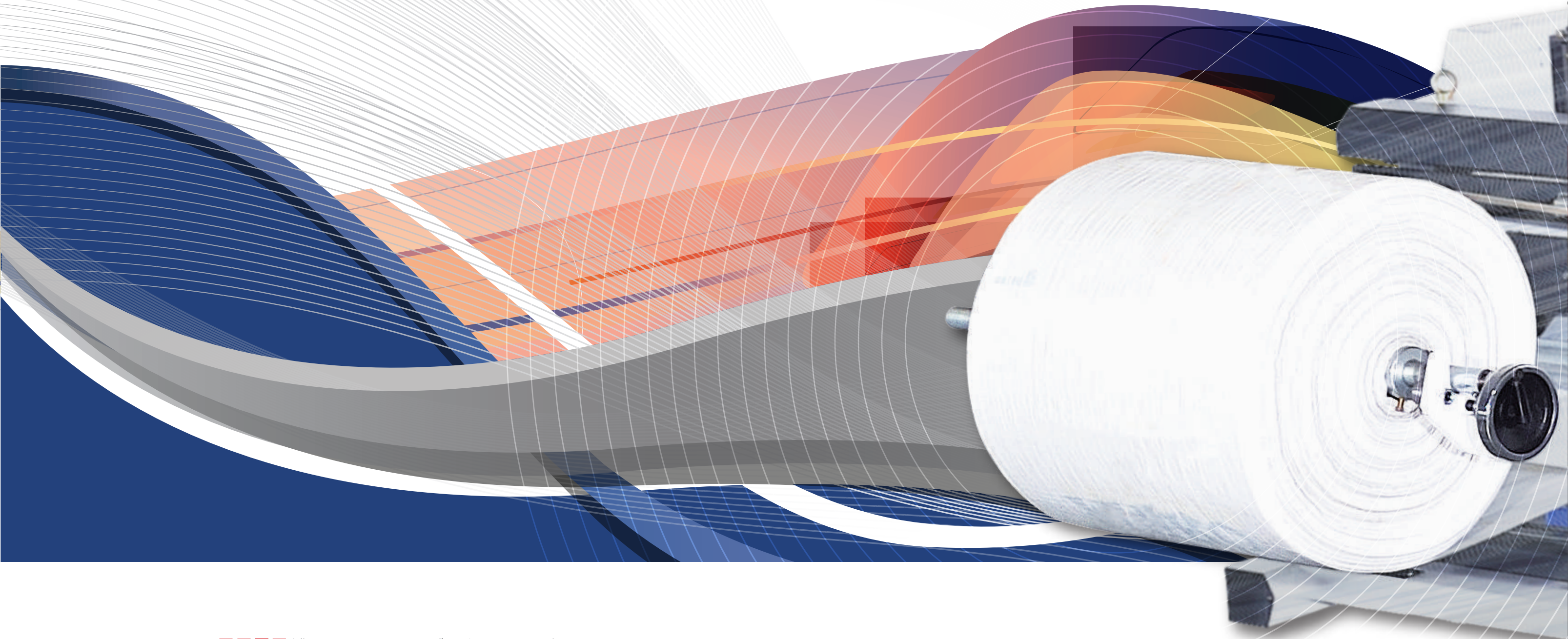


**PPIPE WOVEN BAG**  
Rear Processing Machinery

Quality Oriented  
THE BEST CONVERSION LINE  
AVAILABLE FROM TAIWAN



**博翊機械工業有限公司**  
BOTHEVEN BOTHEVEN MACHINERY INDUSTRIAL CO., LTD.

工廠：雲林縣大埤鄉大埤路59巷59號  
TEL:05-5916970.5910330 FAX:05-5916968.5910332  
No. 59, Lane 59, Ta-Pei Road, Ta-Pei Hsiang, Yun-Lin Hsien, Taiwan  
TEL:886-5-5916970.5910330 FAX:886-5-5916968.5910332  
<http://www.botheven.com.tw>  
e-mail:botheven@botheven.com.tw

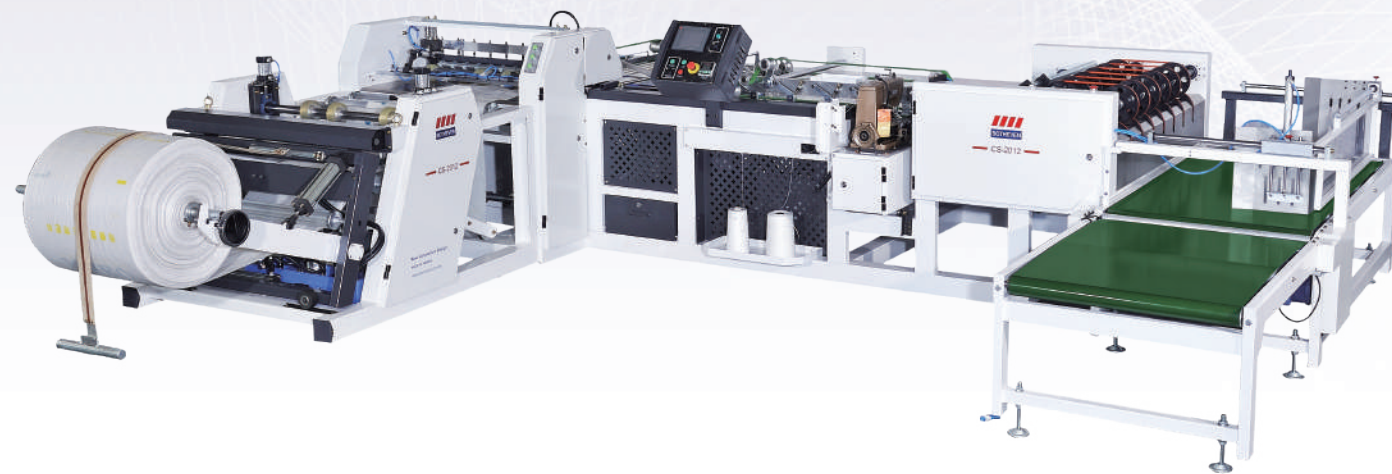
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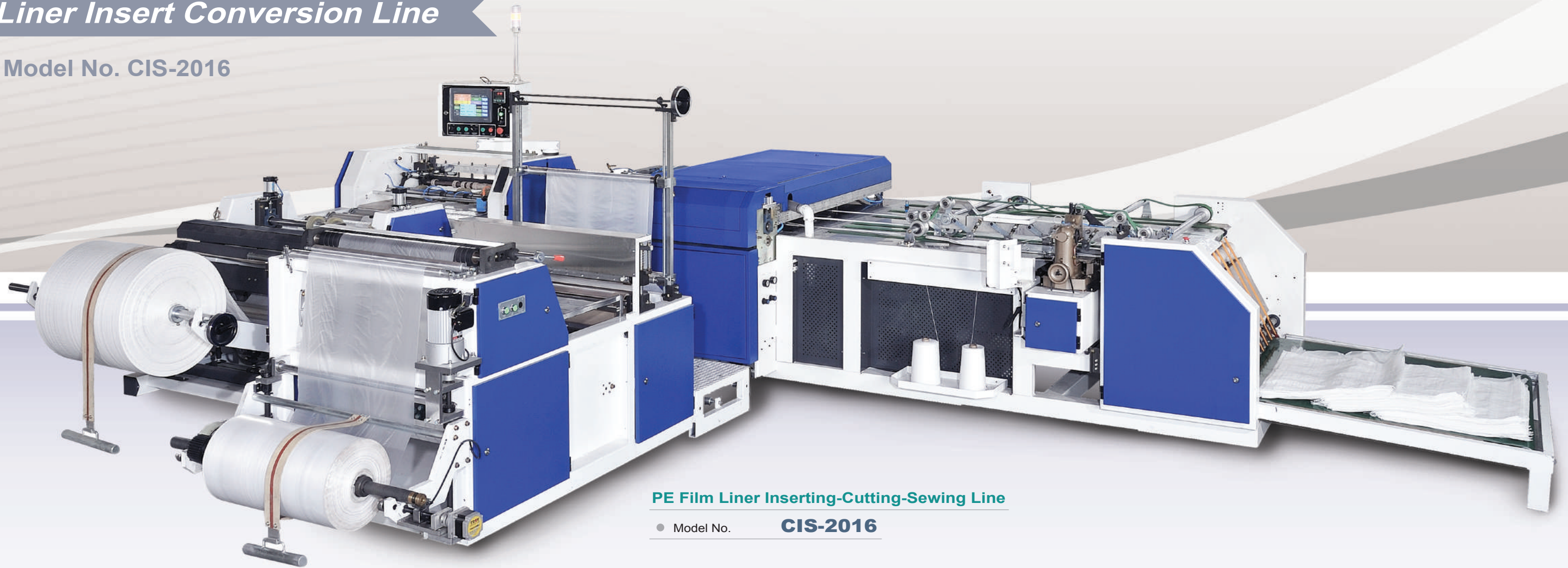


# PE Film Liner Inserting Cutting-Sewing Line FOR PP WOVEN BAG

**PP/PE WOVEN BAG**  
Rear Processing Machinery

## Liner Insert Conversion Line

Model No. CIS-2016



### PE Film Liner Inserting-Cutting-Sewing Line

● Model No. **CIS-2016**

#### Designed for Inner Liner Inserting-Cutting-Sewing In-Line Process:

##### With Liner Insert Process

● Bag Width (With Liner Insert)	400 -700 mm Applicable
● Bag Length (With Liner Insert)	600 -1100 mm Applicable
● Production Capacity	18-24 Bags Per Minute.
● PE Film Width	+ 20 mm (Bigger PE Film Width)

##### Without Liner Insert - Cutting-Sewing Process Only.

● Bag Width (Without Liner Insert)	400-800 mm Applicable
● Bag Length (Without Liner Insert)	450 -1350 mm Applicable
● Production Capacity	20-30 Bags Per Minute.
● Diameter of Unwinding Cloth	1200 mm Maximum

#### Main Feature:

- Fully Automatic In-Line Process For Liner Inserting-Cutting-Sewing.
- Applied for both functions:
  1. Liner can be fully sewn with PP Woven bag.
  2. Liner also can be not sewn/loose inside PP Woven Bag.
- Without inserting liner, the machine can process for normal Cutting-Sewing function.
- Saving Manpower Hugely.
- With Excellent Quality & Stable Performance.

#### Optional Equipment:

- Gusset Device
- Anti-Static Device
- Bottom Wrapping Device
- Stack Collector

# PP WOVEN BAG FULLY AUTOMATIC CONVERSION LINE

**PP/PE WOVEN BAG**  
Rear Processing Machinery

## Fully Automatic Cutting-Sewing Line

● Model No. **CS-2012**

### Major Specification of CS-2012

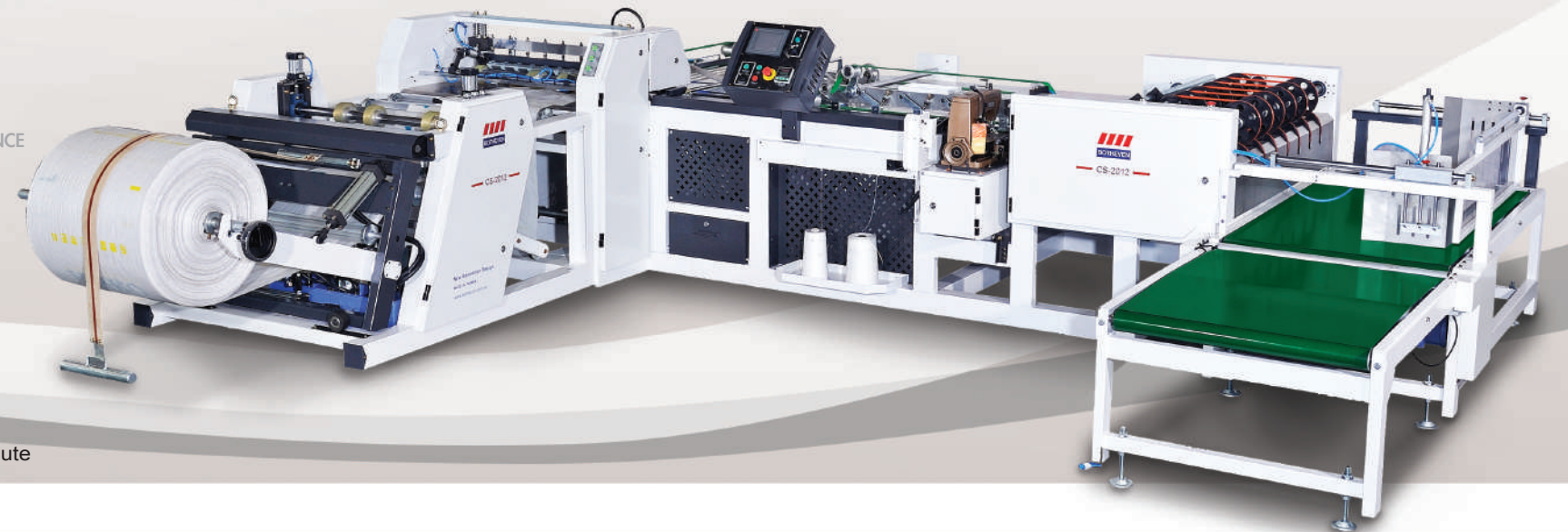
● Diameter of Unwinding Cloth	1400 mm Maximum Applicable
● Width of Unwinding Cloth	250 - 850 mm Applicable
● Cutting Length	460 - 1350 mm Adjustable
● Production Output	32 - 50 bags / minute
● Sewing Unit	New Long DKN-3BP (4500 rpm)
● Length Accuracy	Within $\pm 1$ mm Range
● Cutting Knife	High Quality Alloy Steel Cutter With Tubular Heater

## NEW GENERATION CONVERSION LINE

WITH NEW SHAPE, IMPROVED DESIGN,  
AND SMOOTH EVER PRODUCTION PERFORMANCE

### Main Feature

- Equipped Two Servo Motors
- Equipped 90° Bag Transfer Grippers
- Easy Operation Touch Screen
- High Product Output Up To 50 bags/minute



## Fully Automatic Cutting-Sewing-Printing Line

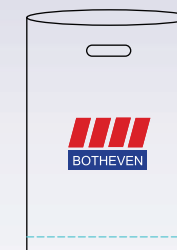
● Model No. **CSP-2012/1~6 colors**

● Cutting-Sewing-Printing All In One Design

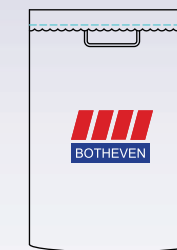
### Optional Equipment

- Zigzag Type High Quality Alloy Steel Cutter
- Double-Fold Sewing Guide Device
- Cold Cutting System (For Laminated Bag)
- Mark Reading Sensor (For Pre-Printed Fabric Roll)
- In-Line Gusset Device
- Micro-Perforation Needle Roller
- Corona Treater

## The Best Conversion Line Available in Taiwan



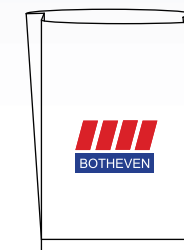
Cold / Heat Punch



Plastic Handle Insertion



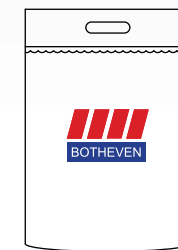
Bottom Wrapping  
(Easy Open)



Gusset Bag



Twist Gusset Bag



Punch w / Top sewing bag



# VALVE BAG MAKING MACHINE

**PP/PE WOVEN BAG**  
Rear Processing Machinery

## Valve Forming Line (L-Shape Cutting, Valve Forming, Top Sewn)

Model No. : **VS-20**

This line is designed to process product from #GS-2002, finishing with feeding valve forming and mouth fold & sewn, sectional elements including :

- Feeding table with optical position control.
- "L" shape cold cutting unit.
- Automatic "feeding valve" forming unit.
- Mouth fold & sewn unit.
- Automatic count stacking unit.

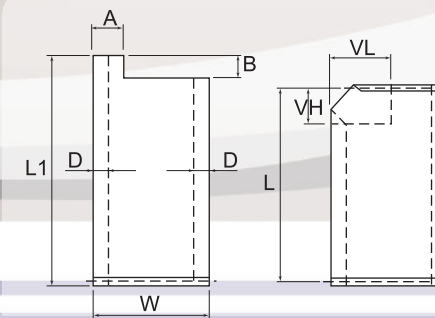
### Major Specification of VS-20

● Processing Bag Width	320 - 480 mm Applicable
● Processing Bag Length	680 - 1180 mm Applicable
● Production Output	17 - 19 bags/minute



### Dimensions of Valve Sack

Size	Min ( mm )	Max ( mm )
A	70	110
B	50	120
Gusset Depth D	40	90
Sack Length L1	680	1000
Sack Width W	350	480
Valve Length VL	120	200
Valve Width VB	100	140



$$VL = (A+D) - 35 \quad VH = A + B$$

## Gusset-Cutting-Sewing Line



### Optional Equipments :

- Double-fold Sewing Guide Device.
- Double Stitching Sewing Unit.
- Bottom Wrap-sewn Reel Tape(s) Provider.

Model No. : **GS-2012/ EM/ CHN**

This Gusset-Cutting-Sewing Line is design to flawlessly form side Gusset with bottom fold & sewn, sectional elements including:

- Un-winding unit equipped with EPC
- Micro-Perforatin unit.
- Gusset Forming unit (equipped with Infrared Heater to ensure Finishing Quality)
- Mark sensor for Processing printed fabric roll.
- Cutting unit equipped both cold cutter and heat cutter.
- Bottom fold & sewing unit.
- Finished bag automatic count stacker delivery unit.

### Processing Size of the Gusset Bag

Size	Gusset Device - Standard -
● Gusset Depth Range	50 - 100 mm
● Bag Width Range Before Gusset	435 - 645 mm
● Bag Width Range After Gusset	280 - 550 mm

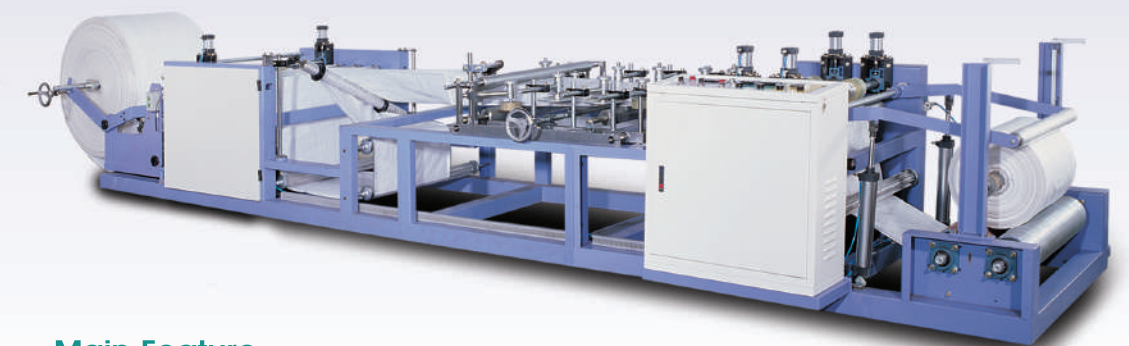
(GS-2002 equips only one unit of Gusset Device, the other unit shall be optional)

### Major Specification of GS-2012

● Processing Bag Width	300 - 850 mm Applicable
● Processing Bag Length	450 - 1350 mm Adjustable
● Production Output	32 - 45 bags/minute

## Reel To Reel Gusset Line

● Model No. **TRG-700**



### Main Feature

- Reel to Reel line designed, easy for operation.
- Equipped with Shifting-Device to ensure Side-Imprint positioned at Center of the Gusset Area

### Processing Size of the Gusset Bag

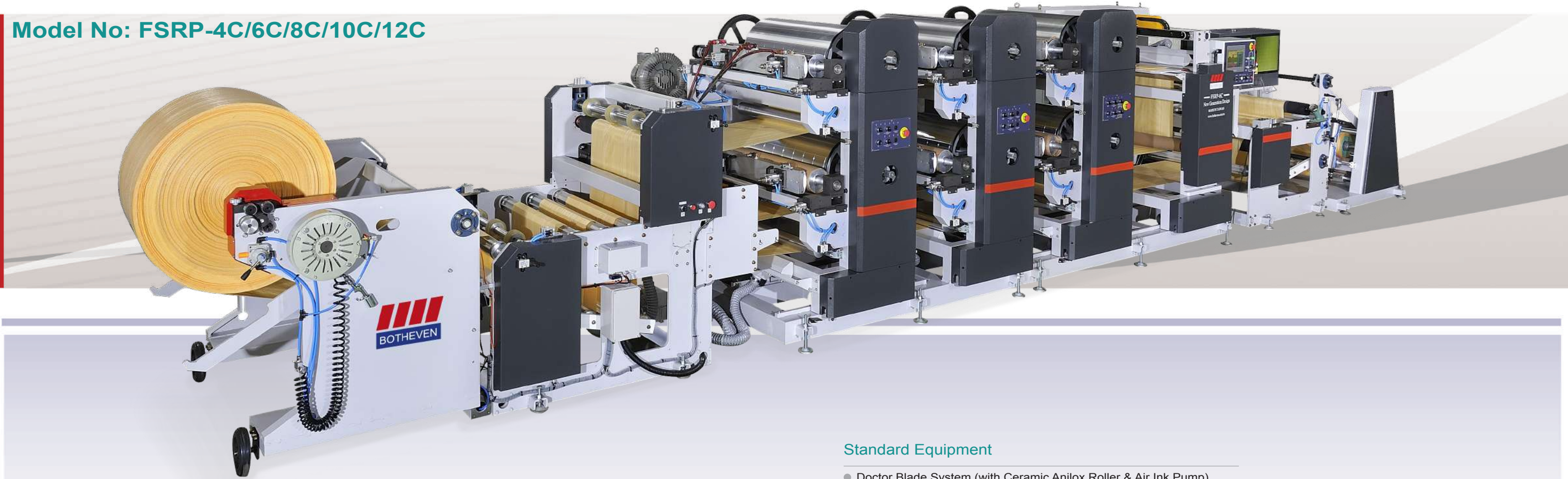
Size	Gusset Device - Medium -	Gusset Device - Small -
● Bag Width Before Gusset	480 - 700 mm	360 - 480 mm
● Bag Width After Gusset	360 - 580 mm	260 - 380 mm
● Gusset Depth	40 - 90 mm	30 - 50 mm
● Production Output	Max. 100 meter/minute	



# NO CYLINDER CHANGING REEL TO REEL FLEXOGRAPHIC PRINTING LINE

**PP/PE WOVEN BAG**  
Rear Processing Machinery

Model No: FSRP-4C/6C/8C/10C/12C



## Main Feature

- Equipped Servo Motors for Precise Printing Graphic and Printing Length Control.
- On-line Servo Control Printing Position Registration System (with Touch Screen Operation).  
(Each printing station equipped with servo motor to adjust printing position during machine running)
- Equipped with Doctor Blade System and Ceramic Anilox Roller as Standard Equipment.
- Optional On-line Camera Inspection (Italy made) Two Units, Monitoring Printing Quality during Machine Running.

## Optional Equipment

- Corona Treatment
- On-line Inspection System (Italy Made)

## Standard Equipment

- Doctor Blade System (with Ceramic Anilox Roller & Air Ink Pump).
- Touch Screen Monitor for Easy Operation.
- Auto Roll Changing System (Unwinding And Rewinding).



Doctor Blade System



On-Line Inspection



Touch Screen Monitor  
for Easy Operation



# PP Woven Bag REEL TO REEL PRINTING LINE

**PP/PE WOVEN BAG**  
Rear Processing Machinery

## New Developed Model

Based on our renowned original Reel To Reel Printing design, which, has been debuted for more than a decade now; we have further up-graded the design by introducing additional advanced features:

- Gear -Box equipped in each printing station, which, can perform online 360 rotation, in facilitating the conduct of micro adjustment required on individual station imprint-Artwork Registration, under Non-Stop Operation.
- Enhanced Drying Efficiency for Quickly Drying.

### Main Feature:

Reel to Reel Printing Method, is the most efficient way for pp woven bag printing application, especially when both side imprint required. We can provide 2 to 12 colors Reel to Reel Printing Line with excellent imprint quality and up to 120 meters/minute productivity. Our R/R Printing Line, greatly reduces printing cost to the minimal and should be reckoned as, the best choice on/for corresponding process application!

### Reel To Reel Printing Line

- Model No. **NRP-2012/6C**
- Imprint Arrangement 6+0, 5+1, 4+2, 3+3 colors combinations



### Reel To Reel Printing Line

- Model No. **NRP-2012/8C**

### Major Specification of RP serials

- Equipped Gear Box On Each Printing Station, These Gear Box Can 360° Online Print Registration While the Machine Is Running.
- Equipped Drying System for Quickly Drying
- Diameter of Unwinding Cloth 1200 mm Maximum Applicable
- Width of Unwinding Cloth 350-850 mm Applicable
- Printing Repeat Length 500-1300 mm
- Production Output 120 meters/minute Max.

### Optional Equipment

- Auto Roll Changing System (Unwinding And Rewinding)
- Corona Treater
- Automatic Ink Circulation Pump
- Doctor Blade System



### Reel To Reel Printing Line

- Model No. **NRP-2012/10C~12C**
- Imprint Arrangement 5+5, 6+4, 7+3 colors combinations.



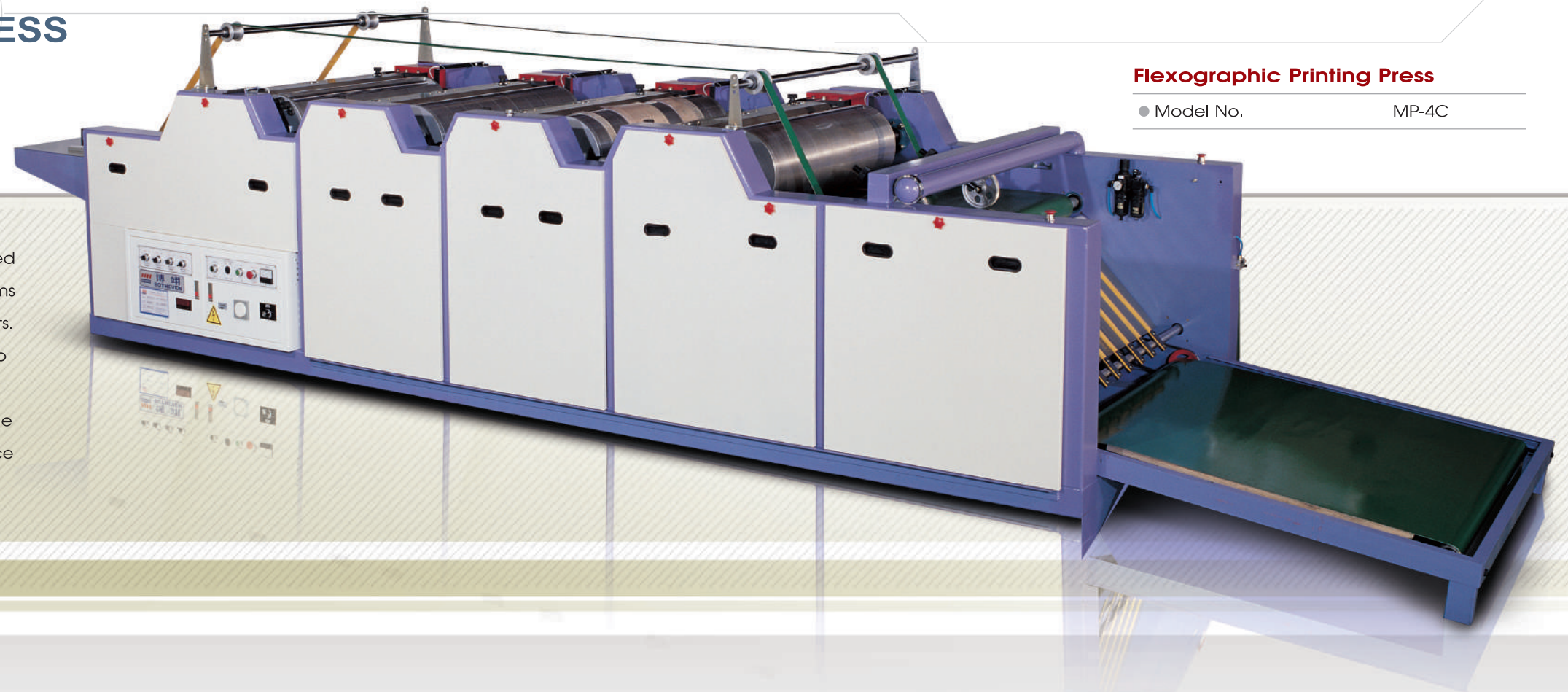
# PP WOVEN BAG FLEXOGRAPHIC PRINTING PRESS MP SERIALS

PPIPE WOVEN BAG  
Rear-End Processing Machinery

## Main Feature

Our #MP Series Printing Press is designed to fit client's manual feed Piece by Piece printing requirement, with individual unit of items that has already been Cut and/or Bottom-Sewn, as its prime targets.

- The Series were designed for Easy & Simple Operation, with also an Easy & Simple Printing Plate Changing process.
- A specially designed Action-Disengage-System to descent the Conveyance-Roller upon empty loads; greatly reduce the chance of conveyor-belt get stained !



## Flexographic Printing Press

● Model No. MP-4C



## Flexographic Printing Press

● Model No. **MP-6C(1~6C)**

## Major Specification of MP Series

● Processing Bag Width	300-800 mm Applicable
● Processing Bag Length	400-1250 mm Applicable
● Printing Range	700(w) x 940(L) mm
● Production Output	0-60 bags/minute
● Printing Method	Flexographic On Single Side



# PP Woven Bag LAMINATION LINE

## Single & Double Side BOPP Lamination Line Model: LM-65-700/SD

### Main Features

- Flexible Usage of:
  1. Single & Double Side Sandwich Coating of PP Tubular Woven Bag + BOPP.
  2. Single & Double Side Coating of PP Tubular Woven Bag.
- Equipped Accurate Printing Position Registration System.
- Equipped Fully Synchronized Control System with Touch Screen Operation.
- Adopts Double Lamination Units ( 2 x Extruders + 2 x T-Dies ) Flexible for Both Single & Double Side Lamination.
- Four-Station BOPP Color Film Un-winders.



## FLAT FABRIC SINGLE SIDE BOPP LAMINATION LINE Modle No : LM-90-1600/S

Major Specifications	LM-65-700/SD	LM-90-1600/S
Bag Width Range	380-700 mm	800-1400 mm
Max. Diameter Of Unwind	1200 mm	1200 mm
Max. Diameter Of Rewind	1200 mm	1200 mm
Production Speed	20-120 Meter/Minute	20-120 Meter/Minute

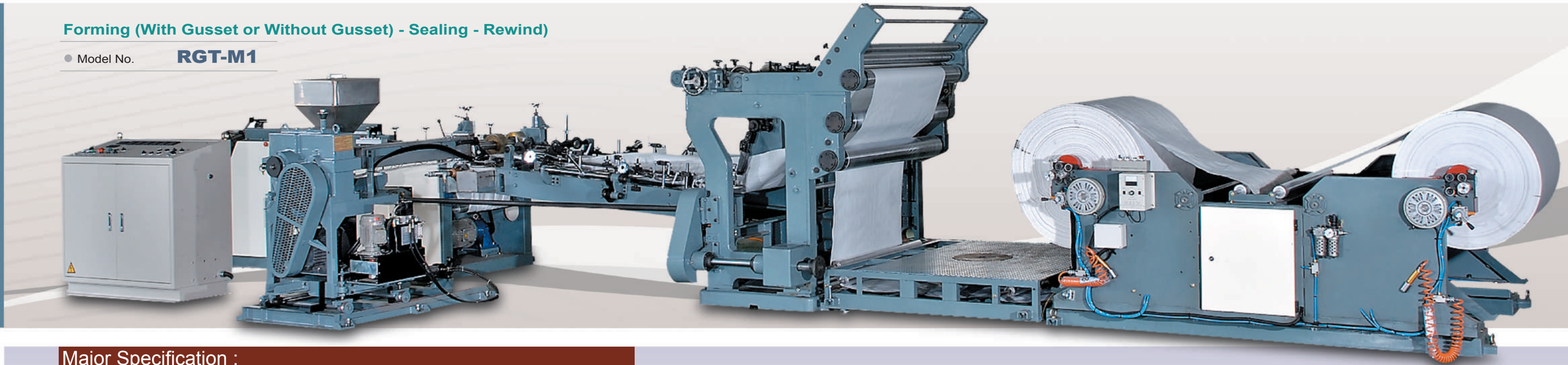




## Automatic PP Woven Fabric Tubing Machine

Forming (With Gusset or Without Gusset) - Sealing - Rewind)

Model No. **RGT-M1**



### Major Specification :

#### A. General Performance:

- Diameter of Unwinding cloth: 1000 mm maximum
- Processing Flat Fabric Width : 640-1350 mm
- Production Output : Max. 100 Meter / Minute.

#### B. Un-Winding Section

- Fabric Roll Lifting : Pneumatic Type.
- Automatic Edge Position Control (EPC) : Hydraulic Type, With 1 HP AC Motor
- Automatic Tension Control : Powder Brake With Controller
- Air Shaft : 2 PCS, Enclosed.
- Automatic Roll Changing System : Enclosed.

#### C. Tubular Forming & Extruder Pasting

- Processing Flat Fabric Width : 640 - 1350 mm
  - \* 740 - 1150 mm Can Be Gusseted
  - \* 640 - 740 mm Can Not Be Gusseted, But Can be Pasted.
- Gusset Depth : 40 - 75 mm Adjustment.
- Main Motor of Pasting Extruder : AC 7.5 HP, With Inverter Control.

#### D. Re-Winding

- Winding Method : Surface Friction Type.
- Winding Motor : AC 3 HP Motor with Inverter Control.
- Rewinding Roll Press Roller : Pneumatic Type
- Automatic Roll Changing System : Enclosed.



The RGT-M1 was created to tube laminated or coated flat woven fabric in facilitate client's application on rear end process of bag-making.



# SIMPLE FUNCTION MACHINE

**PP/PE WOVEN BAG**  
Rear Processing Machinery



## Automatic Bag Cutting Machine

Model No. : C-2002 / Servo

### Main Feature

- With Servo Motor to ensure Precise Length-Cutting ( $\pm 1$ mm).
- Equipped High Quality Alloy Steel Cutter.
- Equipped Bag Mouth Anti-stuck Device.

### Optional Equipment

- Zigzag Type, High Quality Alloy Steel Cutter.
- EPC & Printing Mark Reading Sensor.
- Cold Cutter for Coated/Laminated Bag

### Major Specification

Model	C-2002 / SERVO	
● Processing Bag Width	400 - 800 mm Applicable	
● Processing Bag Length	600 - 1250 mm Applicable	
● Production Output	28 - 35 Bags/minute	

## Semi-Automatic Bag Sewing Machine

Model No. : S-2002

### Main Feature

- Multi-purpose For Laminated PP Woven Bag, Un-laminated PP Woven Bag, Kraft Paper Bag..
- Equipped Sewing Thread Broken Sensor.
- Equipped Auto-scissor For Thread Cutting.
- Finished Bag Auto-counting Stacker.

### Major Specification

● Processing Bag Width	250 - 800 mm Applicable
● Processing Bag Length	250 - 1400 mm Applicable
● Production Output	25 - 40 bags/minute

## Fixed Table Type (Recommended)

### Hydraulic Baling Press

- Model No. HP-30T, HP-60T

### Trolley Type



### Main Feature

- Compact Hydraulic Block.
- Overload Protection Valves.
- Pressure Regulator & Gauge.
- Emergence Stop.

### Major Specification

Model	HP-30T	HP-60T
● Capacity	30 Tons	60 Tons
● Driven Motor	AC 7.5 HP x 6P	AC 10 HP x 6P
● Hydraulic Cylinder Diameter	ø 150 mm	ø 180 mm
● Hydraulic Cylinder Stroke	1100 mm	
● Open Height	1300 mm	
● Operation Speed (mm / min)	Down: 1200 / Up: 1200 mm / Pressing: 6000	
● Standard Table Size	1300(L) x 800(D) mm	



# JUMBO BAG MAKING MACHINE

**PP/PE WOVEN BAG**  
Rear Processing Machinery

## Jumbo Bag Cutting Machine

Model No. : **C-20 / Servo / 1800W, C-20 / Servo / 2200W**

### Main Feature

- With Servo Motor to ensure Precise Length-Cutting ( $\pm 1$ mm).
- Equipped high quality alloy steel cutter.
- Equipped bag mouth open device.
- Punching Unit for "X" hole and "O" hole Punch Available.

### Optional Equipment

- EPC
- Punching Unit For "X" Hole And "O" Hole Punch
- Cold Cutter for Coated/Laminated Bag

### Major Specification

Model	C-20 / Servo / 1800	C-20 / Servo / 2200
● Processing Bag Width	400 - 1800 mm	400 - 2200 mm
● Processing Bag Length	600 - 9999 mm Applicable	
● Production Output	Max. 15 bags / Min	



## Flexographic Jumbo Bag Printing Press

Model No. : **JMP-3C**

### Main Feature

- This Printing Press Is Specially Designed For Jumbo Bag Printing.
- Equipped Ink Circulation Pump In Each Color To Maintain Proper Ink Consistency.
- Patented Separation Device Between Printing Roller And Conveyor Belt To Avoid Stain Conveyor During Empty Load.
- 1 To 5 Colors Printing Press Flexibly Provided According To Customer's Demand.

## Both Side Stitching / welding Cutting-Punching Machine (Specially for U - Panel Type Jumbo Bag)

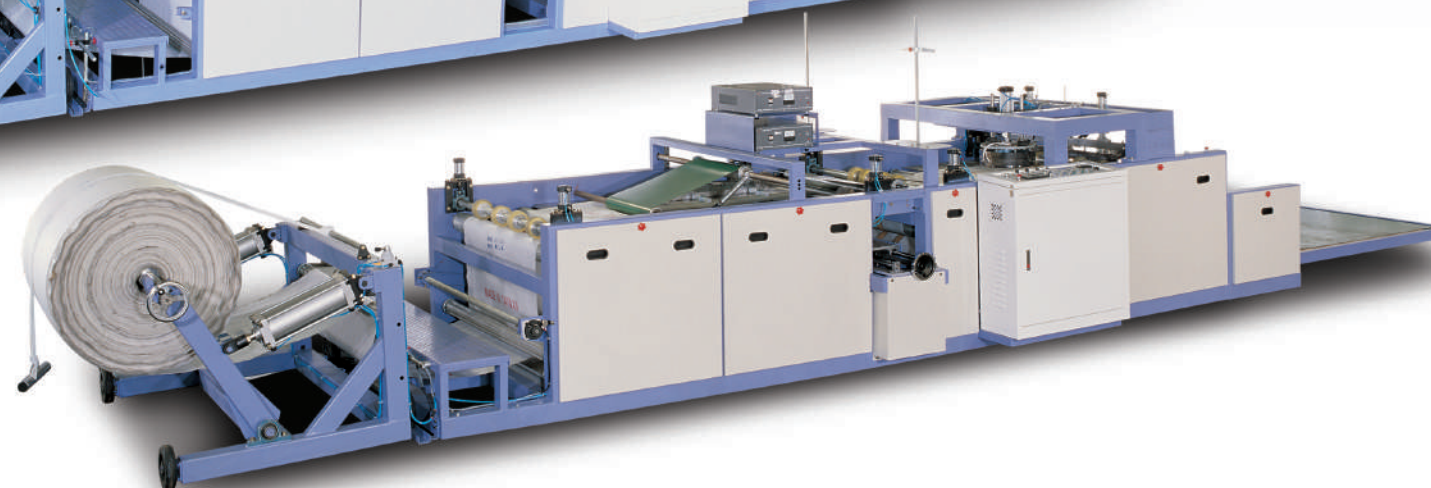
Model No. : **BSSC-30-S, BSSC-30-U**

### Main Feature

- Both Side Ultrasonic Welding For Saving Sewing Thread.
- With Servo Motor to ensure Precise Length-Cutting ( $\pm 1$ mm).
- Equipped High Quality Alloy Steel Cutter.
- Equipped Bag Mouth Anti-stick Device.
- Punching Unit For "X" Hole And "O" Hole Punch Available.

### Major Specification

Model	BSSC-30-S	BSSC-30-U
● Stitching / Welding	Stitching With DN-2HS Sewing Machine x 2 unit	Welding With Ultrasonic Unit
● Processing Bag Width	900 - 1300 mm	
● Processing Bag Length	600 - 9999 mm Applicable	
● Production Output	Max. 15 bags / Min	



### Optional Equipment

- Punching Unit For "X" Hole And "O" Hole Punch
- Cold Cutter for Coated/Laminated Bag

### Processing Size of the Jumbo Bag Printing Press

Model	JMP / 1~5C / 1800	JMP / 1~5C / 2200
● Processing Bag Width	600 - 1800 mm	600 - 2200 mm
● Processing Bag Length	900 - 1300 mm	
● Printing Area	940 x 940	
● Production Output	Max. 20 bags/minute	

