

BCS series

bag conversion systems

High Precision Cutting and Folding

High Working Speed

Low Energy Consumption

Low Maintenance Cost



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BCS series is a series of high-speed conversion lines of tubular fabric (woven from PP/HDPE tapes) rolls in to bags.

The process involves cross-cutting of fabric rolls, bottom folding, sewing and stacking.

The machines can process coated, uncoated and laminated fabric.

These bags are ideal solution for rice, flour chemicals, fertilizer, pulses, pet foods, building materials and many more.

Smooth, Automatic and Efficient conversion of fabric roll to bags

Production Speed
upto 45 bags/min

Unwinding Fabric Roll Width
300 - 1600 mm

Cutting Length
500 - 1850 mm

Cutting Length Accuracy
± 1 mm



OPTIONAL EQUIPMENTS

- Cold Cutter (for Coated/Laminated Fabric)
- Static Charge Eliminator
- Zig-Zag Cutter
- Double Folder
- Gusseting Device
- Easy Opening
- Handle Punch
- Leno Fabric Processing Kit
- Perforation Device

BCS Classic can be upgraded to Valvomatic with a retrofit kit on special request



UNWINDING UNIT

Edge Position Control Unit (EPC) automatically makes minor adjustments to align the web with precision.

Easy Mounting: The unwinding unit is designed such that a roll of circular woven fabric can be easily mounted without any requirement of external lifting device.



ACCUMULATOR UNIT

Print Mark Sensor helps in precise cutting of the fabric.

Uniform Tension: This unit keeps a reserve of extra length of fabric during continuous unwinding to maintain uniform tension of fabric.



CUTTING UNIT

Hot Cutting Unit suitable for non-laminated fabric.

Mouth Opening Device ensures ease of opening of the leading edge of cut-length

Cut Customized Lengths: Servo motor helps in cutting the fabric to pre-set length with minimum cut length variation.

Folding Unit Optimized folding results in fabric saving in longer run.



BAG STACKING AND CONVEYOR UNIT

Auto Switch-Off: The sewing machine automatically stops when no cut lengths are received.

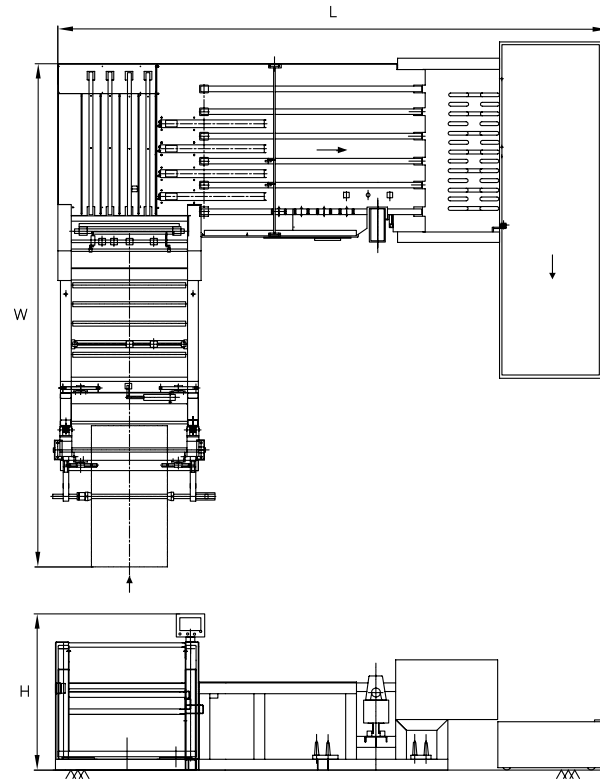
Variable Frequency Drive System synchronizes the cutting unit, conveyor and sewing unit.

Thread Cutter Unit is operated through an electronic sensor for smooth operation.

Set Stack Quantities: The finished bags can be stacked in the preset number of bags.

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	BCS Prime	BCS Classic	BCS XL	BCS XXL
Width of Unwinding Fabric Roll	300 to 850 mm	300 to 850 mm	300 to 1250 mm	600 to 1600 mm
Diameter of Fabric Roll (max.)	1300 mm	1300 mm	1300 mm	1200 mm
Internal Diameter of Core	70 - 115 mm	70 - 115 mm	70 - 115 mm	70 - 115 mm
Replacement of Fabric Roll	Pneumatic System	Pneumatic System	Pneumatic System	Pneumatic System
Cutting Length	500 - 1350 mm	500 - 1350 mm	500 - 1550 mm	500 - 1850 mm
Cutting Length Accuracy	± 1 mm	± 1 mm	± 1 mm	± 1 mm
Bottom Folding Width	20 - 30 mm**	20 - 30 mm**	20 - 30 mm**	20 - 30 mm**
Stitching Type	Single Stitch / Double Stitch	Single Stitch / Double Stitch	Single Stitch / Double Stitch	Single Stitch / Double Stitch
Stitching Range	4.0 - 9.0 mm	4.0 - 9.0 mm	4.0 - 9.0 mm	4.0 - 9.0 mm
Production Speed	Upto 40 bags / min*	Upto 45 bags / min*	Upto 45 bags / min*	Upto 28 bags / min*
Dimensions (L x W x H)	4.0 x 5.2 x 1.5 m	4.0 x 5.1 x 1.5 m	4.2 x 6.2 x 1.5 m	9.3 x 5.2 x 1.5 m

* Depends on material used, width of fabric, no. of folds and stitches, etc.

** Adjustable for Single Fold

Specifications are subject to change without prior notice, due to continuous developments. These are indicative and not binding.

Extreme values indicated are not achievable simultaneously.

The pictures may show optional equipments that are not a part of the standard supply.

For details, refer to the quotation.

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