



TECH-MAC AUTOMATION

TECH-MAC AUTOMATION” That Delivers The Best Affordable Secondary Packaging Solutions Across The Globe. Secondary Packaging Is An Excellent Way To Reinforce Your Brand And Enhance Product Visibility In A Crowded Market place.

We are a leading Indian Manufacturer & Supplier of Primary & Secondary Packaging Materials as:

- Complete Range Of Packaging Machines And Conveyor Systems
- Strapping Machine
- Wrapping Films
- Stretch Wrapping Machine & Pallet Wrapping Machine
- Shrink Wrap Machine
- Taping Machines
- PP & PET Strap
- Stretch Wrapping Films And Shrink-Wrapping Films

10 years of experience made us capable of offering customized proposals, professional staff, technical assistance and competitiveness.

We offer complete custom end-of-line packaging machines and packaging solutions through PET and PP straps. We deal in various machines & their spares. Our machines and services can help you to save up to 80% in maintenance assistance.



Assured Quality

World-Class Quality Proven to Return World-Class Profits



Product Group

1. Endline Packaging
2. Cargo Securing Systems



Vision

To Create Win Win Situation For Better Tomorrow.



After Sales Service



World-Class Certified Products



Customised Solutions



Value for Money



Ready Availability



Supportive Staff

PRODUCT RANGE

STRAPPING MACHINES

Semi Automatic Strapping Machines
Automatic Strapping Machines
Online Strapping Systems

CARTON SEALING MACHINES

Standard Carton Sealing Machine
Random Carton Sealing Machine
Top Flap Folding Machine
Edge Sealing Machine

STRETCH WRAPPING MACHINES

Pallet Stretch Wrapping Machine
Box Stretch Wrapping Machine
Orbital Wrapping Machine

CASE ERECTOR

Standard Case Erector

ONLINE PACKAGING SYSTEMS

STRAPPING TOOLS

Battery Power Tools
(PP/PET/Composite)
Pneumatic Strapping Tools
(PP/PET/Composite)
Manual Strapping Tools

SHRINK WRAPPING MACHINES AND AUTOMATIC WEB SEALER

CONSUMABLES

PP Strap
PET Strap
Stretch Film

STRAPPING MACHINES

SEMI AUTOMATIC



TMA 2

(New Generation
Strapping Technology)



Strapping Mechanism



Control Panel

Power	1 Phase, 230 volt DC motor
Strap Width	5mm-15 mm (Adjustable)
Strapping Tension	0-45 kg max
Strapping Speed	2sec /Strap -3 sec/strap (Adjustable)
Box Size	Min. 60 mm, Max – Any Size
Top Thickness	1 mm stainless steel
Box weight capacity	Max 40 kg
Machine Size	75 kg net
Machine Weight	L 750 X W 550 X H 750 mm
Application	a) Corrugation industry ,Box packaging b) Paper industry c) Light application d) Bulk production



KH-90

Power	1 Phase, 230 volt AC motor
Strap Width	9, 12, 15 mm (Adjustable)
Strapping Tension	5-50 kgs (Vairable)
Strapping Speed	2.5 sec. /Strap
Box Size	Min. 60 mm, Max – Any Size
Top Thickness	1.2 mm Thickness (Stainless Steel)
Box capacity weight	Max 40 kg
Machine Size	90 kg net
Machine Weight	L 895 X W 565 X H 735 mm
Application	a) Light boxes to medium boxes b) Boxes, Metal Products, Light wooden crates, Plastic crates

STRAPPING MACHINES

AUTOMATIC

01



TMA 101A

Power	3P 380V 50/60HZ 750W 5A
Packing speed	1.8 second per cycle
Table height	750 mm
Arch size	Width 850 mm, Height 600 mm
Applicable strap	Width (9-15 mm), Thickness (0.55-1.2) mm
Weight	220 kg



Single cam sensor
based technology



Control panel

02



Top press TMA 101A TP

03



Top press TMA 104A

Additional motor on long
arch to increase strapping
efficiency

Features

01

- a) Automatic Strapping
- b) Rollers for easy moment of boxes
- c) Auto-Cutting
- d) Maintenance Free Mechanism
- e) New design enables easy replacement of parts

02

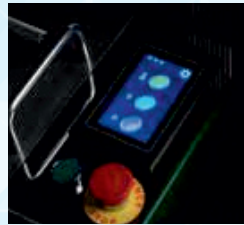
- a) Air pressure 5-6 Bar
- b) Used for packaging bulk goods which need compression before packaging Applicable for textile industry, corrugation industry High speed, strapping to increase efficiency Control panel for Easy selection of operation
- c) Plc control for accuracy

03

Used for goods with extra width, applicable for Corrugation, Door, furniture, glass, metal industry etc.



TMA 101E

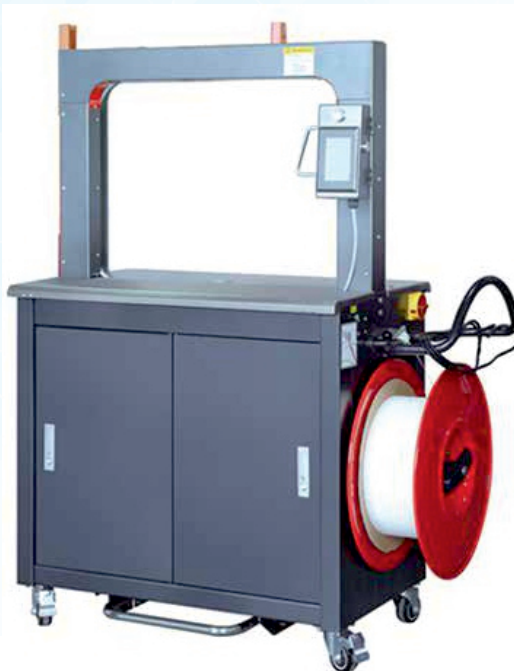


HMI Based Control Panel



Strapping Mechanism

Power	1 Phase, 220 V, DC motor
Strap Width	9/12 mm
Strapping Tension	0-50 Kg (Adjustable)
Strapping Speed	2.00 sec/strap, 28-30 path/cycle
Box Size	L(200- ∞) W(≤750) H(≤500)mm
Top Thickness	3 mm Stainless Steel
Box Weight capacity	80 Kg max
Machine Size Machine weight Arch	L1380 X W620 X H1450 mm NW-142 Kg 1. Standard Size: Width 800 mm X Height 600 mm. Material: aluminium alloy
Features	Touch Screen Control PCB Control System Electronic Tension With Emergency Stop Switch Auto Malfunction Detection System Strap counter



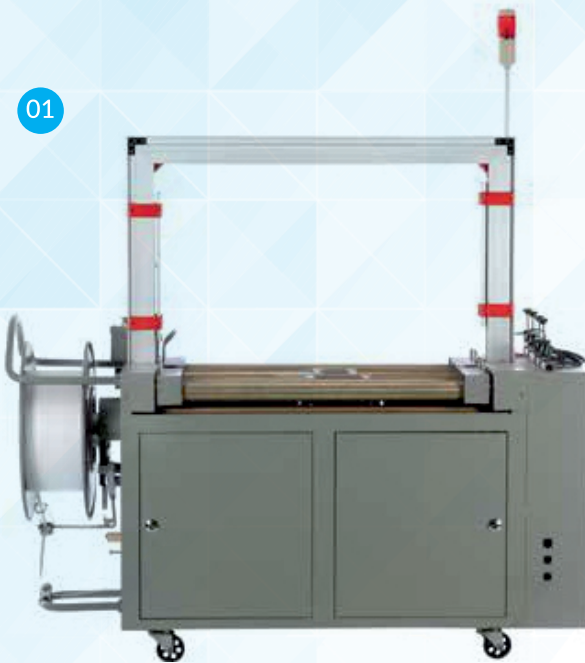
TMA-500HS
(High Speed)

Power supply	1Phase/220v/50-60HZ/600W,4A
Packaging speed	65 strap per minute (Depending upon width of strap)
Tension Range	0-40 kg
Arch size	W-650 , H-500 mm (Customisation Available)
Working table height	850 mm
Applicable PP strap	5 mm, 6 mm, 9 mm, 12 mm (To be specified) Thickness(0.5-08)mm
Control system	PC board control
Carton range	L (150 mm - ∞), W (200 mm - 600), H (460 mm - ∞)
NW	185 kg
Features	Auto reset Auto strap feeding Applicable for High speed production, Corrugation industry, Publication houses, food industry, automobile industry

STRAPPING MACHINES

ONLINE STRAPPING SYSTEM

01



TMA 102A

Power	3 Phase, 440 V ,AC motor
Strap Width	9, 12, 15 mm
Strapping Tension	0-70 Kg (Adjustable)
Strapping Speed	2.4 sec/strap
Box Size	L (200- ∞) W(≤750)H(≤500) mm
Top Thickness	3 mm Stainless Steel
Box Weight capacity	100 Kg max
Machine Size Machine weight Arch	L1580×W620×H1420mm NW-280 Kg 1. Standard Size: Width 800mm X Height 600mm (inner size) 2. Material: aluminium alloy frame (customization available)



Single cam operation



Photo electric sensors



Chrome plated rollers



Control panel

Features

PLC control, stable performance Automatic detection, automatic packaging, automatic transmission, high efficiency work. It can be used alone or be connected with unmanned packing line

Power Rollers chrome Plated

Auto Strap Feeding

Auto reset in case of strap blockage

Electronic configuration:

PLC Control: "Siemens" PLC

Contactor: French "Schneider"

Button: French "TE"

Relay: French "Schneider"

Motor: Chinese "MEIWA"

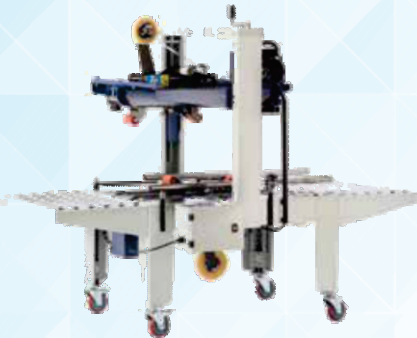
Sensor Switch & Proximity Switch German "P+F"



TMA 101A+FJ1D

(Combination Tapping
Strapping Machine)

Power Supply	1P 110V/220V 50Hz/60Hz 400W
Machine Dimensions	L970mm×W890mm×H (Table height+750mm)
Machine Weight	190 Kg
Table Height	530mm~750mm (adjustable)
Convey Speed	19M/min
Carton Dimensions	L(150~∞)mm, W(180mm~600)mm, H(120~480)mm
Adhesive tape specification 48~72mm	
Adhesive tape material	Kraft paper, or, BOPP
Features	Auto cut off (optional) Box counter for counting number of boxes packed Automatic sealing of tape Manual adjustment of height and width Manual folding of carton flaps Applicable for batch production



TMA FJ-1D

Power supply	1P 110V/220V 50Hz/60Hz 400W
Machine dimensions	L970mm×W890mm×H(table height+750mm)
Machine weight	190 Kg
Table height	530mm~750mm (adjustable)
Convey speed	19M/min
Carton dimensions	L (150~∞) mm, W (180mm~600) mm, H (120~480) mm
Adhesive tape spec	48~72mm
Adhesive tape material	Kraft paper, or, BOPP
Features	Manual folding of carton flaps Applicable for batch production



TMA SQ450+TMA 305RP

(Corrugated Bundle Squaring
and Strapping Systems)

Model PR SQ450	
Power Supply	380v 50/60HZ, 3PH 1.0Kw 4A
Air Pressure	0.6MPa
Transport Speed	15 packages/min
Table Height	850 mm
Weight Capacity	80 kg
Applicable Package Size	L(250-1100), W(320-1200), H(0-450)
Machine Dimension	L-1900, W-2050, H-1470

Model PR 305RP	
Power Supply	220 V 50/60HZ 1 PH 2.4KW 12 A
Packaging Speed	16 Package/minute
Table Height	<920 mm
Weight Capacity	80 kgs
Arch	Standard size W1250 x H 500
Applicable PP Strap	6, 9, 12 mm (To be specified)
Packaging Type	Parallel - 1-2 strap optional
Machine Dimensions	L-2040, W-1190, H-2100

CARTON SEALING MACHINES

STANDARD CARTON SEALING MACHINE



TMA FJ-2

(Random Carton Sealing Machine)

Power supply	1P 110V/220V 50Hz/60Hz 400W, Ac Motor
Machine dimensions	L 1154 mm x W 1000 mm x H (table height + 840 mm)
Machine weight	240 kg
Table height	530mm~750mm (adjustable)
Convey speed	19M/min
Carton dimensions	L(150- ∞ mm) W(120-480 mm) H(120-450 mm)
Adhesive tape spec	48~72mm
Adhesive tape material	Kraft paper,or,BOPP
Air Pressure	5 kgf/cm ²
Features	Automatic adjustment for different carton width & height Applicable for variable production



TMA FJ-3

(Flap Folding Carton Sealing Machine)

Power supply	1P 110V/220V 50Hz/60Hz 400W
Machine dimensions	L 1650 mm x W 980 mm x H (Table height + 890 mm)
Machine weight	300 Kg
Table height	550mm~750mm (adjustable)
Convey speed	19M/min
Carton dimensions	L (200-550) mm, W (150-480) mm, H (120-480) mm
Adhesive tape spec	48~72mm
Adhesive tape material	Kraft paper,or,BOPP
Air Pressure	4-6 kg F/cm
Features	Automatically folds carton top flaps Manual adjustment for different carton width and height Applicable for batch production



TMA FJ-P1 EDGE

(Edge Carton Sealing Machine)

Power supply	1P 110v/220v 50hz/60hz 1000w (5 Motors)
Machine dimensions	L 2200 mm, W 1240 mm, H 800 mm
Machine weight	500 kg
Convey speed	20 meter/ min
Carton dimensions	L (200-500) mm, W (350-700) mm , H (200-500) mm
Adhesive tape spec	48 mm /72 mm
Adhesive tape material	Kraft paper Bopp tape
Air pressure	5 kg f/cm ²
Air consumption	11l/min
Features	Automatically sealing of all 4 corners Manual adjustment of height and width Applicable for standard production

STRETCH WRAPPING MACHINES

PALLET STRETCH WRAPPING MACHINES

01



TMA-FG 2000A/B/BW

Power supply	1p, Ac220v, 50hz,1kw
Rotation speed	0-11 r/min (Option)
Film-stretching unit	Mechanical stretch (Optional) Power pre stretch (Optional)
Turntable capacity	2 ton
Turntable diameter	1500 mm (Customisation available)
Wrapping height	2100 mm (Customisation available)
Tower height	2400 mm
Machine weight	650 kg

02



TMA FG 2000B

03



TMA FG 2000BW

Features

01

- a) Stretch ability up to 150%
- b) Mechanical stretch carriage
- c) Control panel for setting wrap cycles
- d) Auto Height sensor for detecting pallet height

02

- a) Stretch ability up to 300%
- b) Pre/Stretch carriage / Mechanical stretch carriage
- c) Control panel for setting wrap cycles
- d) Auto Height sensor for detecting pallet height

03

- a) W type turn table for easy loading of pallet

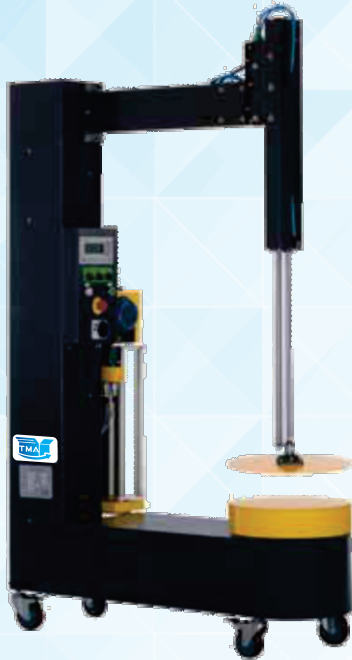


Pre-Stretch carriage



Control panel

BOX STRETCH WRAPPING MACHINE



TMA FG 800B

Power Supply	1P 220V 50Hz
Column Height	1250 mm
Turn Table Dia	400 mm
Speed of Turn Table	0-20r/min
Air Pressure	0.4 - 0.6 MPa
Weight Capacity	80 Kgs
Machine Dimension	L 1150 X W 400 X 1400 mm
Machine Weight	110 Kgs
Feature	Stretch ability upto 300% Pre stretch carriage



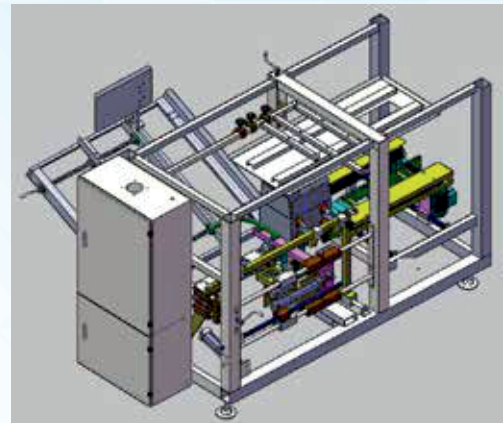
TMA OB 600D
(Orbital Wrapping Machine)

Speed	5~30 RPM
Transfer method	Friction wheel
Max. Film width	250mm(10")
Max. Diameter of film	250 mm
Table height	680 mm(+ 50mm)
Film tension adjustment	Friction method (manually adjustable)
Clipping and cutting device	Pressure clipping, knife cutting
Packaging ability (Round package)	Min.diameter 250mm Max. diameter 700mm
Packaging ability (Rectangular package)	Min. width 250 mm Max. width 900 mm Max.diagonal 950 mm
Stretch ability	250%
Machine size	1984x1867x2659 mm
Application	Furniture packaging Steel tubes, Pipe Products with big length Aluminium Bars

CASE ERECTOR

STANDARD CASE ERECTOR

01



TMA 20TX

Power supply	220v 50HZ
Air pressure	6kg/cm2
Tape width	48-60 mm
Working speed	0-12 cases/min
Case size	L 330-530 W 165-310 (Base carton size must be suitable as below: $650 > w/2 + H > 280$ L change scope 150 mm)
Machine weight	400 kg
Environment conditions	Temperature - 0-40 degree, Humidity < 98%
Box Quality	Minimum 5 ply

Features

01

- a) Alarm when lack tape or case
- b) Bottom sealing
- c) Fast operation
- d) Easy maintenance

Sealing Sequence



STRAPPING TOOLS

BATTERY POWER TOOLS



ZP-93/97

Strap Width	12-19 mm
Thickness	0.65-1.2
Strap Application	PP/PET
Motor	Brushless 24vdc motor technology
Tension range	2500N(250 kg)
Battery	Bosch 18v
Tool weight	3.4 kg



ZP226C/9C

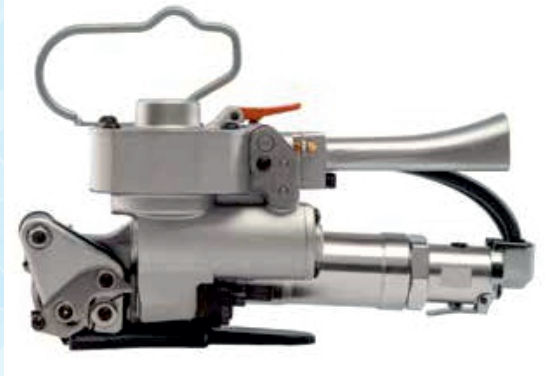
Strap Width	12-19 MM
Thickness	0.65-1.27
Strap Application	PP/PET
Motor	Brushless 24vdc motor technology
Tension range	2500N (250 kg)
Battery	Li-lion
Tool weight	3.6 kgs



ZP-CT 32A
(Composite/Woven Strap)

Strap Width	19-32 mm
Thickness	0.85-1.65 mm
Strap Application	Composite strap/Lashing strap/woven belts
Tension range	300-800 DAN
Battery	Bosch 18V
Tension adjustment	ECB
Motor	Brushless 24vdc Motor

PNEUMATIC STRAPPING TOOLS (PP/PET)



AQD 19/25

Strap Width	12-19 /25 mm
Thickness	0.65-1.27
Tension range	2500N (250 kg)
Air Pressure	0.5-0.7 MPA
Strap Application	PP/PET strap
Machine Weight	3.5 kg
	Push cutting technology Tension, cutting and sealing all in one



HD AQD



Strap Width	12-19 /25 mm
Thickness	0.65-1.27 mm
Tension range	3000 kg (300 kg)
Air Pressure	0.5-0.7 MPA
Strap Application	PP/PET Strap
Machine Weight	3.8 kg
	Friction cutting technology Tension, cutting and sealing all in one



PR-CS 32

(Composite/Woven Strap)

Strap Width	19-40 mm
Thickness	0.79-1.27 mm
Tension range	8500 N (850 kg)
Air Pressure	4-5 Bar
Strapping speed - 5m/min	5 m/min
Tool Weight	5 kg

SHRINK WRAPPING MACHINES

SHRINK TUNNELS



MODEL : 4525

- Adopts hot air with down cyclone pressure structure.
- Intelligent temperature control and AC variable speed regulator.
- Both the height of tunnel and shutters on two sides are adjustable.
- Adopts single/double hot air blower.
- Can be used with heat shrinkable film such as PVC, POF, P.E. etc,
- OPTIONAL : Teflon Belt conveyor for small products is available.

Specifications

Model	Voltage	Power	Conveyor Loading	Heating Chamber Size (mm)	Speed (m/min)	Net Wt(kg)	Dimension (LXWXH)(mm)
2615	220V	3.5 KW	10 KG	L260xH150	0-6	35	1200x540x660
4525	220V/380V	6.5KW	15KG	900x450x(50-250)	0-10	75	1200x610x1240
4535L	380V-3PH	9.6KW	30KG	1200x450x(50-350)	0-10	120	1600x610x1340
6535L	380V3PH	9.6KW	30KG	1200x650x(50-350)	0-10	150	1600x850x1200
5540M-PE	380V3PH	21KW	40KG	1400x550x400	0-10	280	2470x710x1450



MODEL : SC1520

SHRINK CHAMBER

- One operation
- Uses soft POF film
- Low energy consumption
- Wraps single and multipacks
- Visual observation possible
- Easy to work with one operator

Specifications

Max Packing Dimension (LxWxH)(mm)	450x300x250
Running Load(kw/hr)	1.9 kw
Power Consumption	3.5 kw
Power Supply	AC 220V/50HZ
Dimensions(LxWxH)(mm)	1895x720x1080mm
Net Weight(kg)	110kg

L SEALERS

MANUAL L SEALER



MODEL : LS1520

- Can wrap the products for shrink packaging after sealing & cutting.
- Sealing and Cutting time can be controlled by time relay accurately

Specifications

Max Packing Dimension (LxWxH)(mm)	450x400x250
Max Sealing Dimension(mm)	500x450
Power Consumption(KW)	1.0
Power Supply	AC 220V/50HZ
Dimensions(LxWxH)(mm)	1560x700x1100
Net Weight(kg)	60 Approx

SEMI AUTO L SEALER



MODEL : 5045L

- Conveys products automatically into shrink tunnel.
- Upper sealing and cutting frame is Lowered Manually by operator.
- Post sealing conveyor feeds product into tunnel.

Specifications

Max Packing Size (LxWxH)(mm)	450x400x300
Speed	800-1200
Power Consumption(kw)	1.2
Power Supply	220v/50Hz 1 ph
Dimensions(LxWxH)(mm)	1560x757x1040mm
Net Weight(kg)	125

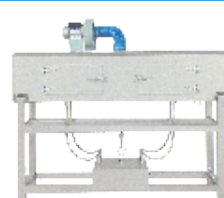
OTHER PRODUCTS



WEB SEALER



FULLY AUTO L SEALER



STEAM SHRINK TUNNEL



SHRINK GUN

BDX-2040 / BDE-2040-A

AUTOMATIC WEB SEALER AND SHRINK TUNNEL



SPECIFICATION

BDX-2040 (WEB SEALER)

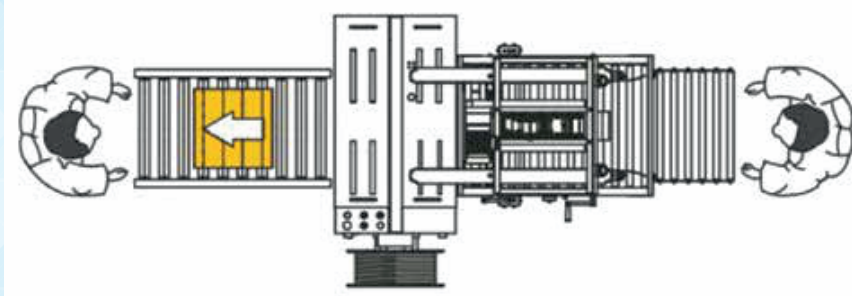
MODEL	BDX-2040
Voltage	240 V, 50-60 Hz
Power Supply	2.0 KW
Capacity	0-12 m/min
Max. Packing Dimension	$L \geq 120$, $W \leq 600$, $H \leq 420$ mm
Min.. Packing Dimension	120 x 120 x 80mm
Air Source Supply	0.6 Mpa
Width/thickness of the Film	Max. 1000 mm / 50 micron
Machine Size	1952 x 1155 x 1846 mm
Weight	320 KGS

BDE-2040-A (SHRINK TUNNEL)

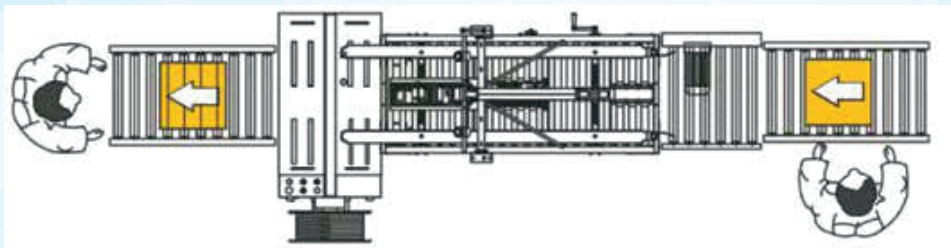
MODEL	BDE-2040-A
Power Supply	3 Phase, 220 V, 30-460 V, 50-60 Hz
Heater Power	20 KW (Adjuster)
Conveyor Speed	0-10 m/minute
Tunnel Size (L x W x H)	1500 x 500 x 460 mm
Conveyor Loading	30 KGS Max.
Machine Size (mm)	2500 x 820 x 1660
Machine Weight	470 KG
Shrink Film	PE, POP, PVC, PP

ONLINE PACKAGING SYSTEMS

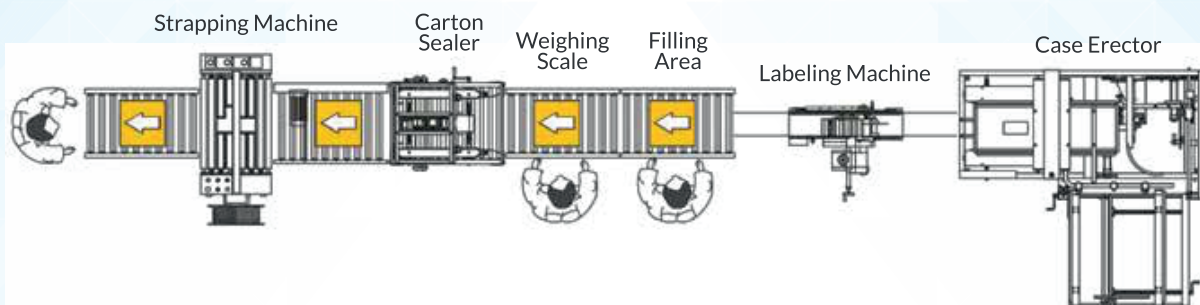
Solution I Sealing and Strapping Machine



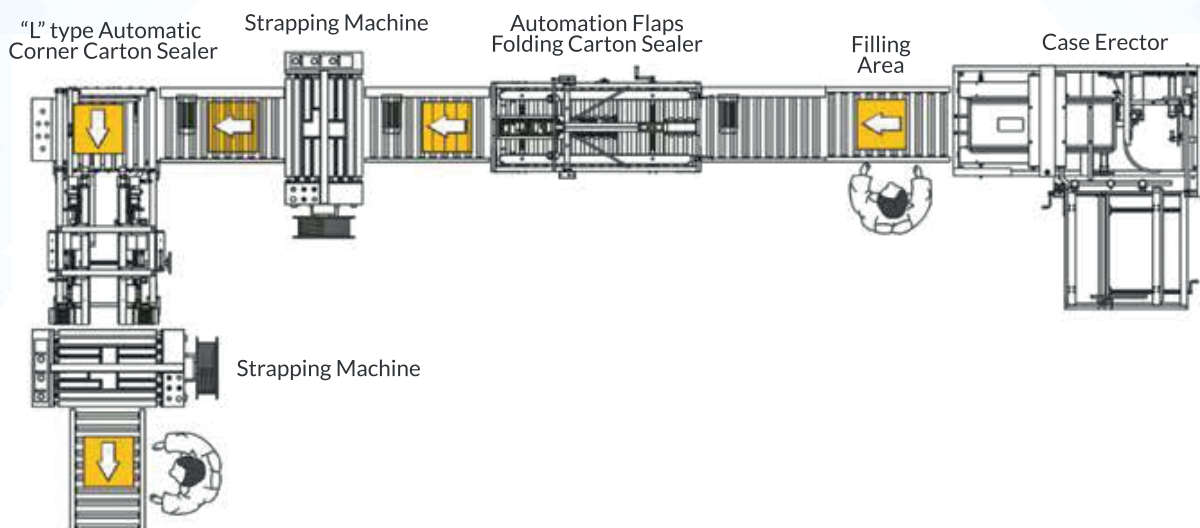
Solution II Automatic Flaps Folding Sealing and Strapping Machine



Solution III



Solution IV



CONSUMABLES

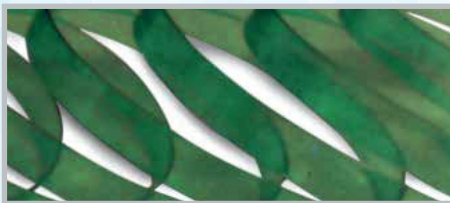
PET STRAP



Application

PET strap is substitute of steel strap, used for palletizing, packaging, bundling, etc. It is used with manual packing tool through clip sealing or battery operated sealing machine

Code	Size x Thickness (mm)	Break Strength
1160	11.00 x 0.60	2600 N
1260	12.00 x 0.60	2900 N
1570	15.00 x 0.70	4500 N
1580	15.00 x 0.80	5000 N
1980	19.00 x 0.80	6600 N



Specification

Elongation	9-12%	Surface Finish	Embossed / Plain
Elastic Returns	7%	Core Size	203 mm / 406 mm
Strap Color	Green*	Variation	0 to -7.5% in length

*other colors available

Customized printing & sizes available

PP STRAP



Polypropylene strap is produce from 100 % vargin PP granules for smooth & trouble free running on fully automatic machines

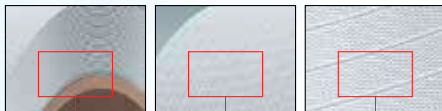
Code	Size x Thickness (mm)	Break Strength
960	09.00 x 0.60	80 KG
1260	12.00 x 0.60	110 KG
1560	15.00 x 0.60	130 KG

Specification

Elongation	Upto 25%	Surface Finish	Embossed
Elastic Returns	-	Core Size	203 mm ID/ 188 L mm
Strap Color	White*	Variation	0 to -7.5% in length

*other colors available

Customized printing & sizes available



Most precise winding
for hassle-free
operation

Gap free flat winding
for smooth flow

Embossed design for
better aesthetics and
slip-free operation



Stretch Film

Width	75 mm to 500 mm
Thickness	9 micron upto 30 micron

Tech-Mac Automation is the market leader in India for Industrial Automation and packaging Solution since 2010. We are the market leaders in Industrial Automation and packaging Solution Provider and this was possible because of our superior product quality and prompt and efficient after-sales service. Our products are designed to withstand the demanding of our customer.

Why Tech-Mac....?

- | | |
|---|---|
|  Professional Approach |  Focused on Client Satisfaction |
|  Customize Solutions |  Best Pricing in the Industry |
|  Offers Qualitative Products |  On Time Delivery |
|  Focused on After Sales Service |  Fabulous Review from Our Clients |
|  Transparent Business Dealing |  Good Product Knowledge |
| |  Process Oriented |

OUR VALUABLE CLIENTS





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