



UNIVERSAL BAG MAKERS

Available in 800, 1000 & 1200 mm widths



VALUE FOR TRUST



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*V*ersatility, modularity and flexibility to adopt changing market needs, High Productivity and long working life is what you get with **Mamata Universal Bag Makers**.

It is uniquely designed to have distinct advantage to our customers where change of jobs from Side Seal to Bottom Seal to Mix (Twin) Seal are very quick, and consistent without compromising on productivity. This gives true flexibility of operation to our customers with great consistency in out put quality and quantity.

In today's fast changing market needs, our **Universal Bag Makers** have become well accepted globally. Besides conventional PE/PP based structures, machine is capable to handle many complex structures. Credit goes to its unique sealing system. It does Mix (Twin) Seal weld with equal ease as side weld. Refer page 4 for more information on bags that can be made on our **Universal Bag Makers**.

Available in 3 different "**Usable**" Widths - 800, 1000 and 1200 mm.

All models give you a "**Cost to Output Ratio**" which is perhaps the best in the world today. If you are scouting for above qualities in your Bag Makers, your search ends here. Talk to us giving full details of your requirement.



Flexible
yet **Tough**

Motorized Autostacker



Unwinder with edge guide





1. Unique Seal Head System for Easy & fast change over for side seal, bottom seal & mix (twin) seal jobs.
2. Pneumatic Dancer for better web tension control.
3. Intelligent attachment platform - Automatically understand need of connected attachment. Easy mounting of attachments due to built-in pneumatics and electricals.
4. User Friendly Microprocessor operator console.

Options available for Unwinders

Servo Driven Unwind with Tension Control System



Servo Driven Unwind with Tension Control System & A-Frame



Stand alone top fold, bottom gusset



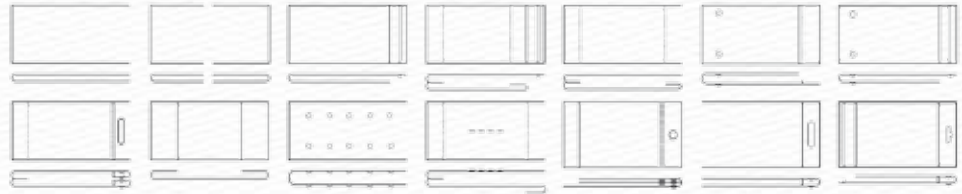


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Bags that can be made with the system add-ons..

Side Seal Bags



Applications : Garment Bags, Freezer Bags, Water Bags, Tissue Paper Roll Bags, Shopping Bgas, Boutique Bags, Vegetable Bags, Sanitary Bags, Sandwich Bags, Chicken Bags, Stationery Bags, Wicket Bags, Candle Bags, Mailing Envelopes and many more.....

Bottom Seal Bags



Applications : Trash Liner Bags, Garbage Bags, Industrial Packing Bags, Fertilizer Bags, Wood Shaving Bags, Petfood Bags, Resin Sacks, Agriculture Produce Bags, Shopping Bags, Baler Bags and many more....

Mix Seal Bags



Applications : Security Bags, Coin Bags, Airport Bags, Hospital Sample Bags, Banking Envelopes, Shopping Bags, Jewellery Bags and many more....

System for Garment Bags



Side Seal Bag with Adhesive Tape

Side Seal Bag with Gusset and Tape

Side Seal Bag with Inside Lip, Gusset & Tape

Side Seal Bag with Tape and Air Vent Holes

Side Seal Bag with outside Lip



Side Seal Bag with Fold Over Lip



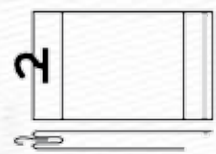
Side Seal Bag with Header Seal and Hole Punch



Side Seal Bag with Ultrasonic Header Seal, Header Sheet Insertion and Hole Punch



Side Seal Bag with Sheet insert, Ultrasonic Header Seal and Euro punch



Side Seal Bag with Moulded Handle Insert



Side Seal bag with V Cut

The market for such bags has shifted from conventional to value added bags. We at Mamata have developed capabilities on our bag machines to allow processors convert a wide variety of Bags and offer these new value addition. While few of the companies had shown tendency to move out of this market, most of existing players would like to be still in this markets on account of lucrative volume.

Attachments Offered :

- Hanger Seal Capability
- Moulded Handle insertion
- Tape Applicators
- String Zipper Capability
- Lip Formation
- Bottom Gussetor
- Film Folding Device
- "V" Cut Capability
- Euro Hole Punch
- Score Cut Punches
- Capsule Punch
- Ultrasonic Sealing for Header Seal

System for Shopping Bags

- Soft Loop Handle Bags
- Patch Handle Bags
- Die Cut Handle Bags
- Draw String Bags

Benefits to you :

- Adds another product in your Basket to fetch new business from the market.
- A modular system is offered to make Soft Loop Handle Bags, Patch Handle Bags, Die Cut Handle Bags and Draw String Bags in a single system or you can choose to have a dedicated system to take care of production requirement.
- You can buy attachments later date also to adopt processing capability in ever changing market.
- Selection available for 800 mm, 1000 mm and 1200 mm wide machines.



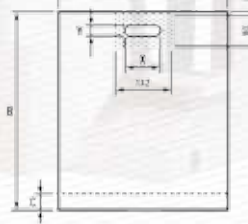
Dimensions for Patch Handle Bags :

Processing Parameters with Patch Handle Attachment							
	800		1000		1200		
	Min.	Max.	Min.	Max.	Min.	Max.	
A	220	700	220	700	220	700	
B	250	580	250	780	250	980	
C	25	120	25	120	25	120	
Mechanical Outputs		Vega 800 / Plus		Vega 1000 / Plus		Vega 1200 / Plus	
Patch Handle Bags #		90*		90*		90*	

* Mechanical Speeds. Actual output may vary depending on the type of Bag.

For capability of other side weld, bottom weld & mix weld bags please refer page no. 8.

Film Thicknesses (microns)		
Patch Handle Bags (Main Film)	Min.	Max.
LD / LLDPE	45	100
HM / HDPE	45	80
Patch Film		
LD / LLDPE	70	90
Width for Patch (mm)		142



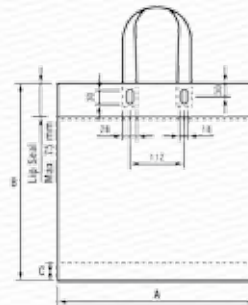
Dimensions for Soft Loop Handle Bags :

Processing Parameters with Soft Loop Handle Attachment							
	800		1000		1200		
	Min.	Max.	Min.	Max.	Min.	Max.	
A	250	750	250	750	250	750	
B	250	580	250	780	250	980	
C	25	120	25	120	25	120	
Mechanical Outputs		Vega 800 / Plus		Vega 1000 / Plus		Vega 1200 / Plus	
Soft Loop Bags #		100*		100*		100*	

* Mechanical Speeds. Actual output may vary depending on the type of Bag.

For capability of other side weld, bottom weld & mix weld bags please refer page no. 8.

Film Thicknesses (microns)		
Soft Loop Bags (Main Film)	Min.	Max.
LD / LLDPE	60	100
HDPE	50	80
Soft Loop Film		
LD / LLDPE	180	200
Size of Loop (mm) (L x W)		345 x 28





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Value Additions...

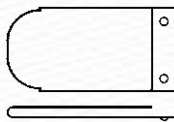


Zipper Attachment :

The attachment is designed to take care of growing demands of re-closable PE and PP Zipper bags. It is designed to work with a wide variety of String zippers and can work with both PE and PP Films. Using continuous sealing technique, we have made it very easy to use.

The unit is designed for applying zip on either the open or closed end of the bag.

It is placed at the back end of the machine between the Unwind and the bag machine where the film is in continuous motion path. All controls are at a convenient location for the operator. The attachment is designed to operate at line speeds of up to 50 meters (165 Feet) / Minute. For squeezing of zip at ends, we offer Ultrasonic Zip Squeezing system (in intermittent path).



Round Bottom Bag Attachment (Chicken / Minced meat Bags)

Available in two variants. Pneumatically actuated for cycle rates up to 120 per minute and servo driven for speeds up to 325 Cycles / Minute.

Either unit cuts and seals through two layers of PE / PP Films at high speed. Different profiles available on request.

It can be installed easily on Universal Bag Makers in intermittent path. Retract mechanism prevents "meltdown" of film during stop cycles.

Its' positive slug ejection system has continuous vacuum draw which takes slugs into a cavity, completely out with respect to film path.

Multi Purpose Sealing Attachments Type 1, 2 & 3

These are very uniquely configured attachments with true multi purpose functionality and processing speeds of up to 210 Cycles/minute. Available in Servo or pneumatic rotary actuator driven platforms, it can be used for a wide variety of bags just by changing sealing tools.

Type 1 is a module with options of 100 x 100 mm or 150 x 300 mm platens and can be used as pre sealer for reinforcing gusset/s, cross seal for side seal, square bottom (Mitre Gusset) and many more applications.

Type 2 is a module with 50 mm x Machine processing width platen or 100 mm x Machine Processing width platen. It can be used for applications like Twin seal, Pouch seal, Pre-seal, etc.

Type 3 This module offers Platen Seal Bars of 50 x 410 mm or 100 x 410 mm. This module is used for sealing in line of web in intermittent path. Up to two sealing stations can be supplied on one module. The module is used for applications for longitudinal seals, Flange zipper seals, Header seals, round shape seals for stand-up Pouches, K seals, etc. Applications are endless.....



Hygiene Bags :

A wide variety of Hygiene Bags are used in the market. Using Universal machine as a platform, Mamata can design a tailor made system to take care of your specific product range.

Diaper Bags :

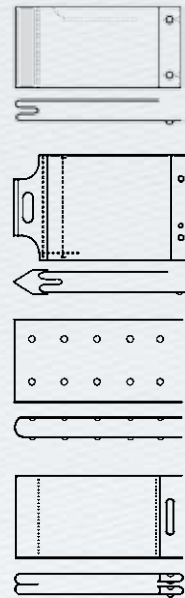
We offer complete solution on Universal Machine platform to make wide variety of Diaper Bags. For automated wicketed Diaper Bag application, our wicketers are ideal option. Related attachments as per design of bags can be incorporated on attachment platform of Universal Bag Making System.

Punch Banks :

It is a pneumatically actuated system. Punches are mounted on a bridge, which is actuated using pneumatic cylinders from both the ends. Capable of running up to 240 Cycles / Minute. It is ideal for day to day production of agriculture produce bags, celery bags, etc.

Header Sealer :

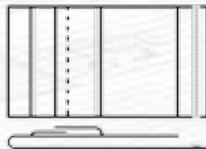
The attachment is designed for producing a running seal on the bag. Applications for header sealed bags include diaper bags, toilet paper roll bags etc. System can operate at up to 45 Meters. / min. line speeds.



Security / Courier Bag Making System



Security Bag with Pouch Type Flat Seal



Courier Bag with Side seal



Mailing Envelope Side seal



Mailing Envelope Mix Seal

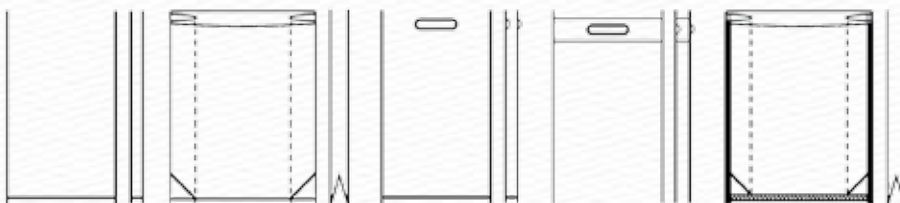
With increasing demand for Airport Security Bags, Tamper Evidente Mailing Envelopes, Bank Envelopes & Courier Bags, we offer complet system configurations to make these bags.

These systems are available with conventional side seal configuration or Twin(Mix) seal or Pouch style Flat seals. Changeovers are quick and easy and one system can do all seal types and styles.

Our Systems are designed to easily integrate additional devices like hotmelt Glue Applicators, In-line Multihead Barcode / Bag Serial number Printers, etc. at site.



Heavy Duty Bottom Seal Bag Making System



There are variety of Bottom Seal Bags from simple bottom seal to more complex & high value addition bags.

Applications include Packaging of Pet Foods, Agricultural Produce, Chemicals, Plastic Raw Materials, Wood Shaving, Mulch, Rock Salt, etc. These applications demands use of high film thicknesses. Our systems can process upto 200 micron film thicknesses for bottom seal bag applications. We also offer systems to convert a lay flat sheet in to a side gusseted bag with one edge seal or quad seal.

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Specifications:

PROCESSING DATA :	Vega Series / Vega ^{Plus} Series					
	Side Seal Bags			Bottom Seal Bags		
Thickness of the Film (microns)	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
• HM-HDPE	80	10	80	25	80	25
• LLDPE / LDPE	120	15	150 / 200 ^{##}	25	150 / 200 ^{##}	25
• PP / CPP	75	20	75	25	75	25
GENERAL SPECIFICATIONS :	Vega 800 / Vega ^{Plus} 800		Vega 1000 / Vega ^{Plus} 1000		Vega 1200 / Vega ^{Plus} 1200	
Maximum Speeds* (Cycles/Minute)						
Side Seal Bags	280		250		250	
Bottom Seal Bags	150		150		150	
Limiting Line Speed (Metres/Minute)	70		70		70	
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
Web Width (mm)	800 ^{**}	200 ^{**}	1000 ^{**}	250 ^{**}	1200 ^{**}	300 ^{**}
Draw Length (mm)	1200	100	1200	100	1200	100
Off-wind Reel Diameter (mm)	Depends on Unwinder selection (wide range of Unwind options available)					
Drive Data	Vega ^{Plus} Series			Vega Series		
Film Index Drive (Tail-feed assisted)	AC Brushless Servo Motor			AC Brushless Servo Motor		
Nip Drive	Permanent Magnet DC Motor			Permanent Magnet DC Motor		
Conveyor Drive	Permanent Magnet DC Motor			Permanent Magnet DC Motor		
Cranking Mechanism (Seal head) Drive	AC Brushless Servo Motor			AC Brushless Servo Motor		
Flying Knife Drive (optional Bottom/Mix Weld)	AC Brushless Servo Motor			AC Brushless Servo Motor		
Difference Between	Vega ^{Plus} Series			Vega Series		
Seal Head Drive	Brushless Servo			Brushless Servo		
Sealing Time Control	Yes, Digital			N.A.		
Sealing Pressure Control	Pneumatic			Spring		
General Data	800		1000		1200	
Vega ^{Plus} or Vega Series	800		1000		1200	
Electrical Power	AC 3 Phase 220/240/380/415/480 ± 6% Volt, 50/60 Hz					
Total Connected Load #	15 KVA		16 KVA		17 KVA	
Air Consumption @ NTP (Ltr./min.) #	780		850		900	
Foot Print (L x H x W) (mm)	Available on request					
Machine Weight (MT)	~ 2.0		~ 2.5		~ 3.0	

* Actual Output depends on the type of Bag, Material, Thickness, Width and Draw length.

Above specifications are for basic machine only.

** Usable Width of Machines may change with attachments.

Please consult us for Specific Testing Requirements and Processing Higher Thickness.

Attachments:

- Bottom Seal Capability
- Twin (Mix) Seal Capability
- Options of Unwinders
 - Air Shafts
 - Motorized Film Roll Loading
 - Electrical Edge Position Guide (EPC)
 - Servo / Pneumatic Tension Controller
 - Safety Chucks
 - Film Roll Exhaust Sensor
- Folders
 - "A" Frame ("V" Folder)
 - "C" Folding Mechanism
- Attachments in Continuous Path
 - Bottom Gusseters
 - Lip / Flap Formation
 - Perforators
 - Seal Heads for different Films
 - Tape Inserters and Applicators
 - Sheet Inserters
 - Lip / Header Sealer
 - Ultrasonic Sealers
- Attachments in Intermittant Path
 - Wide Variety of Punches
 - Pre-sealers / Re-inforcement Sealer
 - "K" Seal (Miter Gusset)
 - Multi Purpose Sealing Modules
 - "V" Cut Attachment (Cold Cut)
- Stacking Unit
 - Auto Stacker
 - Cross Conveyor for Softloop / Moulded Hanger Bags
- Attachments for Special Purpose Bags
 - Security / Courier Envelopes
 - String Zip / Flange Zipper Insertion & Sealing
 - Round Bottom (Chicken/Minced meat) Bags
 - Square Bottom Bags
 - Diaper Bags
 - Moulded Handle Insertion
 - Draw String Bags
 - Hanger Seal Bags
- Automated Bag Folding Mechanism
- Post Gusseters - Fix Type & Turn Table Type
- Customer's Special Requirement

Photographs may show attachments or accessories, which may not be part of the standard scope of supply.

The company reserves the right to modify, alter, change or substitute any feature & specifications which are subject to change without notice.

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