



Technical Innovation for Top Quality



Plant Engineering & Manufacturing for

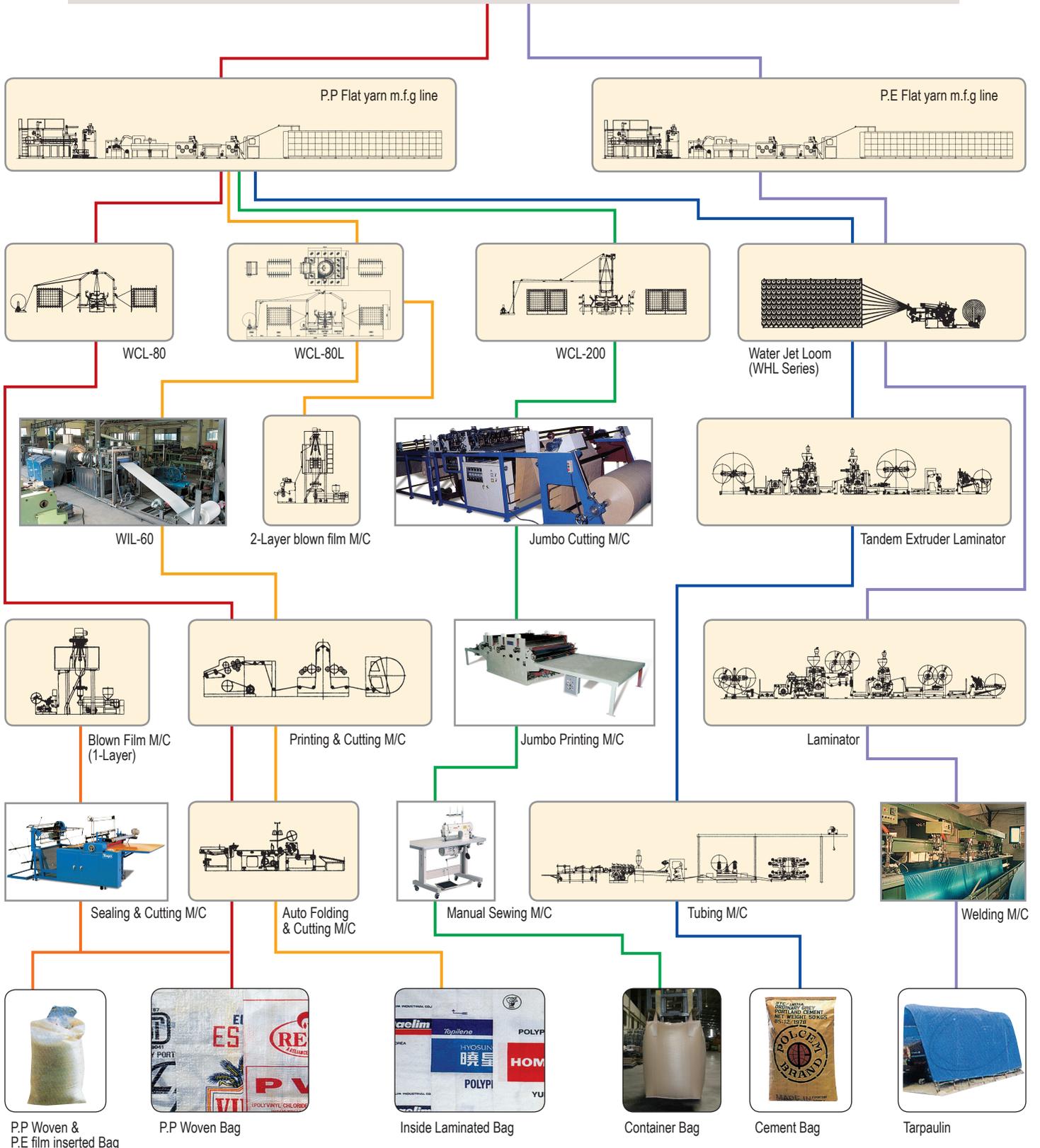
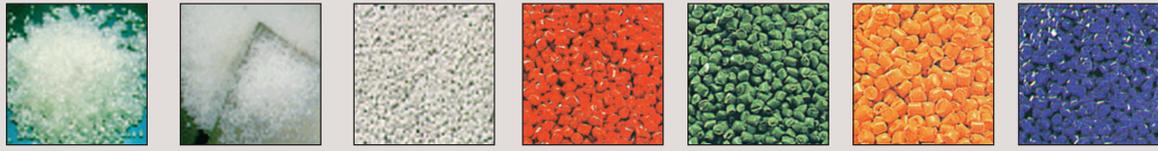
P.P Woven & P.E Film Inserted Bag

P.P Woven Inside Laminated Bag

P.P Woven Bag

Container Bag | Cement Bag | P.E Tarpaulin

# FLOW CHART



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## Infinite Technical and Quality Innovation!

Since beginning of supplier of P.E, P.P woven bag making plant We , WOOJUNG INDUSTRIAL CO.,LTD, always do our best to satisfy our global customers in manufacturing, installation& trial run, operation, total quality management and service.

We have controlled quality by way of the routine inspections, randomly check and final functional testing of all systems before delivery to our global customers.

After installing equipment, Our qualified supervisors will assist in checking the whole conditions of installation on factory.

WOOJUNG provide our global customer with total engineering service based on our various and accumulated experiences and advanced technologies.

We will never stop our innovation to meet customer's expectation.

**A** P.P Woven Bag

- P.P FLAT YARN M.F.G LINE
- CIRCULAR WEAVING LOOM FOR P.P WOVEN BAG
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- AUTO FOLDING & SEWING MACHINE
- PRESS & BANDING MACHINE

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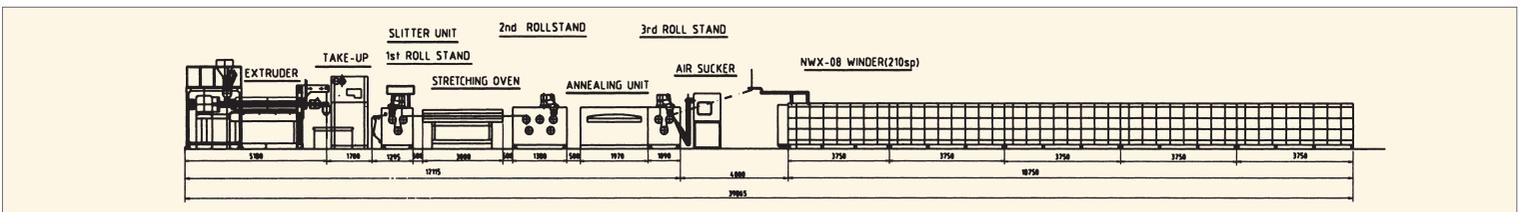
- PE FLAT YARN M.F.G LINE
- WATER JET LOOM
- EXTRUSION LAMINATOR
- WELDING MACHINE

# P.P FLAT YARN M.F.G LINE

This is designed to produce P.P flat yarns through the processing of heating, compressing, cooling, slitting, stretching, annealing and winding. Flat yarn is used for woven bags such as fertilizer bags, cement bags, chemical bags, feed bags, etc.



## · LAYOUT OF P.P FLAT YARN M.F.G LINE



## · MJT SERIES SPECIFICATIONS

Item	Model	Unit	MJT-90	MJT-100	MJT-110	MJT-120
Material			PP or HDPE	PP or HDPE	PP or HDPE	PP or HDPE
Denier of Yarn	Dr		700~2000	700~2000	700~2000	700~2000
Extrusion Capa.	Kg/hr		130~150	180~220	200~300	300~400
Screw Dia.	mm		90	100	110	120
No. of Spindle	SP		144	192	224	280
Line Speed	m/min		200~250	200~250	200~250	200~250

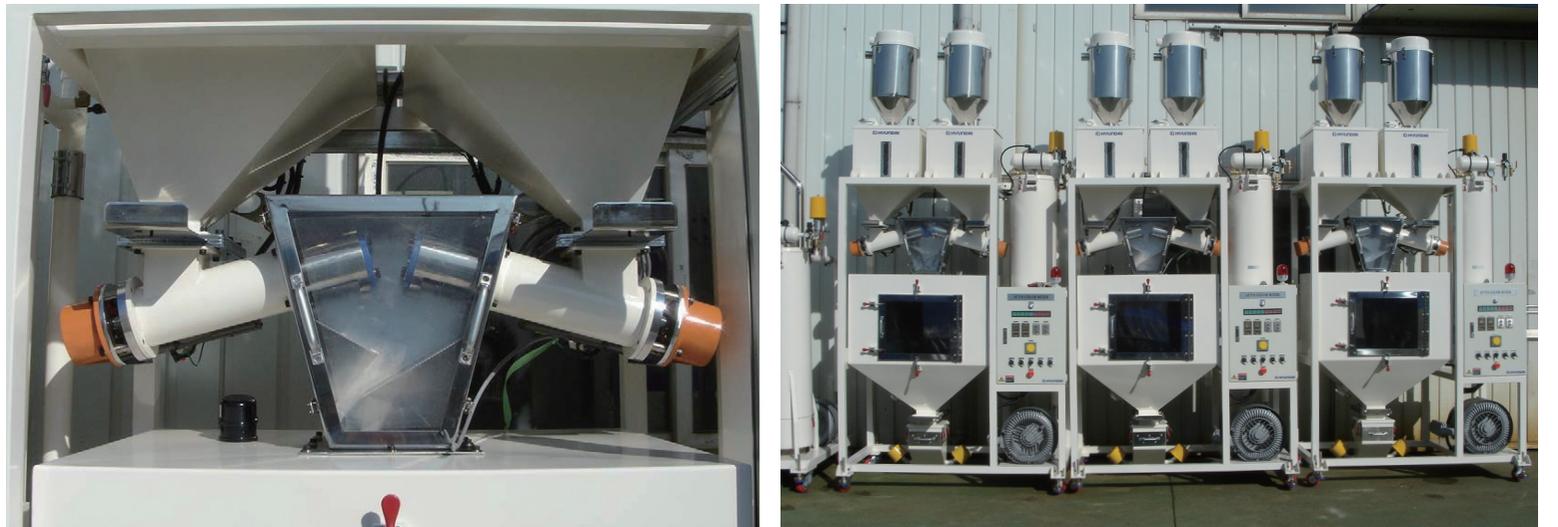
#. Specification and drawing is changeable for the improvement of function.

# P.P FLAT YARN M.F.G LINE

## · EXTRUDER



## · AUTO COLOR MIXER

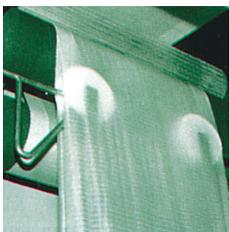


# CIRCULAR WEAVING LOOM (4-SHUTTLES) FOR P.P WOVEN BAG

**WCL-80**



## · GUESSETING DEVICE



Makes gusset which is folded both side of the bag with squared shape.

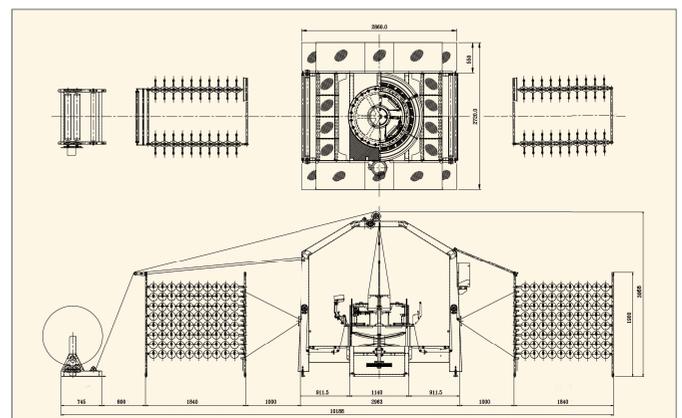
This loom is designed to produce the P.P circular woven cloth such as for fertilizer, sand, sugar, rice and wheat bags, cotton bales and so on.

## · SPECIFICATIONS

Item	Model	Unit	WCL-80
General	Material		PP Flat Yarn
	Denier of Yarn	Dr	700~1600
Basic Data	Weaving Speed	R.P.M	max. 220
	Weft Density	Yarn/inch	7~15
	Weaving Width	cm	30~80
Loom Body	No. of Shuttle	EA	4
Creel Stand	No. of Spindle	SP	640 (4)
Bobbin (Aluminum)	Inside Diameter	mm	35
	Length	mm	218
Electric Equipment	Power Supply	AC 220V or 380V, 50Hz or 60Hz	
	Main Drive		7.5HP, 4P

#.Specification and drawing is changeable for the improvement of function.

## · LAYOUT OF WCL-80

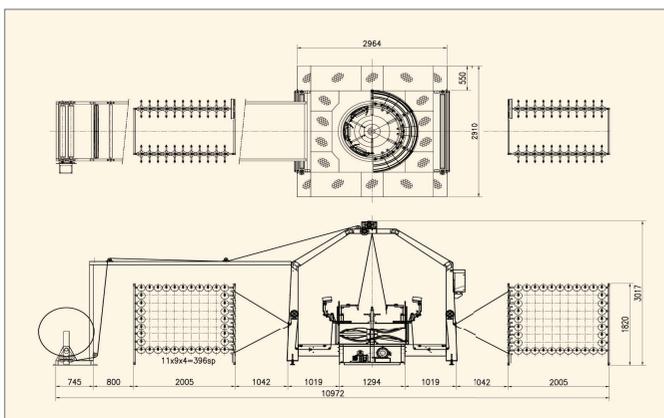


# CIRCULAR WEAVING LOOM (6-SHUTTLES) FOR P.P WOVEN BAG

**WCL-110**



## · LAYOUT OF WCL-110



## · SPECIFICATIONS

Item	Model	Unit	WCL-110
General	Material	PP Flat Yarn	
	Denier of Yarn	Dr	700~1600
Basic Data	Weaving Speed	R.P.M	max. 160
	Weft Density	Yarn/inch	7~15
	Weaving Width	cm	60~110
Loom Body	No. of Shuttle	EA	6
Creel Stand	No. of Spindle	SP	792 (4)
Bobbin (Aluminum)	Inside Diameter	mm	35
	Length	mm	218
Electric Equipment	Power Supply	AC 220V or 380V, 50Hz or 60Hz	
	Main Drive	7.5HP, 4P	

#.Specification and drawing is changeable for the improvement of function.

# CIRCULAR WEAVING LOOM (6 - SHUTTLES) FOR F.I.B.C P.P WOVEN BAG

**WCL-130**



## · OPEN DIVIDER



Cut straight of tubular cloth with heating cutter, then winds it to flat cloth.

This loom is designed weave endless tubular or flat cloth with open divider out of PP tapes. The products used for flexible intermediate bulk containers, tarpaulin, and packing materials and so on.



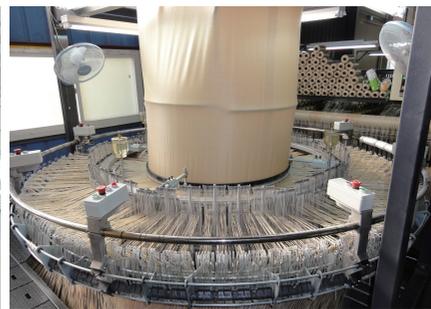
## · SPECIFICATIONS

Item	Model	Unit	WCL-130	WCL-170
General	Material		P.P Flat Yarn	
	Denier of Yarn	Dr	700~1600	700~1600
Basic Data	Weaving Speed	R.P.M	max. 140	max. 120
	Weft Density	Yarn/inch	7~15	7~15
	Weaving Width	cm	80~130	130~170
Loom Body	No. of Shuttle	EA	6	6
Creel Stand	No. of Spindle	SP	1152(6)	2280 (6)
Bobbin (Aluminum)	Inside Diameter	mm	35	35
	Length	mm	218	218
Electric Equipment	Power Supply		AC 220V or 380V, 50Hz or 60Hz	
	Main Drive		10HP, 6P	15HP, 6P

#.Specification and drawing is changeable for the improvement of function.

# JUMBO CIRCULAR WEAVING LOOM (8 - SHUTTLES) FOR BULK CONTAINER BAG

**WCL-200**



## · SPECIFICATIONS

Item	Model	Unit	WCL-200	WCL-220
General	Material		P.P Flat Yarn	
	Denier of Yarn	Dr	1000~2000	1000~2000
Basic Data	Weaving Speed	R.P.M	80~100	80~100
	Weft Density	Yarn/inch	7~15	7~15
	Weaving Width	cm	160~200	170~220
Loom Body	No. of Shuttle	EA	8	8
Creel Stand	No. of Spindle	SP	2560 (8)	2880 (8)
Bobbin (Aluminum)	Inside Diameter	mm	35	35
	Length	mm	218	218
Electric Equipment	Power Supply		AC 220V or 380V, 50Hz or 60Hz	
	Main Drive		20HP, 6P	20HP, 6P

#.Specification and drawing is changeable for the improvement of function.

# CIRCULAR WEAVING LOOM WITH LINER (4 SHUTTLES)

**WCL-80L**



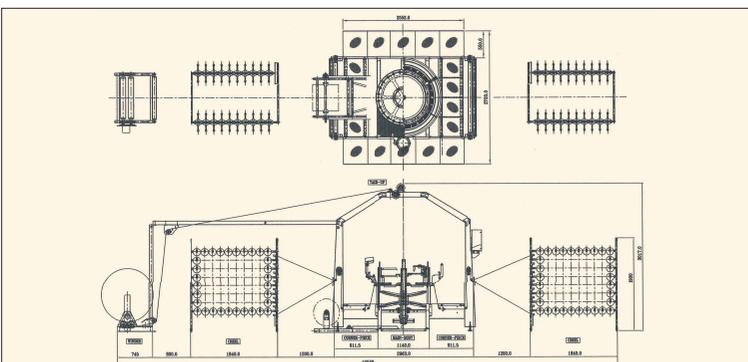
This loom is specially designed to insert 2-layer blown film while weaving tubular cloth.

These are laminated on the Inside Laminator(WIL-60) and used to water-proof bag such as sugar fertilizer, resin and cement bags.



P.E FILM INSERTING DEVICE

## · LAYOUT OF WCL-80L



## · SPECIFICATIONS

Item	Model	Unit	WCL-80L
General	Material	P.P Flat Yarn	
	Denier of Yarn	Dr	700~1600
Basic Data	Weaving Speed	R.P.M	max. 220
	Weft Density	Yarn/inch	7~15
Loom Body	Weaving Width	cm	30~80
	No. of Shuttle	EA	4
Creel Stand	No. of Spindle	SP	640 (4)
Bobbin (Aluminum)	Inside Diameter	mm	35
	Length	mm	218
Electric Equipment	Power Supply	AC 220V or 380V, 50Hz or 60Hz	
	Main Drive		7.5HP, 6P

#.Specification and drawing is changeable for the improvement of function.



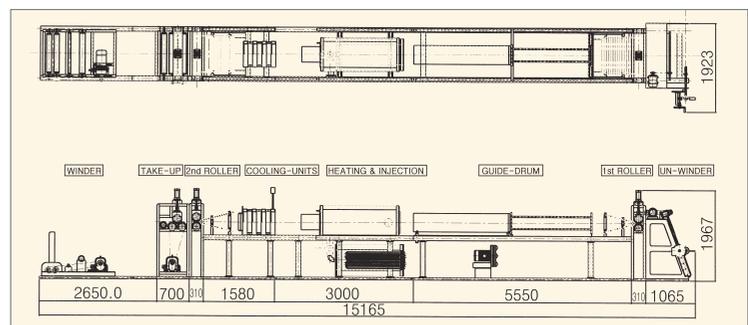
This machine is designed for producing P.P woven inside laminating bags by hot pressure air and air cooling system which is used for water-proof bags such as packing for sugar, chemicals, flour, fertilizer and so on.

## · SPECIFICATIONS

Item	WIL-60
Material	2-layer Blown Film Inserted PP Woven Fabric
Laminating Range	40~60cm
Capacity	22~30m/min
Film Thickness	25~40 micron
Power Supply	220V or 380V, 50Hz or 60Hz
Power Consumption	86KW

#. Specification and drawing is changeable for the improvement of function.

## · LAY-OUT OF WIL-60

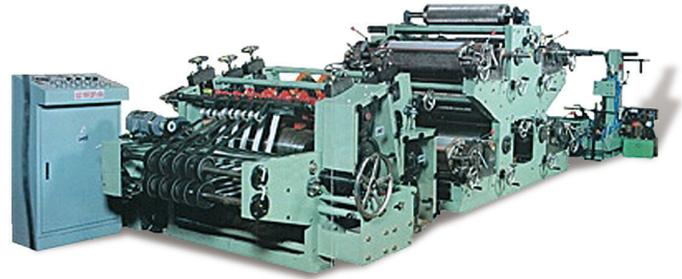


# PRINTING, CUTTING & SEWING LINE

## · HIGH QUALITY 4 COLORS PRINTING & CUTTING MACHINE (SPC-4)

Capacity	60~120 tubes/Min.
Tube width	800mm
Tube length	1,100mm
No. of color	Double faces : 2 and 2 colors
No. of color	Single face : 1~4 colors
Cutting	Rotary heat cutting
Dimension (W×H×L)	1,950×2,550×9,750mm

#. Specification and drawing is changeable for the improvement of function.



## · PRINTING & CUTTING MACHINE (KPC-4)

This machine is designed to print P.P circular woven tubes with 4 colors on single face or 2 colors on the both faces.

Capacity	50~105 tubes/min.(max.)
Tube width	350~750mm
Tube length	550~1,250mm
No. of color	Double faces : 2 and 2 colors
No. of color	Single face : 1~4 colors
Cutting	Rotary heat cutting
Stacker	300 bags/max.
Dimension (W×H×L)	2,200×3,500×15,800mm

#. Specification and drawing is changeable for the improvement of function.



## · 2 COLORS PRINTING MACHINE (KPP-2)

This machine is manual feed printing machine for special bag like P.P woven, kraft paper, PE bag etc.

Capacity	25~40 tubes/Min.(max.)
Feeding Type	Grip vertical type
Tube Width	300~800mm
Tube Length	500~1,200mm
No. of Color	Single face : 1~2 colors
Main motor	3Hp (Variable speed type)
Net weight	Approx 1,300kgs
Dimension (L×W×H)	3,250×1,400×1,350mm

#. Specification and drawing is changeable for the improvement of function.

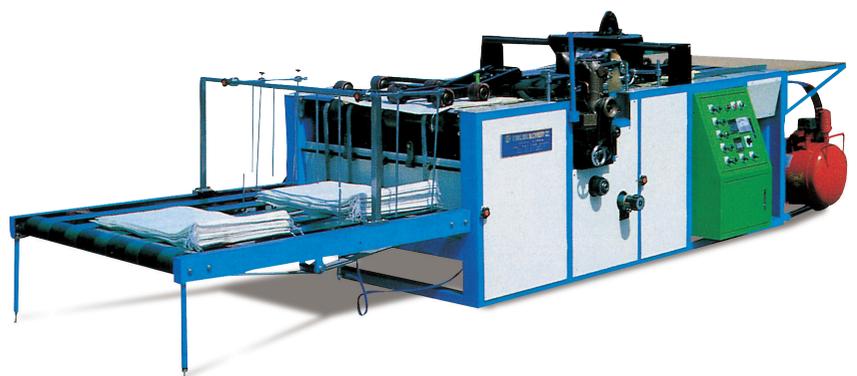


## · AUTO FOLDING & SEWING MACHINE (KSM-106)

This machine performs to sew P.P woven bag with folding of the bottom.

Machine speed	20~35 bags/Min.(max.)
Sewing machine head	Model DN-2HS
Automatic stacker & counter	50 Bags
Tube width	350~750mm
Tube length	500~1,060mm
Folding length	25~30mm
Bottom folding	Trumpet type
Thread cutting	Reciprocating type
Compressor	1.5kw
Total power	3.4kw
Dimension (L×W×H)	5,100×1,550×1,250mm

#. Specification and drawing is changeable for the improvement of function.



### · CUTTING, PRINTING & SEWING MACHINE (HD-CPS 85)-2COLORS

Once the woven roll is loaded, it is cut automatically. By operating the printing program switch after attaching the rubber plate for single-color printing to an exact position, the cut roll goes through the printing process. After being printed, it is sewn up into a bag and stacked. This system makes it possible to save labor costs and to make uniform products. Printing is depended on the with of bag. This patented system of three-stage printing roller type provides longer service life and clear printing.

Machine Speed	max. 15~25 bags/min.
Sewing Head	Model DN-2HS
Automatic Stacking	0~100 bags
Cutting Type	Nichrome wire cutting
Tube Width	350~850mm
Cutting Length	500~1250mm
Power Consumption	11kW
Weight	2200kg
Length Setting Type	Servo control

#. Specification and drawing is changeable for the improvement of function.



### · CUTTING & SEWING MACHINE (HD-CS 85)

Once the woven roll is loaded, it is cut in preset length as programmed. The cut roll is sewn up by the lower sewing machine into a bag while being fed vertically, and the sewing thread is cut off automatically. Then, the bag is stacked. This system provides excellent performance.

Machine Speed	max. 15~25 bags/min.
Sewing Head	Model DN-2HS
Automatic Stacking	0~100 bags
Cutting Type	Nichrome wire cutting
Tube Width	350~850mm
Cutting Length	500~1250mm
Power Consumption	9kW
Weight	1500kg
Length Setting Type	Servo control

#. Specification and drawing is changeable for the improvement of function.



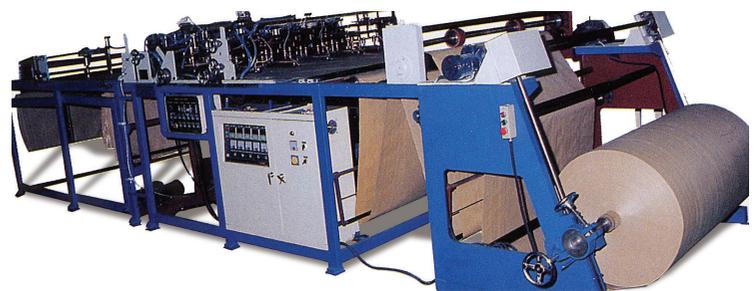
## CONTAINER BAG FINISHING LINE

### · BIG BAG CUTTING MACHINE

This machine is the cutting machine for big size container bag. It is for cutting of Jumbo-circular woven fabric and P.P woven by water jet loom and side(open) cutting of tubular fabric.

Capacity	4~7 Sheets/min.
Cloth weight	2000kgs/max.
Roll lifting	Screw Vertical Type
Cloth width	2,000 mm/max.
Cutting length	2,400 mm/max. (Heat Cutting)
X. Cutting	300~600 mm/max.
O. Cutting	300~450 mm/max.
Tube edge Cutting	410 mm/max.
Stacking	50 Sheets/max.

#. Specification and drawing is changeable for the improvement of function.



### · BIG BAG SEMI-AUTOMATIC PRINTING MACHINE (CPM-200)

This machine is printing machine for container bag and has special technical features allowing printing roller to revolve 360 forward and backward during printing.

Print	Flexographic
Capacity	7~20 Tubes/min.
Feeding Type	Cam & Horizontal Type
Tube Width	600~2,000mm(max.)
Tube Length	850~2,000mm(max.)
No. of color	Single faces 3 colors
Print Position	Differential gear box
Compressor	1.5kW
Air Cylinder	80×20st
Main Motor	3.75kW V.S
Dimension (L×W×H)	7,500×2,500×1,450mm

#. Specification and drawing is changeable for the improvement of function.



# EXTRUSION LAMINATOR

## · TANDEM EXTRUSION LAMINATOR FOR CEMENT BAG



This machine is designed to produce cloths for packages such as cement bag and material bag, by coating P.P or P.E woven cloths or laminating kraft paper.

Cloth used	PE, PP Woven Cloth
Coating material	PE, PP Coating Grade
Working cloth width	800mm~1420mm
Diameter of primary extruding machine's screw / * Extrusion amount	115Ø , 300 kg / hr
Diameter of secondary extruding machine's screw / * Extrusion amount	75Ø , 100 kg / hr
Coating thickness	15µ -100µ
Machine speed	max. 150m/min.
Production speed	Normal 120m/min.
Motor for extruding machine	DC 75HP + 30HP

#. Specification and drawing is changeable for the improvement of function.

## · SINGLE & TANDEM EXTRUSION LAMINATOR



This machine is a tarpaulin coating machine consisting of a single side coating machine, a tandem machine for coating double sides at the same time, and a turning bar system for coating tubular corn bags.

Cloth used	PE, PP Woven Cloth
Coating material	PE, PP Coating Grade, Master Batch
Working cloth width	1800mm~2800mm
Diameter of primary extruding machine's screw / * Extrusion amount	130Ø, 480 kg / hr
Coating thickness	15µ -150µ
Machine speed	170m/min.
Production speed	max. 160m/min.
Motor for extruding machine	DC 125HP

#. Specification and drawing is changeable for the improvement of function.

# TUBING LINE

## · AUTOMATIC PLASTIC BAG TUBING LINE



Especially designed to convert Plastic (PP/HDPE) Woven Cloth Roll is to the center-pasted flush cut and notch tubes.

Item	Specification
Capacity	150~180 Tube/min.
Print Color	3~4 Color
Cutting Length(CL)	550~1200mm(Variable in half inch intervals)
TW (with side gusset 75mm formed)	350~510mm
TW (without side gusset)	350~585mm
Gusset Width(GW)	max. 200mm
Number of ply	1-2 plies
Main Drive Motor	18.5KW
Machine Dimension	Approx. L 25.8m×W 55m×H 3.45m

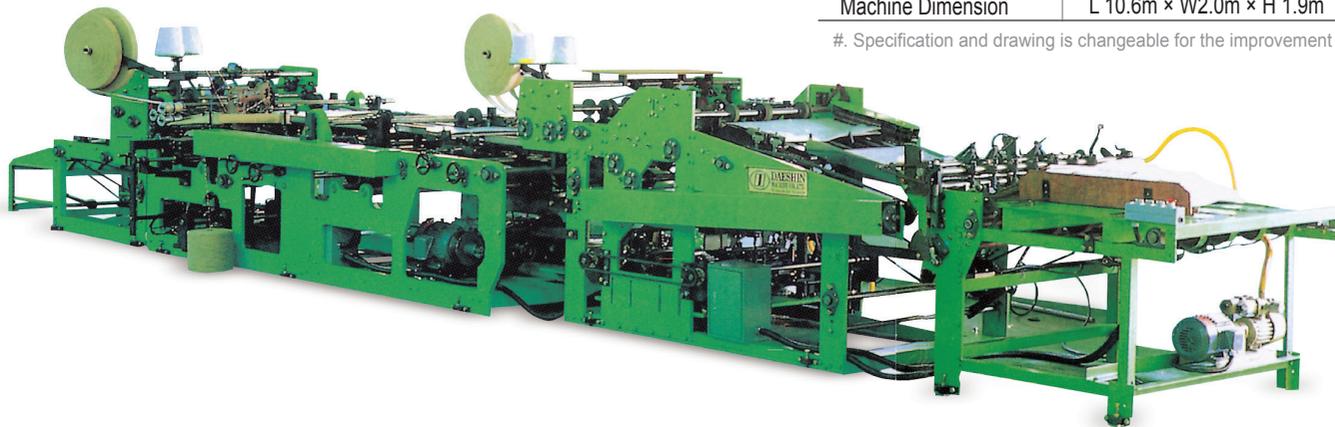
#. Specification and drawing is changeable for the improvement of function.

## · AUTOMATIC SEWING LINE FOR CEMENT BAGS

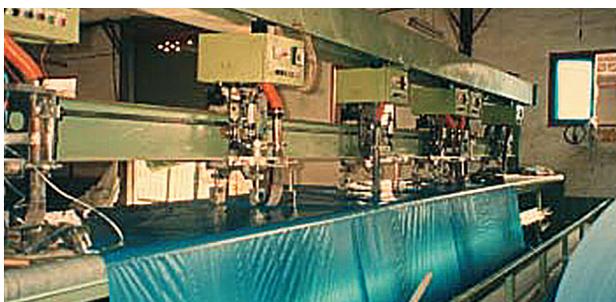
This bag sewing line includes a feeder, valve former, both-end sewing machine and counter stack and automates the bag marking process for improved quality of bag.

Item	Specification
Capacity	max. 45 bag/min.
Tube Length(TL)	620~850mm
Tube Width(TW)	420mm Fixed
Gusset Width(GW)	75mm Fixed
Tube Width(TW)	350~420 (Variable in half inch intervals)
Stitch Range	7-12mm
Number of ply	max. 6 plies
Main Drive Motor	3.7KW
Net Weight	Approx. 5tons
Gross Weight	Approx. 7tons
Machine Dimension	L 10.6m × W2.0m × H 1.9m

#. Specification and drawing is changeable for the improvement of function.



# WELDING MACHINE



Type	Hot Air Blowing
Welding Point	1 - Point
Welding Temperature	max.600°c
Total Power	7kw
Line Speed	30 ~ 40m/min.
Dimension(L×W×H)	L 900mm, W 800mm, H 7,185mm

# PE BLOWN FILM MACHINE

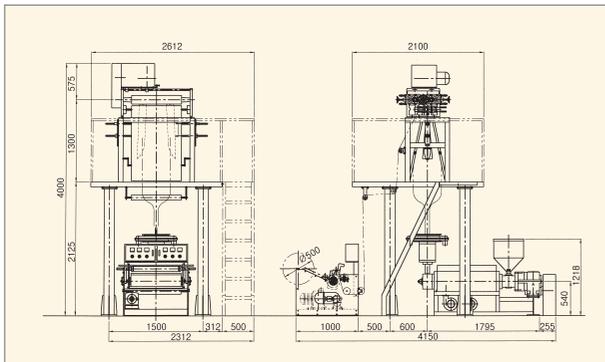


## · SPECIFICATIONS

Model	YJF-Ø50/800L
Screw Diameter	Ø50mm
Film Thickness	0.03~0.15mm
Film(roller) Width	700mm(800mm)
Production Capacity	max. 60Kg/hr
Main Motor	AC 30HP (standard)
Winder Type	Auto or Semi-auto Surface Winder
Power Consumption	3.5m x 2.5m x 4.5m

#. Specification and drawing is changeable for the improvement of function.

## · LAYOUT OF BLOWN FILM MACHINE



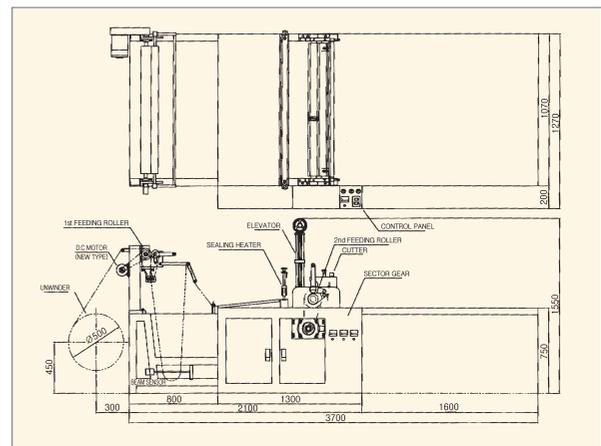
# SEALING & CUTTING MACHINE



## · SPECIFICATIONS

Model	TJ-901	
Main Frame	900	
Finished bag size	Bag width	max. 840mm
	Bag length	max. 1200mm
Applicable film	Kind of film	HDPE, LDPE, PP
	Film width	max. 840mm
	Thickness	0.008 ~ 01mm
Production rate	max. 100 Bags/min	
Power required	Main motor	AC 2HP
Machine dimension	Length	3500mm
	Width	1600mm
	Height	1500mm
Machine weight	Net	750
	Gross	850

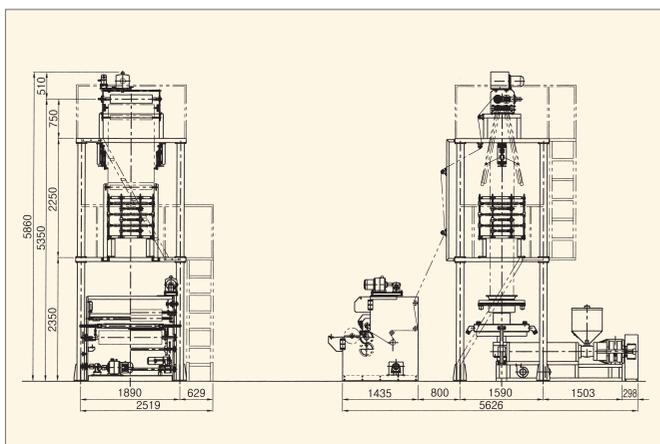
## · LAYOUT OF SEALING & CUTTING MACHINE



# 2-LAYER BLOWN FILM MACHINE



· LAYOUT OF 2-LAYER BLOWN FILM MACHINE



## · SPECIFICATIONS

Model	YJF-2-Ø60/Ø40-800L
Screw Diameter	Ø60mm & Ø40mm
Film Thickness	0.03~0.1mm
Film(roller) Width	700mm(800mm)
Production Capacity	max. 70Kg/hr
Main Motor	AC 40HP (standard), AC 10HP
Winder Type	Auto or Semi-auto Surface Winder
Power Consumption	5.3m x 3.3m x 6m

#. Specification and drawing is changeable for the improvement of function.

# PACKING MACHINE & OPTIONAL ITEM

**HYDRAULIC BALING PRESS (KHP-50M)** This machine is packing machine making a bundled 10 pcs each. It is controlled by wire rope and button switch.

Total working press	32 ton (210kg/cm)
One Bailleurs	100 Bags(max.)
Daylight	1,700mm
Stroke	1,100mm
Main motor	7.5 HP × 6P (5.5KW)
Packing capacity	300 bags/hour
Dimension(L×W×H)	1,200×1,750×3,800mm

#. Specification and drawing is changeable for the improvement of function.



## PRESS & BANDING MACHINE (WPB-50)

Dimension	(W)1940×(D)830×(H)2630mm
Strapping Speed	8 sec/ cycle
Strap Width	15, 18 mm
Package Size	(W)300-1030, (H)100-790, W/T 1000Kg
Power Supply	220/ 380V, 3PH, 50/60 Hz, 0.85KVA

#. Specification and drawing is changeable for the improvement of function.



## SEMI-AUTO DESK BANDING MACHINE

Dimension	(W)940×(D)640×(H)780
	W/T 112kg, Table(H) 1780
Strap Width	6, 9, 12, 15, 18mm
Package Size	Minimum (W)80×(H)30
Speed	4 Sec / Cycle
Power Supply	100 / 220V, 1PH, 50/60Hz, 0.63KVA

#. Specification and drawing is changeable for the improvement of function.



**MANUAL SEWING MACHINE** This machine is PP woven bag & paper sewing machine which is driven by clutch motor

Item	KM-640UBL
Appliaction	Heavy
Max. sewing speed	2,000
Stitch length[mm]	0~9
Needle	DPx17#22(DBx1#22)
Lubrication	Auto
Motor	Clutch motor
Lift of the presser foot[mm]	Hand-7 Knee-16
Hook	Drive type-Rotary Position-Vertical Size-x2

#. Specification and drawing is changeable for the improvement of function.



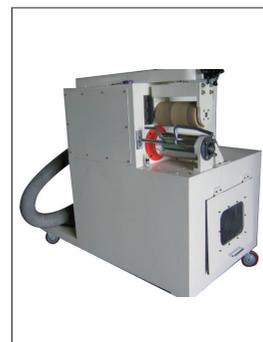
## OPTIONAL ITEM



TUBING MIXER



COOLING TOWER



START WINDER



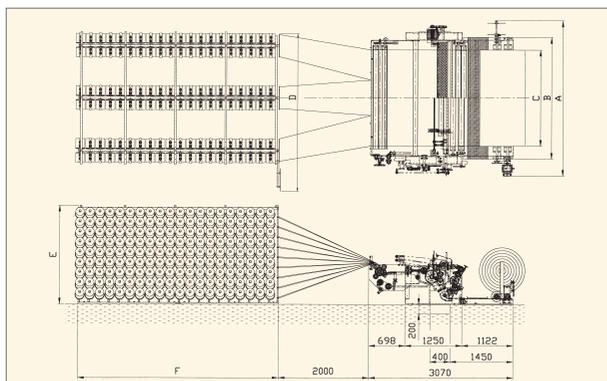
HAND TROLLEY

# WATER JET LOOM FOR P.P, P.E WOVEN CLOTH & TARPAULIN



① Weft Measuring Mechanism ② Creel Stand ③ Tarpaulin ④ Cement bag  
⑤ Container bag ⑥ PP bag

## · LAY-OUT OF WHL-SERIES



Section	Size(mm)				E	F
	A	B	C	D		
WHL-130	2,600	1,860	1,300	2,290	Buyer's Option	
WHL-150	2,800	2,060	1,500	2,290		
WHL-210	3,400	2,660	2,100	3,440		
WHL-260	3,900	3,160	2,600	3,440		

## · SPECIFICATIONS

Item	Model	Unit	WHL-130	WHL-150	WHL-210	WHL-260
Material			P.P or HDPE Flat Yarn			
Denier of Yarn	Dr		800~1600			
Mesh Density	Picks/Inch		7x7 ~ 16x16			
Weaving Width	mm (inch)		max.1300 (51.2)	max. 1500 (59)	max. 2100 (82.7)	max. 2600(102)
Production Speed						
Low Denier, Low Mesh	R.P.M		800~850	750~850	650~750	550~650
High Denier, High Mesh	R.P.M		600~700	600~700	550~600	450~500
Creel Stand	SP (array)		600(15x10x2x2)	600(15x10x2x2)	1080(20x9x3x2)	1320(22x10x3x2)
Power Supply			AC 220V or 380V, 50Hz or 60Hz			
Main Motor			3HP 4P	3HP 4P	5HP 4P	5HP 4P
Power Consumption	Kw/hr		4.5	4.5	5.5	5.5

#.Specification and drawing is changeable for the improvement of function.

## · CREEL STAND

- 1) Bobbin-Spindle : 35- 180, 35- 210, 50- 210
- 2) Arrangement :

WHL-130	600 spindles ( 2 lines 10 stairs 15 steps)
WHL-150	600 spindles ( 2 lines 10 stairs 15 steps)
WHL-210	1080 spindles (3 lines 9 stairs 20 steps)
WHL-260	1320 spindles (3 lines 10 stairs 22 steps)

## · ELECTRIC SPECIFICATION

	WHL 130, 150	WHL 210, 260
Main Motor	3HP 4P (2.2 Kw)	5HP 4P (3.75 Kw)
Winding Motor	30KG - Cm <sup>2</sup> ( Torque Motor )	
Input Voltage	AC 220V, 380V, 410V / 50Hz, 60Hz	
Power Consumption	4.5 KWH	5.5 KWH

Notice : This specifications are subject to change for user's requirement or vender's improvement without prior notice.

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