton, wallpaper rolls, cosmetic bottle, filter, etc.

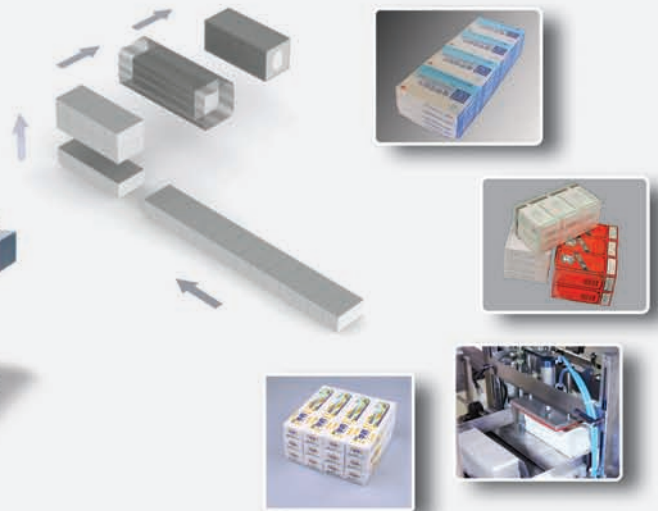


Specifications on all machines can be changed upon request.

AUTOMATIC SLEEVE SEALING & SHRINK PACKING MACHINE (SUPERPOSE TYPE)



IET-BMD - 600B

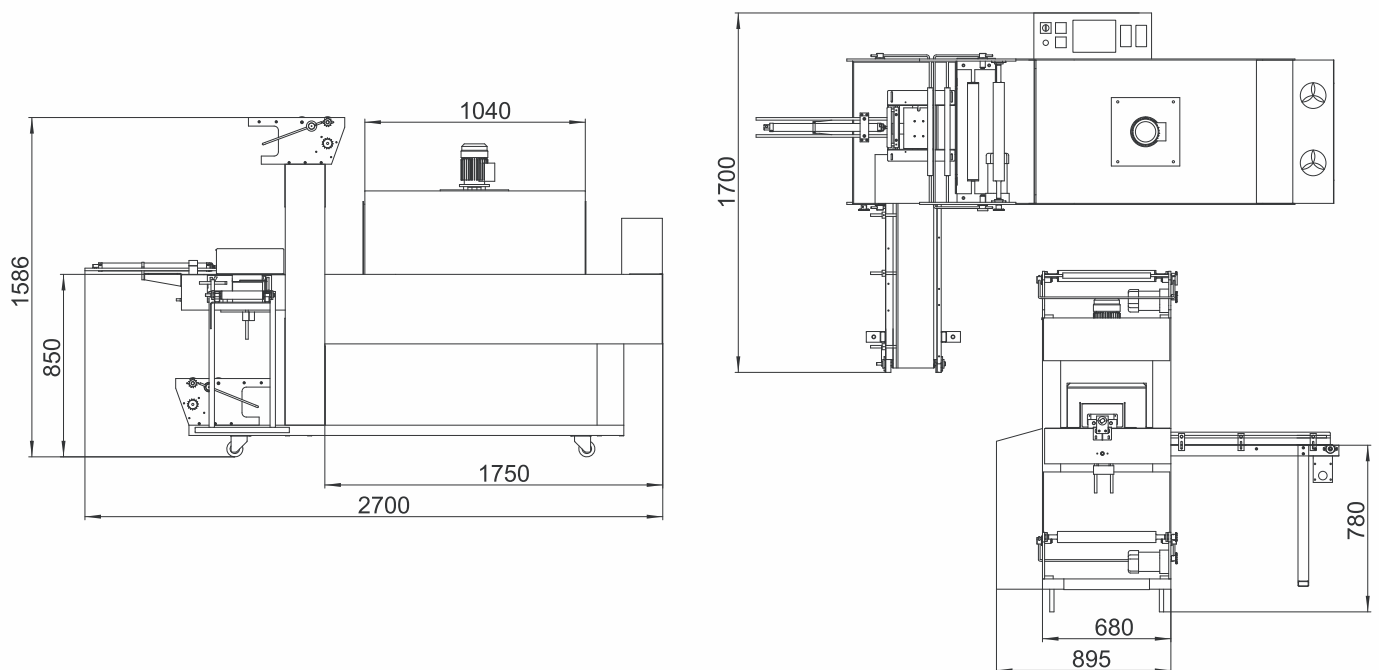


Technical data IET-BMD - 600B

Sealing type	Sleeve sealing	Tunnel conveyor speed	Variable
Power supply	415V/50-60Hz/3phase	Tunnel conveyor	Steel mesh conveyor
Max product size	320(L) x 180(W) x 160(H) mm	Working height	850-900 mm
Max Packing capacity	8-18 packs per minute	Air pressure	≤0.5MPa (5 bar)
Film type	Polyethylene (PE) film	Sealing system	Permanently heated seal bar coated with Teflon
Max film size	380(width) x 280mm (outer diameter)	Operating interface	Display operation guidance and error diagnostic
Power consumption	8 kw	Machine material	Carbon steel or stainless steel
Tunnel oven size	Entrance 1050(L) x 450(W) x 220(H) mm	Weight	650kg

Applications

Auto stack and shrink pack boxes in multi-row and multi-layer such as medicine boxes, cosmetic boxes, toothpaste boxes, stationary boxes. It can be connected and work with cartoning machine.



Specifications on all machines can be changed upon request.

BODY SLEEVE APPLICATOR

IET-100



Technical data IET-100

Sealing type	Body sleeve
Power supply	3 PHASE - 415V, Single Phase - 220V, 50/60HZ
Capacity	100 BPM
Main Motor	.8 KW
Bottle Diameter	25mm to 155mm

Label Length	30mm to 300mm
Label Material	PVC, PET, OPS
Label Thickness	0.04mm to 0.08mm.
Machine dimension	1800X840X2030mm



IET-D250

Technical data IET-D250

Power	3 PHASE - 415V, Single Phase - 220V, 50/60HZ,
Capacity	250 BPM
Main Motor	3KW
Bottle Diameter	28mm` 125mm
Label Length	30MM` 250MM
Label Thickness	0.03MM 0.13MM
Machine dimension	3200X1200X2080mm

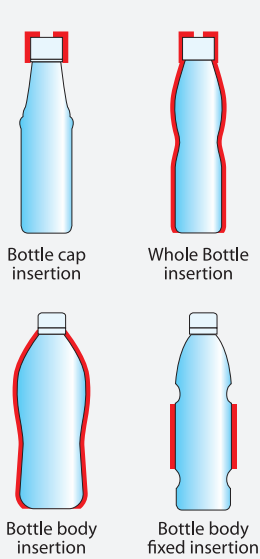
Applications

Applies to the casting label and sealing of bottles with various shapes and suitable for larger bottle-type (3-5 liters barrel containers).

PILFER-PROOF BODY SLEEVING for mono-carton



BODY SLEEVE APPLICATOR



IET-NF-150B

Technical data IET-NF-150B

Power	3 PHASE - 415V, Single Phase – 220V, 50/60HZ,	Label Length	30mm to 250mm
Capacity	150 Bottles / Min.	Label Material	PVC, PET, OPS
Main Motor	1.5KW	Label Thickness	0.03 mm to 0.13mm
Bottle Diameter	28mm to 125mm	Machine dimension	2100X850X2000mm

Technical data IET-50P

Power	3 PHASE - 415V, Single Phase – 220V, 50/60HZ,
Capacity	250 BPM
Main Motor	2.5KW
Bottle Suitable	3-5 gallon cap sealing label machine
Label Length	40MM to 160MM
Label Thickness	0.03MM to 0.13MM
Label Material	PVC, PET, OPS
Machine dimension	1700x900x2000mm

Applications

3 to 5 gallon bottles, connected and work with auto labelling machine.



IET-50P



Performance and Versatility

IKRISH Shrink Film are multilayer, high-performance cross linked polyolefin shrink film, that is easy to handle and cost effective to use. We have complete range of Polyolefin Shrink Film to provide unmatched durability to packed products with different applications.

Features and Benefits

- Superior strength and integrity compared to thicker, non-cross-linked competitive films; perfect for a wide range of today's consumer products.
- Very user-friendly and easy to use.
- Provides transparent clarity, gloss and sparkle; enhances product appearance.
- Superior sealability on a wide range of thermal, trim and electrostatic sealing systems; runs exceptionally well on Opti Shrink Packaging Systems.
- Increases productivity, reduce wastage & requires fewer roll changeovers.
- Increases self life & value addition to product.
- Ideally suited for all types of consumer products for all industries segments like Pharmaceuticals, Cosmetics, Food & Confectionery, Electrical & Electronics, Automobiles and Engineering etc.

PROPERTIES TABLE OF POLYOLEFIN SHRINK FILM

Thickness	Micron		12	15	19	25
YIELD	m ² /KG		91	72.8	57.4	43.7
Flat Film Length	feet		10,940	8,740	7,000	5,250
Folded Film Length	meters		1,660	1,332	1,067	800
Folded Film Width	inches		5 to 30	5 to 30	5 to 30	5 to 30
Inner Diameter	inches		3	3	3	3
Tensile Properties			MD-TD	MD-TD	MD-TD	MD-TD
Tensile Strength	N/mm ²	D-883	125-120	120-100	100-120	110-110
Elongation	%	D-884	105-100	105-100	110-105	110-120
Seal Strength	N/mm ²	int. Method	40	40	39	39
Tear Propagation	gr	D-1922	6.5	10	14.5	17
Cof. Film to Film Kinetic		D-1894	0.23	0.21	0.21	0.21
Shrinkage			MD-TD	MD-TD	MD-TD	MD-TD
Shrink at 120°cc	%	D-2732	52-54	52-53	52-53	51-52
Shrink at 130°cc	%	D-2732	64-67	63-66	62-65	61-64
Haze	%	D-1003	1.4	1.7	2.1	2.3
Gloss	photoc.	D-2457	125	125	125	120

MD - Longitudinal Direction
TD - Transverse Direction

APART THE ABOVE PROPERTIES IKRISH FILM IS APPROVED BY FOOD GRADING SYSTEM (SGS) ALSO

This information represents our best judgement based on work done, but the company assumes no liability whatever in connection with use of information or findings contained herein.

IKRISH Shrink Films are Biaxial - Oriented Polyolefins that offer the perfect blend of strength and value.

ENGINEERS TO THE HEALTHCARE INDUSTRY

OUR PRESENCE

INDIA



OVERSEAS



Advantages of Shrink Wrapping:

- Total protection from rain, dust, Moisture etc
- Neat and presentable with sales appeal
- Instant identification with transparent packing
- Much faster mode of packaging
- Hygienic and prolong shelf life
- Less wastage due to variable sizes of film

Applications of Shrink Wrapping:

- Stationery • Pharmaceuticals • Cosmetics
- Automobile Parts • Food & vegetables
- Confectionery • Computer Accessories • DVD's & Cd's
- Gift Items • Toys & Games • Frozen Foods
- Multipacks



PROFILE OF THE COMPANY

FACILITIES

The success story of the company can be largely attributed to its continuous efforts in upgrading technologies. Today, the company offers state-of-art standard models. G.M.P. models with the options for Fully Automatic PLC Controls for various Process & Packaging Equipments, designed to suit a specific and process as required by the Client's product.

We have experienced and skilled personnel to develop and manufacture quality machinery in our well-organized factory at Mumbai & Gujrat (INDIA). We design and fabricate various equipment to overcome difficulties and problems encountered by chemical, pharmaceutical and engineering industry. At INTERTECH the efficient academically qualified team spares no stone unturned, to be the best in custom built engineering by combining State-of-the-Art design and technology.

QUALITY

The company is committed to ensure that no trouble being spared to see that every user is satisfied with his equipment. The company has in-house Quality control unit equipped with latest testing facilities & manned by highly technical and skilled work force to ensure strict quality control. Quality of our product is compatible to international standards. The Company offers a wide range of models of various capacities which suit a specific end use i.e. Lab Models, Pilot Plant Models and Batch Size Production Models of various capabilities.

SERVICES

(A) Project Management

Skillful & experienced management is vital for the success of any project. Our project teams provide total capability for project of any size. Each team brings together experts from many fields.

Project management services include:

- Planning & Scheduling
- Procurement & contract strategy
- Design management & Cost control
- Schedule control, Reporting & related aspects

(B) Design

We have resources to provide traditional design services as well as specialized capabilities in leading edge technologies. We also design the progresses, crucial to getting your products to the market and improving your operations. From production processes and technology implementation to process control and advanced systems.

Our design services include:

- Detailed Engineering
- Process Engineering
- Chemical Engineering
- Electrical Engineering
- Mechanical Engineering & related aspects

(C) Utility Management

We have experienced personnel in the process, utility management, project management energy conservation study, cost control techniques. These project management tools, along with our experience and facility of pilot plant study ensure a practically zero defect system in all undertakings that we do.

Utility management services include:

- Constructability studies & Sites supervision
- Safety and security & Materials control
- Quality control, Cost control & related aspects

(D) Commissioning & Validation

We help you minimize the amount of time it takes to get your facility fully operational, with testing, validation and start up services to assist you in commissioning your plan. Once your facility is up and running, we can help you with continuing services that encompass preventing maintenance plant upgrades, and line change-outs, in order to minimize downtime and maximize production facility:

Commissioning & Validation services include:

- Validation master planning & validation protocols
- Installation qualification & operational qualification
- Process qualification, mechanical completion & related aspects

(E) Validation & Reports

INTERTECH considers validation very important requirements for both the client and us, as this is the only system available for ensuring constant improvements and modernization in the processes.

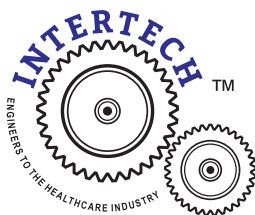
Our validation services comprise a multi disciplined team of engineers. We provide validation and GMP compliance services to the bulk and secondary pharmaceutical and medical device industries.

We offer a comprehensive range of validation services:

- Validation master plans (VMP)
- Computer system validation
- GMP training for project engineering disciplines
- GMP material & personnel flows

CLIENTS

The products are of proven performance and can be seen in use in Small Scale Industries, Top Leading Indian Companies and Multinationals. Our products are also exported to various African, Gulf, European countries both directly & also through third party exports. Our clients are dispersed in Maharashtra, west Bengal, tamilnadu, Andhra Pradesh, Haryana, Himachal Pradesh, Orissa, North East and many Union Territories in India.



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