



MULTI-WALL PAPER BAG MAKING MACHINE

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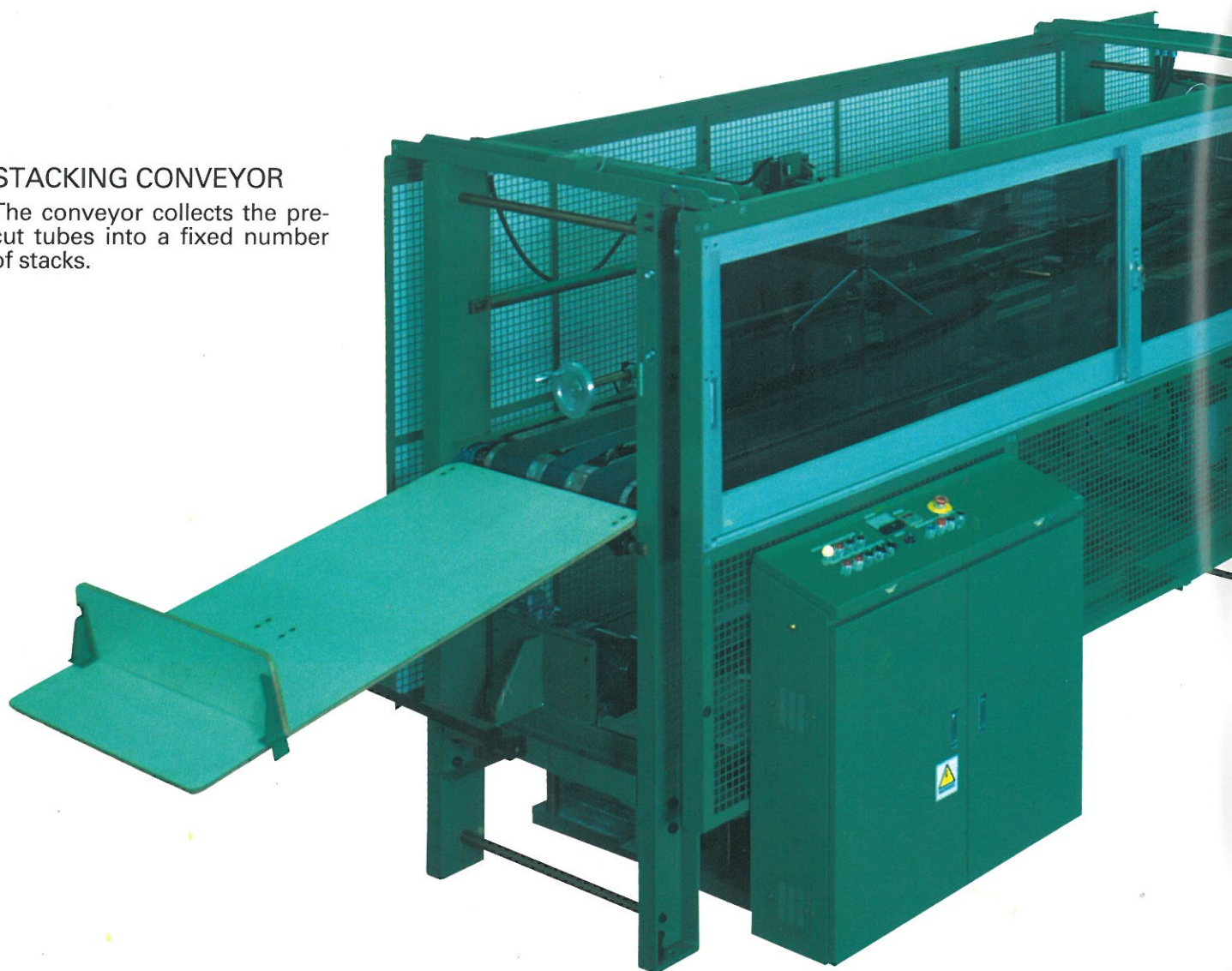
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STEPPED-CUT TUBER

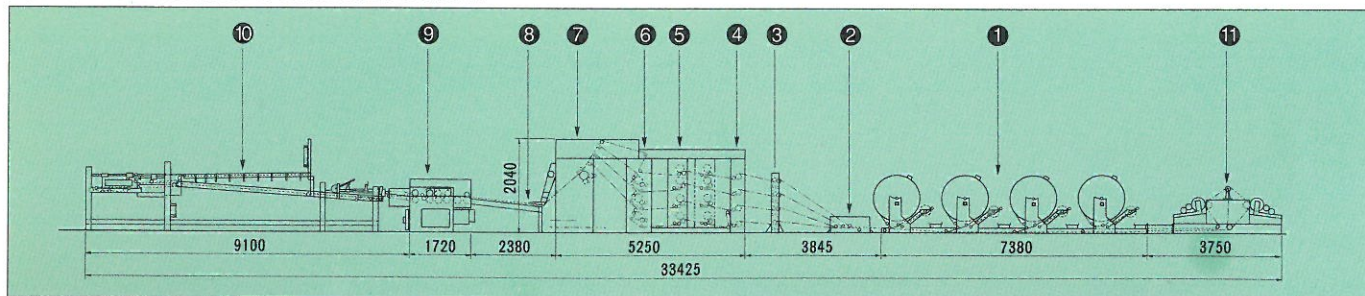
Model 500M/600M series multi-wall tuber is the stepped-cut tuber designed to minimize down time for tube size change and protect noise during operation. Model 600M-S series tuber is a universal type for availability of 4 kinds cutting methods. Conversion of paper laminated with PP/PE cloth also possible on 600M-S series at extra cost.

STACKING CONVEYOR

The conveyor collects the pre-cut tubes into a fixed number of stacks.



545M MACHINE CONSTRUCTION



① SEMI-AUTOMATIC PAPER ROLL STAND ④ WEB DRAWING UNIT ⑦ LONGITUDINAL PASTING UNIT ⑩ STACKING CONVEYOR

HWP-2000

TEAR-OFF UNIT

TYPE OF TUBE

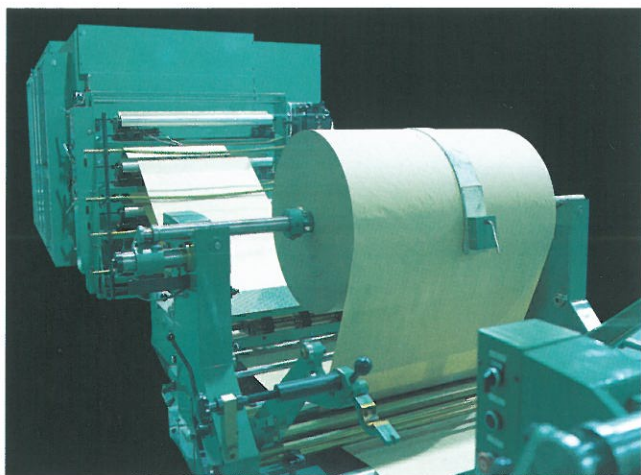
CL

A large industrial machine, likely a paper mill component, with a long conveyor belt and a large hopper, situated in a factory setting. The machine is primarily blue and green, with a long, angled conveyor belt extending from the right side towards the center. A large hopper or storage bin is visible on the right. The machine is surrounded by various pipes, structural beams, and other industrial equipment in the background. The floor is a light-colored concrete.

SPECIFICATIONS

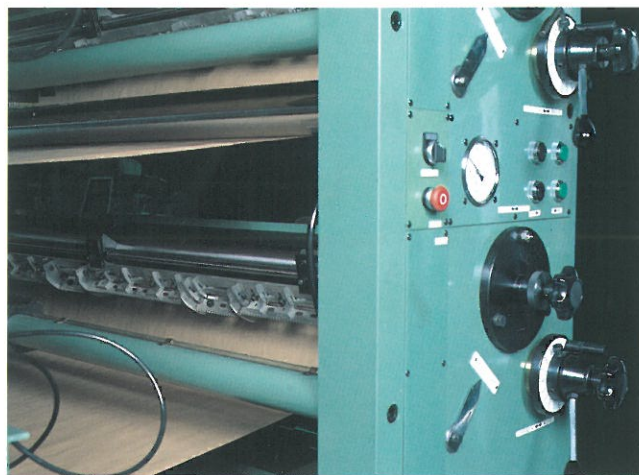
[illegible]

STEPPED-CUT TUBER



●PAPER ROLL STAND

The web can be changed during operation by using the manual web splicing unit. The web can be adjusted in the traverse direction even during operation.



●PERFORATING UNIT

The knife speed can be synchronized with the paper speed. The perforating unit can be moved in the running direction for adjustment to the cross pasting unit.



●E.P.C. (WEB GUIDE)

The E. P.C. automatically controls the web in traverse direction.

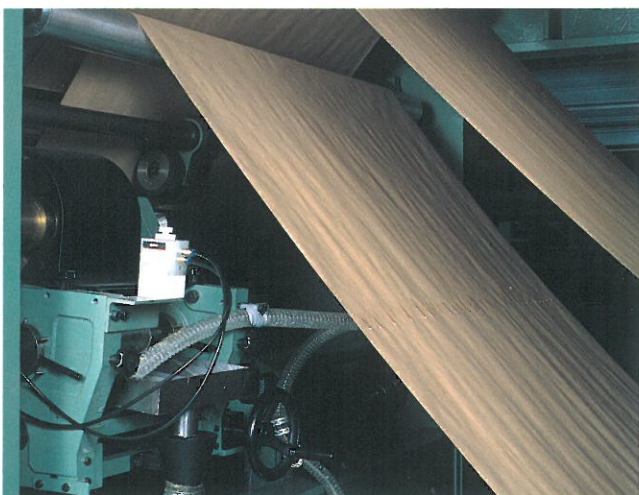


●CROSS PASTING UNIT

The pasting speed can be synchronized with the paper speed.



●WEB DRAWING UNIT



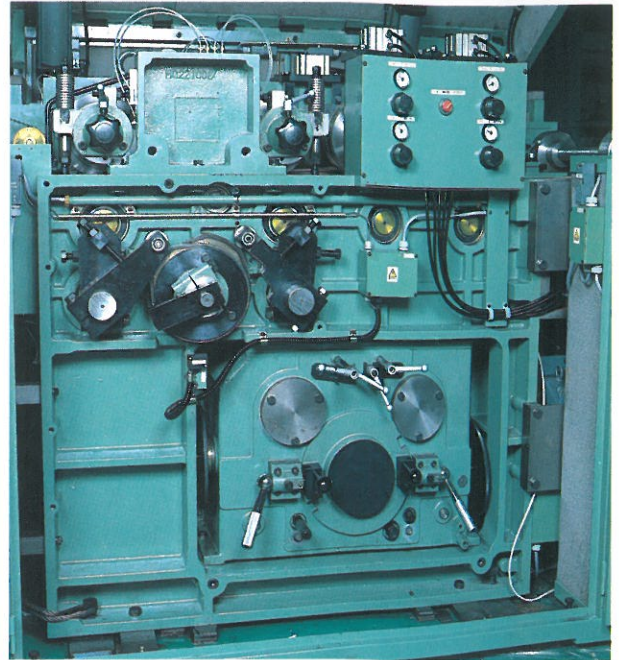
●LONGITUDINAL PASTING UNIT

500M



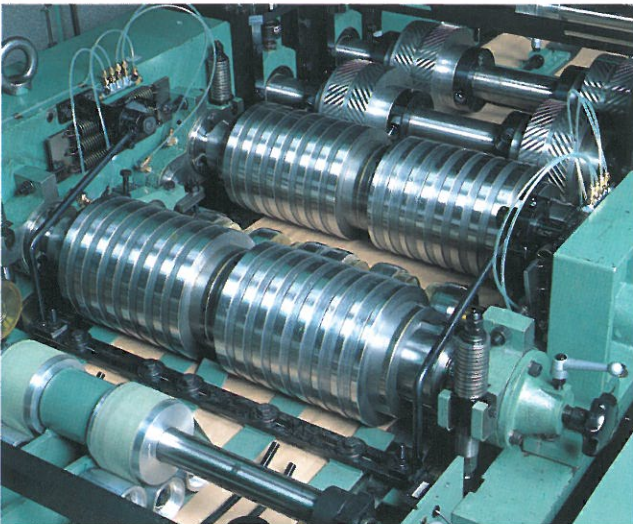
●TUBE FORMING UNIT

The forming unit forms flat tubes.

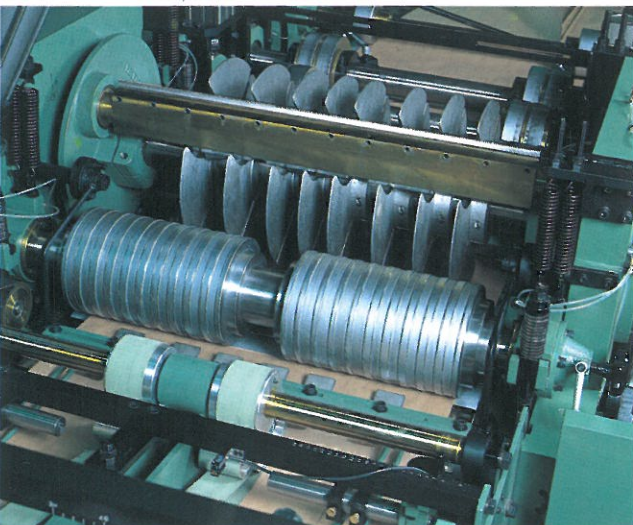


●TEAR-OFF UNIT

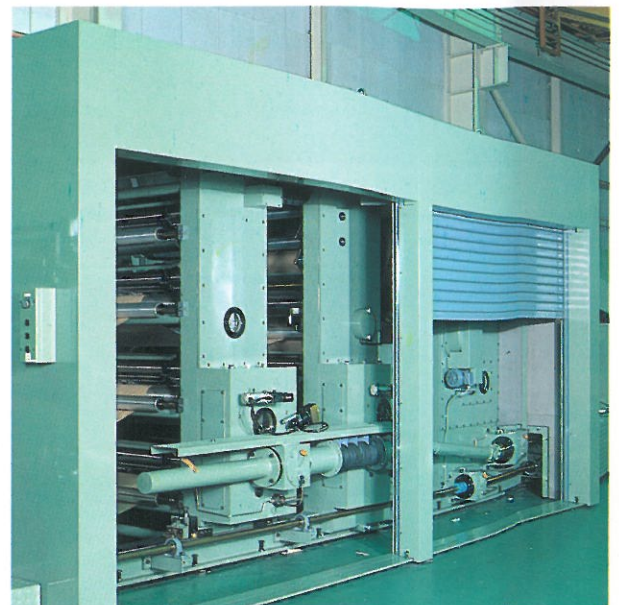
The cutting length can be selected by a combination of change gears.



●TEAR-OFF UNIT(STANDARD)



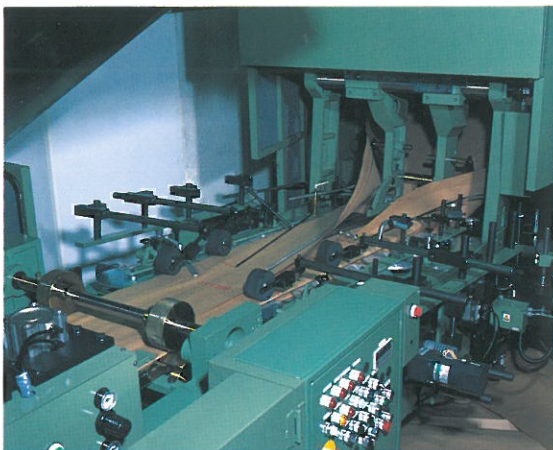
●TEAR-OFF UNIT WITH LIGHT CUT DEVICE



●NOISE PROTECTION AND SAFETY COVERS

NC SYSTEM FOR 500M SERIES

Following photos are just introduction of NC systems installed in Tuber 500M.
More wider application of NC system available at extra cost.



● FORMING PLATES AND FORMING ROLLERS
ADJUSTED ACCORDING TO TUBE WIDTH.



● CRANK DRIVE DEVICE OF CROSS PASTING
AND PERFORATION UNITS ADJUSTABLE.



● CROSS-WISE POSITIONING OF GLUE EDGES AND
GLUE APPLICATION VOLUME ADJUSTABLE.



● CROSS-WISE POSITIONING OF PERFORATION
KNIVES AND ALSO DISTANCE BETWEEN KNIFE



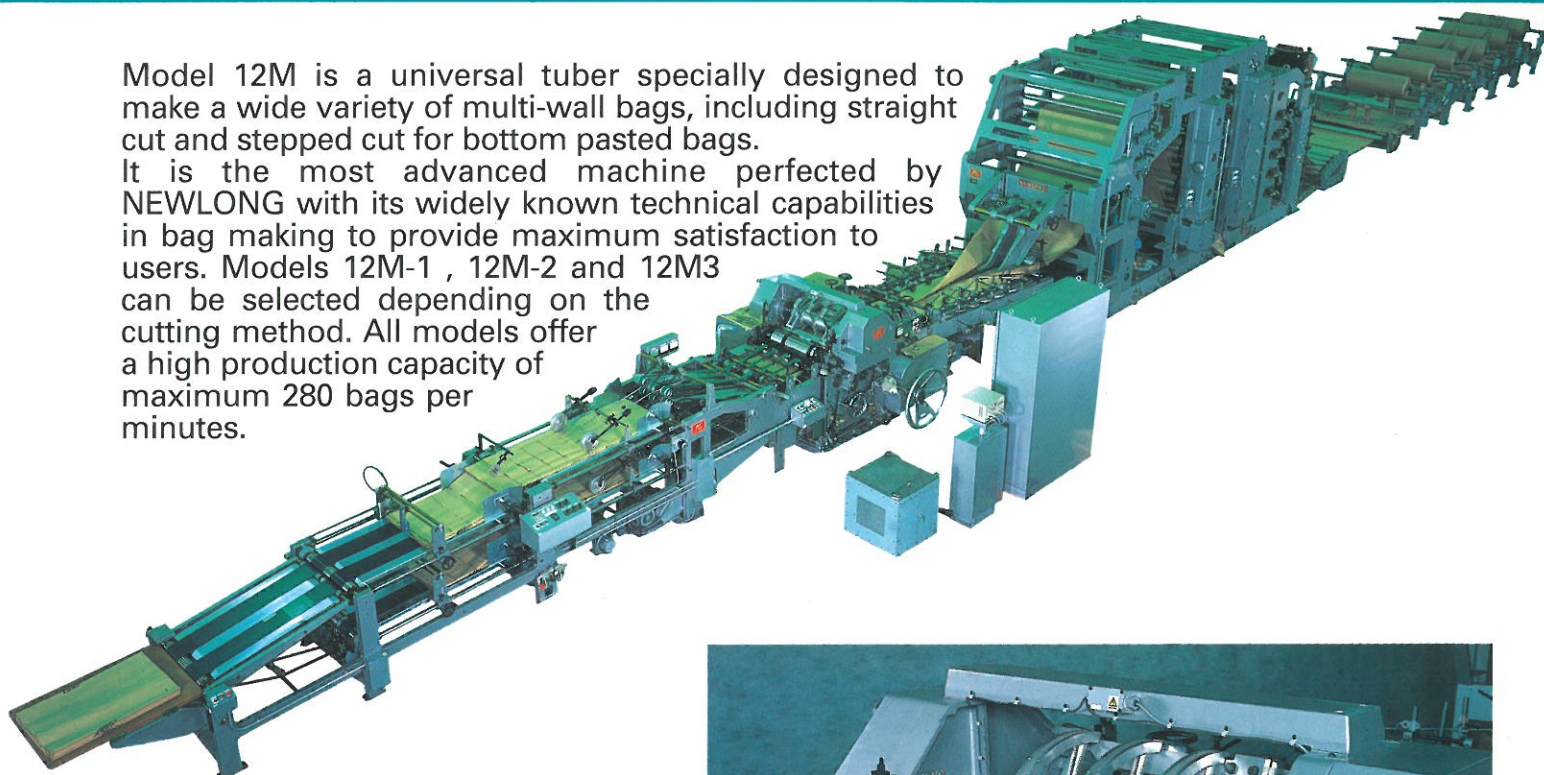
● PAPER WRAPPING ANGLE AROUND WEB
DRAW ROLLS ADJUSTED.

STEPPED-CUT TUBER

12M

Model 12M is a universal tuber specially designed to make a wide variety of multi-wall bags, including straight cut and stepped cut for bottom pasted bags.

It is the most advanced machine perfected by NEWLONG with its widely known technical capabilities in bag making to provide maximum satisfaction to users. Models 12M-1, 12M-2 and 12M3 can be selected depending on the cutting method. All models offer a high production capacity of maximum 280 bags per minutes.



TYPE OF TUBE

1. Flush-cut Tube (with or without gusset) → Printing Direction



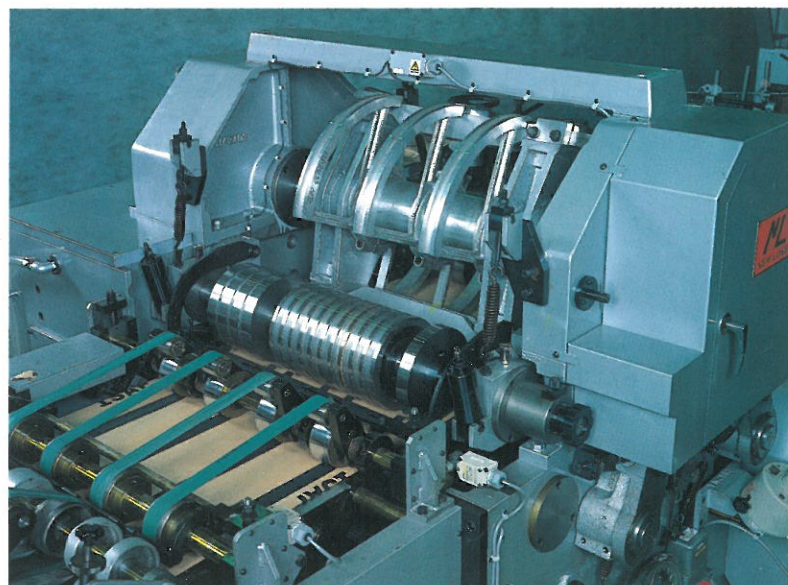
2. Economy-cut Tube



3. Open Mouth Cut Tube (bottom stepped, top straight-cut, with or without gusset)



4. Stepped-cut Tube (both-end stepped-cut, with or without gusset)



CUTTING UNIT

SPECIFICATIONS

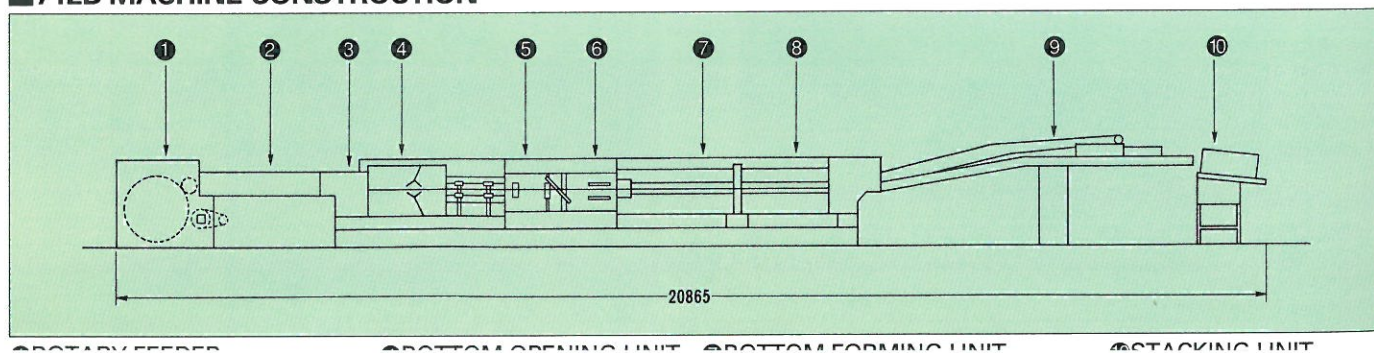
Model	12M-1	12M-2	12M-3
Capacity	Max. 280 tubes/min.*		
Type of Tube	types 1 to 4 as shown above		types 1 & 2 above
Cutting Length	(CL)	20~50"(508~1,270mm)**	
	(2CL)	20"×2~40"×2(1,016~2,032mm)	
Tube Width (gusseted)	(TW)	14½~19½"(368~495mm)	
Tube Width (flat)	(TW)	14½~27"(368~685mm)	
Gusset Width	(GW)	2½~7"(64~178mm)	
Valve Extension Height	(VH)	1"(25.4mm)	
Valve Extension Width	(VW)	2¼~3"(57~76mm)	
Number of Ply	Flush & Economy Cut Step & Open Mouth	6	6
		4	—
Paper Width	Max. 55"(1,400mm)		
Paper Roll Diameter	Max. 51"(1,300mm)***		
E.P.C.	6 units	4 units	(option)
Web Draw	for 6-ply	for 4-ply	for 6-ply
Cross Paste	for 6-ply	for 4-ply	—
Perforation	for 6-ply	for 4-ply	—
Main Drive Motor	22 KW	18.5 KW	
Machine Dimension	Approx. L39.5m×W3.7m×H3.0m****		
Net Weight (incl. printer)	Approx. 37 ton	Approx. 35 ton	Approx. 30 ton
Gross Weight (incl. printer)	Approx. 42 ton	Approx. 40 ton	Approx. 34 ton

CEMENT BAG BOTTOMER

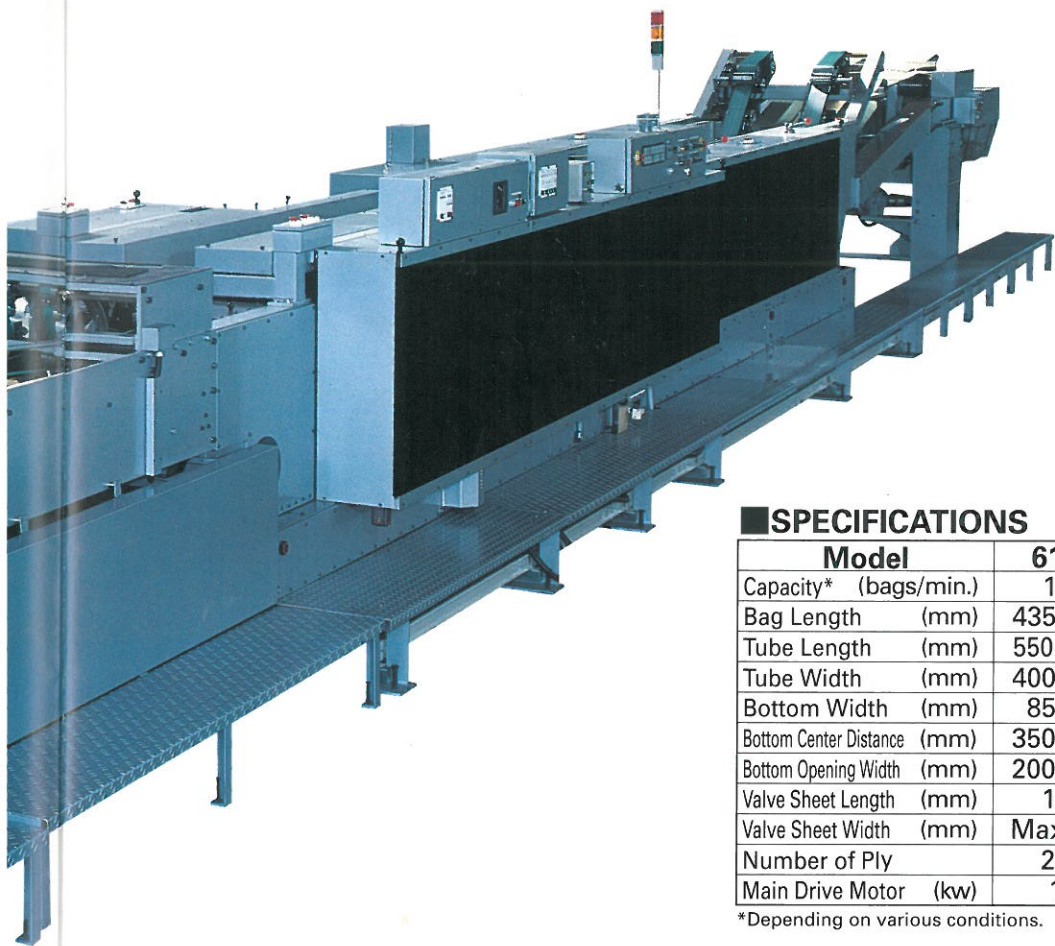
Model 712B/713B bottomer is a high-performance machine designed to make both-end pasted bags with a valve from the tubes made by the tuber. It houses the main drive section in the gear box and requires less maintenance, is easy to operate and provides very high throughput. Also the low cost version, Model 612B available as a sister machine.



712B MACHINE CONSTRUCTION



600/700B SERIES



Model 712B

SPECIFICATIONS

Model	612B	613B	712B	713B
Capacity* (bags/min.)	120	120	250	250
Bag Length (mm)	435~820	365~830	435~820	365~830
Tube Length (mm)	550~1,000	490~1,020	550~1,000	510~1,020
Tube Width (mm)	400~550	280~550	400~550	280~550
Bottom Width (mm)	85~120	85~130	85~120	85~130
Bottom Center Distance (mm)	350~700	280~700	350~700	280~700
Bottom Opening Width (mm)	200~300	230~320	200~300	230~320
Valve Sheet Length (mm)	140	80~220	140	80~220
Valve Sheet Width (mm)	Max.170	100~280	Max.170	100~280
Number of Ply	2~4	2~4	2~4	2~4
Main Drive Motor (kw)	11	11	15	15

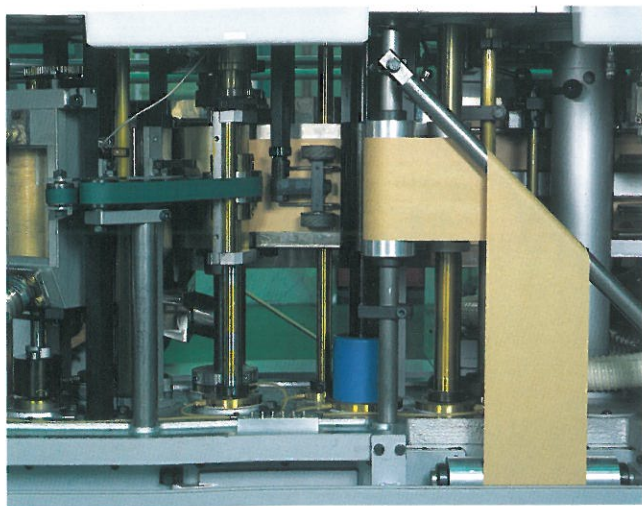
*Depending on various conditions.



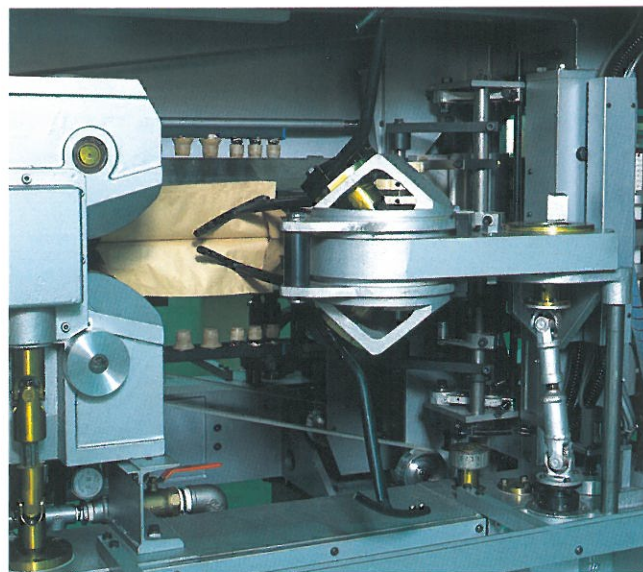
● BOTTOM PASTING UNIT

CEMENT BAG BOTTOMER

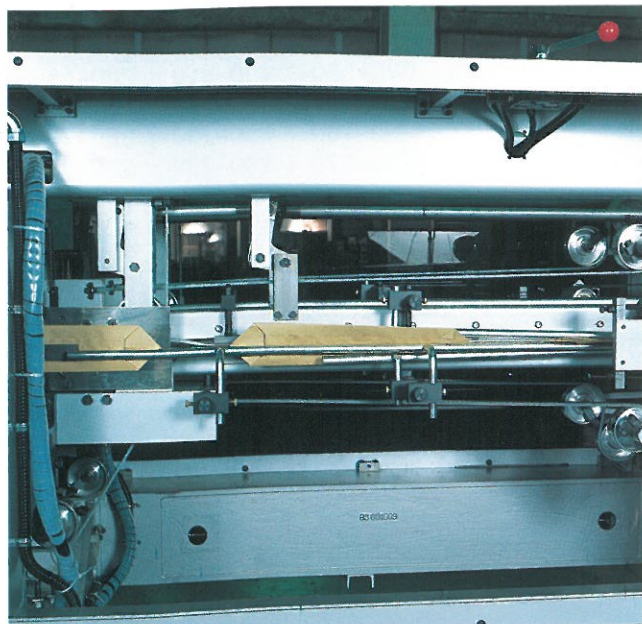
712B



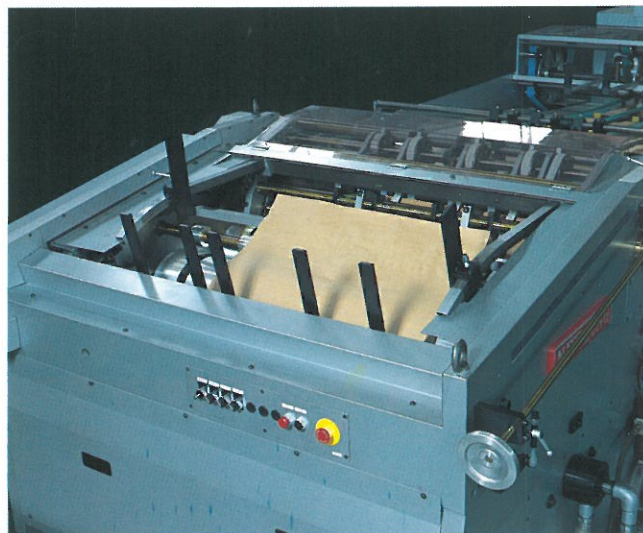
● VALVE UNIT



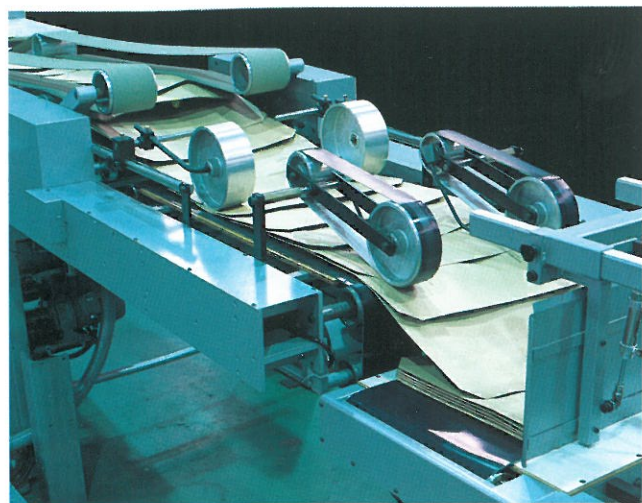
● BOTTOM OPENING UNIT



● BOTTOM FORMING UNIT

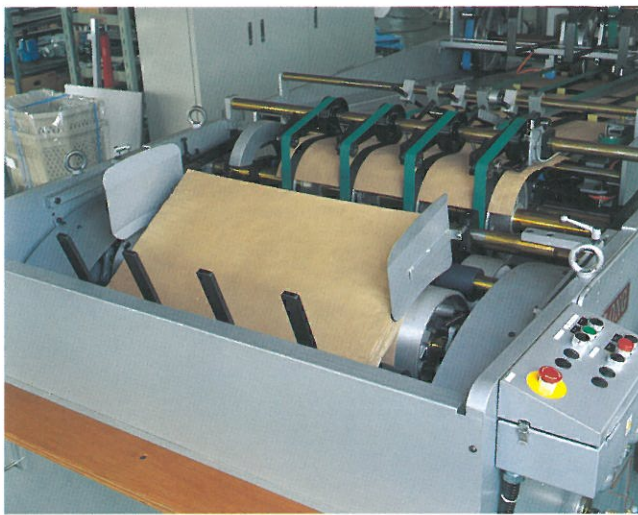


● ROTARY FEEDER

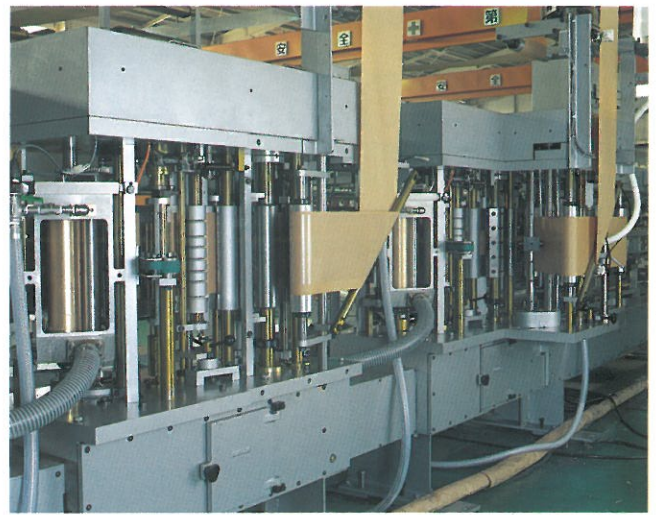


CEMENT BAG BOTTOMER

613B



● ROTARY FEEDER



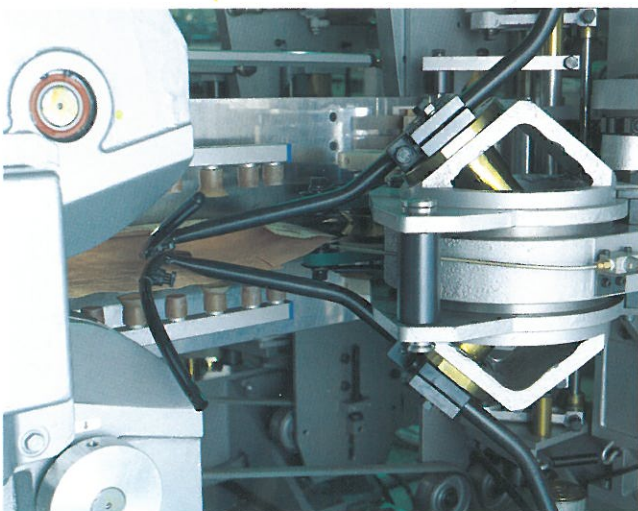
● VALVE UNIT



● TUBE ALIGNING UNIT

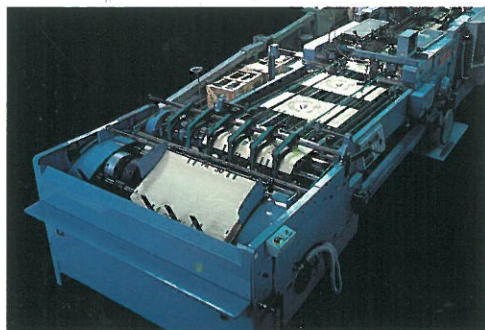
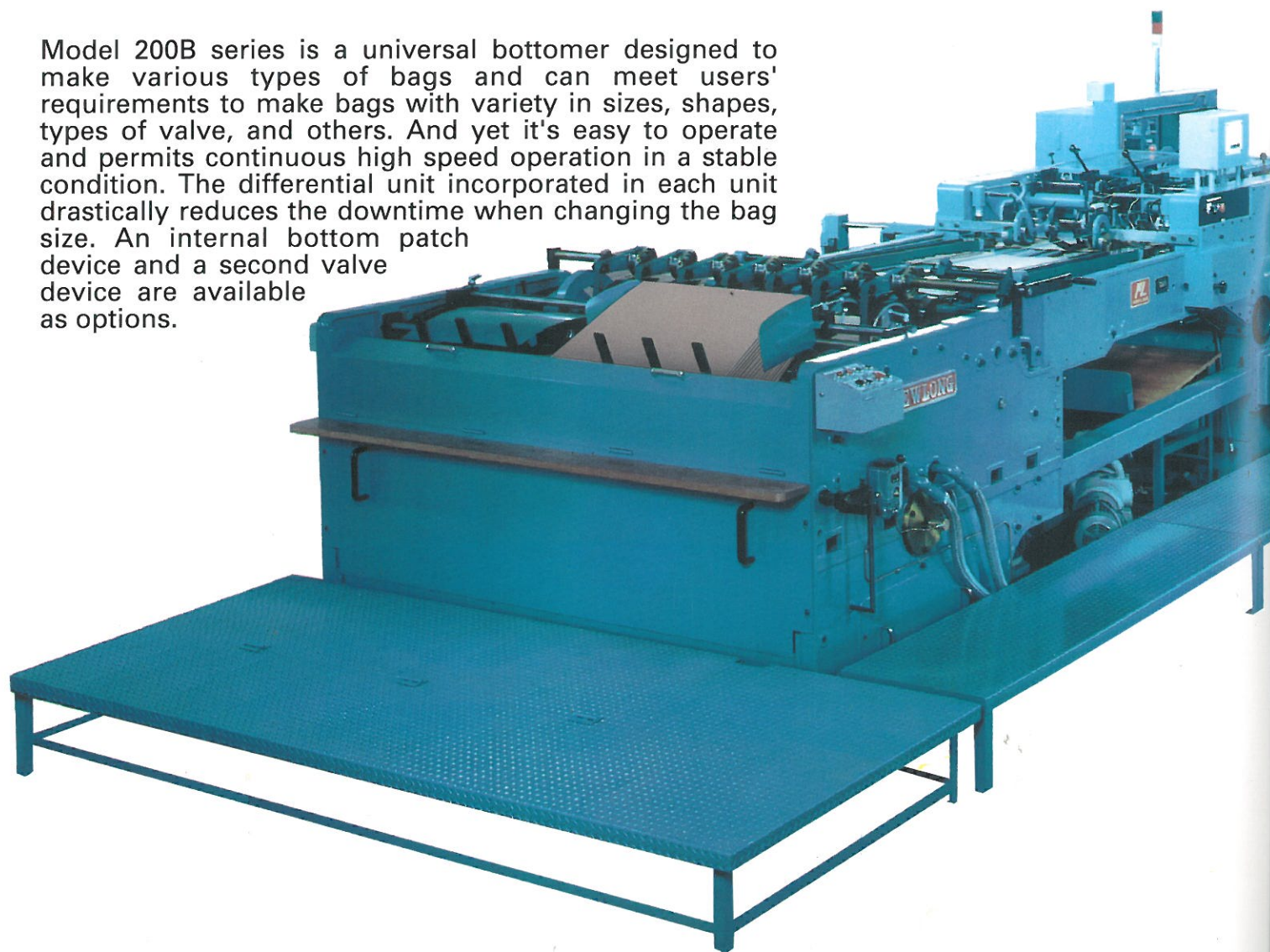


● BOTTOM PASTING UNIT

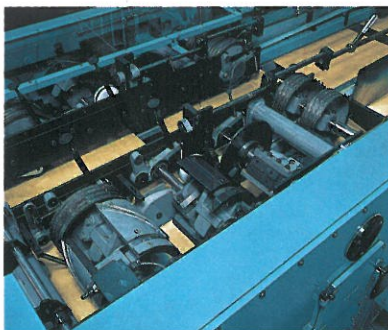


UNIVERSAL BOTTOMER

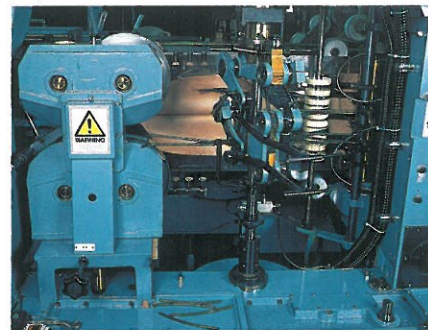
Model 200B series is a universal bottomer designed to make various types of bags and can meet users' requirements to make bags with variety in sizes, shapes, types of valve, and others. And yet it's easy to operate and permits continuous high speed operation in a stable condition. The differential unit incorporated in each unit drastically reduces the downtime when changing the bag size. An internal bottom patch device and a second valve device are available as options.



● ROTARY FEEDER AND
TUBE ALIGNING UNIT



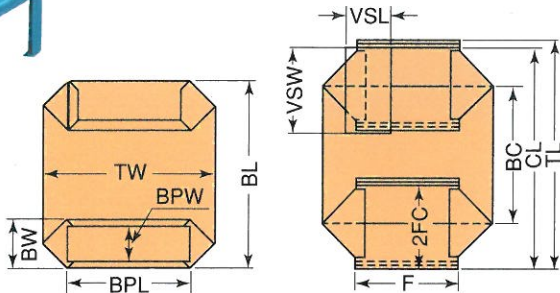
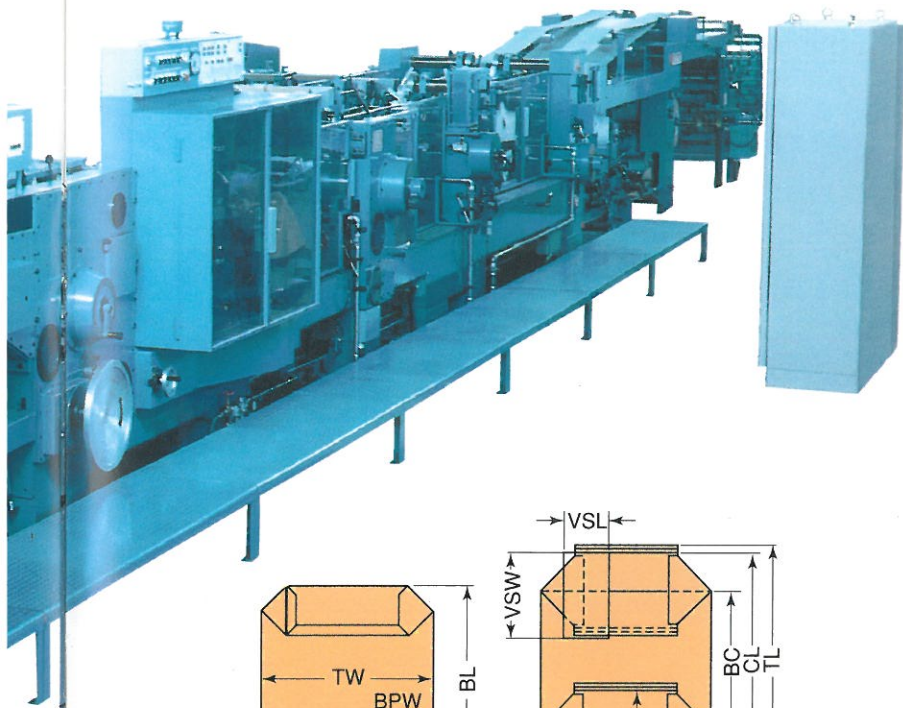
● CREASING UNIT AND
AIR HOLE DEVICE



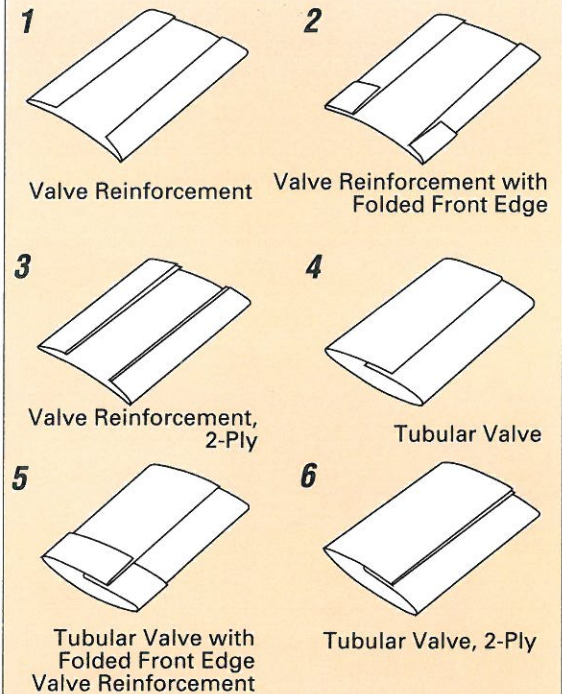
● BOTTOM OPENING UNIT



200B SERIES



TYPE OF VALVE



SPECIFICATIONS

Model	210B	213B	216B	220B	222B
Capacity* (bags/min.)	Max. 160	Max. 160	Max. 160	Max. 160	Max. 160
Bag Length ** (BL)(mm)	290~770	340~1,220	370~1,220	415~1,370	435~1,370
***	290~770	340~1,220	370~1,220	415~1,370	435~1,370
Tube Length(TL) In case of min. bottom width (mm)	370~800	450~1,280	480~1,280	540~1,500	560~1,500
In case of max. bottom width	510~800	620~1,400	660~1,400	850~1,640	870~1,640
Tube Width (TW)(mm)	280~500	300~700	300~700	350~700	350~700
Bottom Width ** (BW)(mm)	50~10	70~130	70~150	75~200	75~210
***	50~10	70~130	70~160	75~200	75~220
Bottom Center Distance (BC)(mm)	240~670	270~1,100	300~1,100	350~1,300	360~1,300
Bottom Opening Width (2FC)(mm)	130~270	180~320	180~360	200~460	200~480
Valve Sheet Length (VSL)(mm)	90~250	90~250	90~250	90~290	90~290
Valve Sheet Width (VSW)(mm)	Max. 230	Max. 300	Max. 350	Max. 420	Max. 460
Bottom Patch Length (BPL)(mm)	180~500	180~600	180~600	180~600	180~600
Bottom Patch Width (BPW)(mm)	Max. 100	Max. 150	Max. 180	Max. 210	Max. 210
Number of Ply	Max. 6	Max. 6	Max. 6	Max. 6	Max. 6
Main Drive Motor (kw)	15	15	15	15	15

*Depending on various conditions.

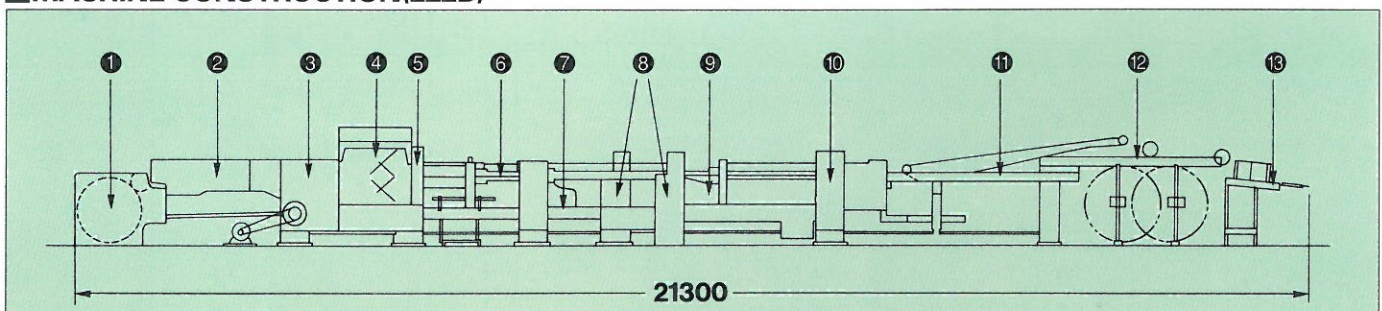
**in case of stepped-cut tubes.

***in case of flush-cut tubes.

Two-color flexographic printer available as option for bottom patch.

Note : internal Bottom Patch Device for shift-proof Second Valve Device and other types of Valves besides flat and pocket valves available at extra cost.

MACHINE CONSTRUCTION(222B)



1 ROTARY FEEDER

4 BOTTOM OPENING UNIT

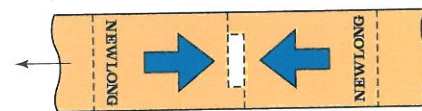
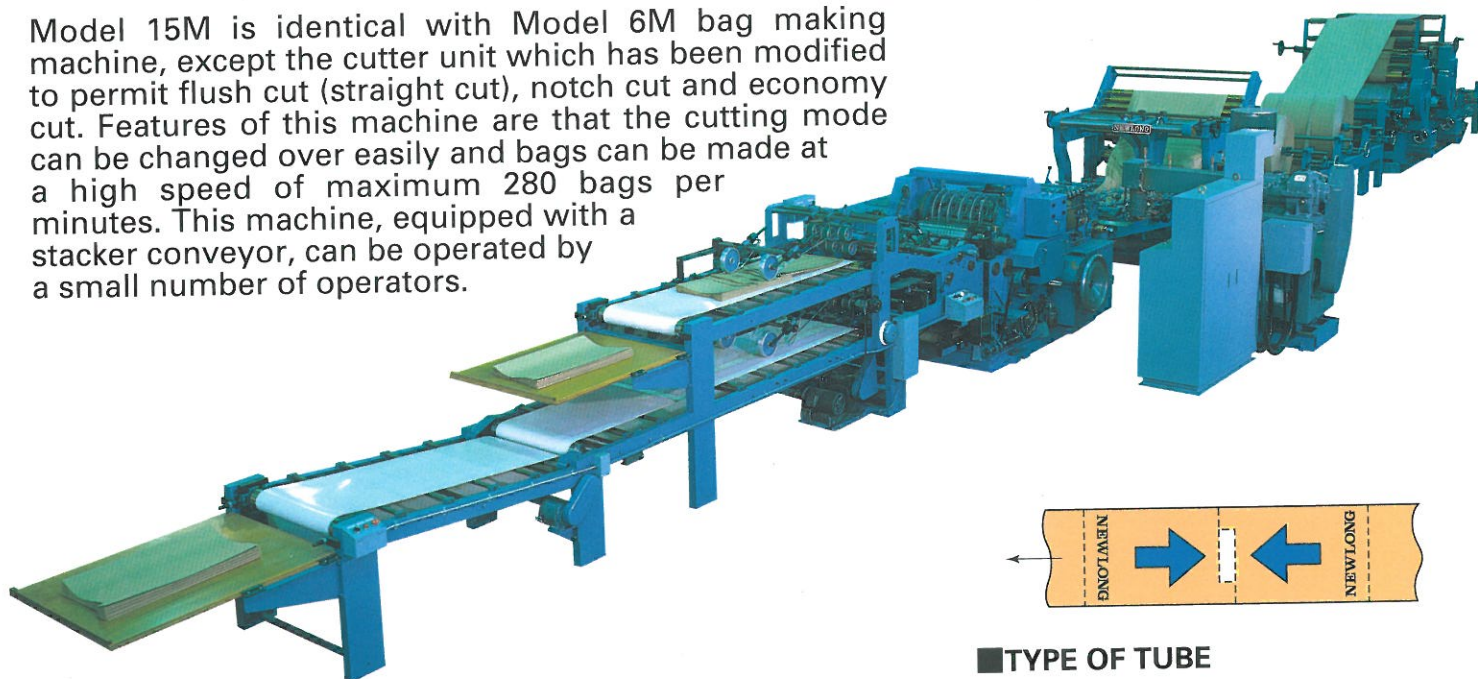
7 VALVE UNIT

10 BOTTOM PATCH UNIT

13 STACKING UNIT

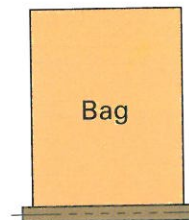
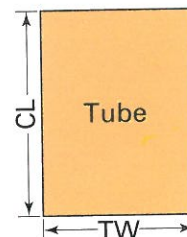
MULTI-WALL PAPER BAG MAKING MACHINE 15M

Model 15M is identical with Model 6M bag making machine, except the cutter unit which has been modified to permit flush cut (straight cut), notch cut and economy cut. Features of this machine are that the cutting mode can be changed over easily and bags can be made at a high speed of maximum 280 bags per minutes. This machine, equipped with a stacker conveyor, can be operated by a small number of operators.

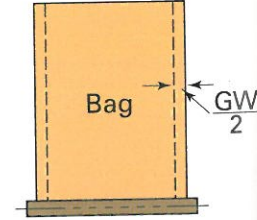
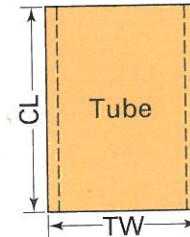


TYPE OF TUBE

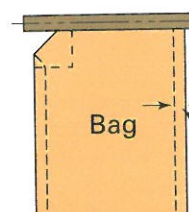
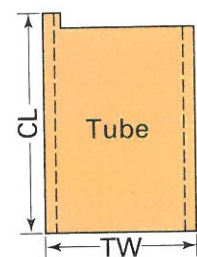
(1) Flat Open Mouth Tube



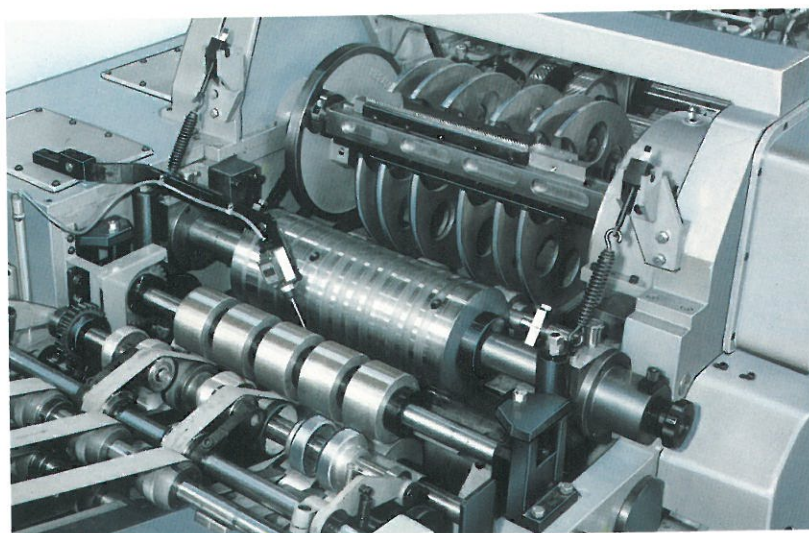
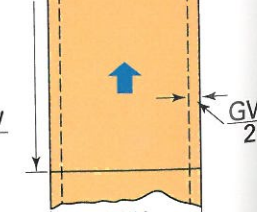
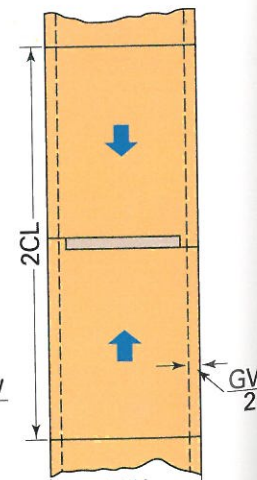
(2) Gusset Open Mouth Tube



(3) Gusset Valve Notch Cut Tube



(4) Gusset Valve Economy Cut



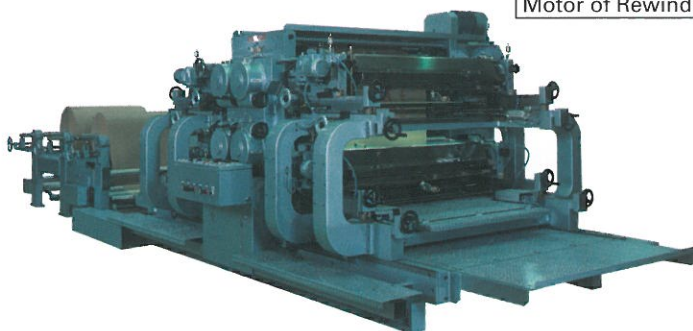
SPECIFICATIONS

Model	15M
Capacity* (tubes/min.)	Max. 250
Cutting Length**	20"~43" (508~1,092mm) 20"×2~40"×2 (1,016~2,032mm)
Tube Width (gusset)	14 1/2"~19 1/2" (368~495mm)
Tube Width (flat)	14 1/2"~23 1/2" (368~597mm)
Gusset Width	2 1/2"~6" (50~152mm)
Valve Extension Height	1~2" (25~51mm)
Valve Extension Width	2 1/4"~3" (57~76mm)
Number of Ply	upto 6
Paper Width	Max.48" (1,220mm)
Paper Roll Diameter***	39 1/2" (1,000mm)
Main Drive Motor (kw)	18.5
Machine Dimension (m)	Approx. L30.0×W2.8×H2.6
Net Weight (ton)	Approx. 21.5
Gross Weight (ton)	Approx. 26.0
Measurement (cft)	Approx. 3,200

FLEXOGRAPHIC PRINTER

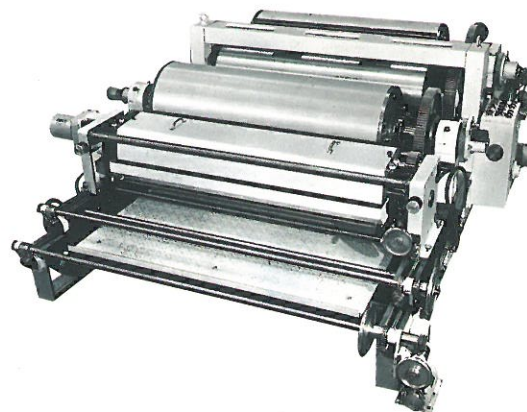
FB-6+6R-2

FB+R series is printer complete with rewinder and unwinder. Aniline ink and water based ink are available with the machine for max. 4 colors printing.



■ SPECIFICATIONS

Model	FB-3	FB-4W	FB-6
Capacity (Max. m/min.)	150	150	150
Type of Print	Single print	Double print	Single print
Printing Width	Max. 48" (1,220mm)	Max. 48" (1,220mm)	Max. 48" (1,220mm)
Printing Length*	20~43" (508~1,092mm)	25"×2~36"×2 (635×2~914.4×2mm)	20~43" (508~1,092mm)
Print Length Pitch	$\frac{1}{2}$ " (12.7mm)	$\frac{1}{2}$ " (12.7mm)	$\frac{1}{2}$ " (12.7mm)
Paper Width	Max. 52" (1,320mm)	Max. 52" (1,320mm)	Max. 52" (1,320mm)
Paper Roll Diameter (mm)	Max. 1,200mm	Max. 1,200mm	Max. 1,200mm
Ink, Number of Color	4 in oil ink	4 in water based ink	4 in water based ink
Machine Drive Motor (kw)	7.5	—	7.5
Motor of Rewinder (kw)	11	11	11



FD SERIES

Model 3FD printer is designed for direct coupling with 500M series Tubers. Model FD, 2FD, are complete with type 8R rewinder for independent printing operation.

■ SPECIFICATIONS

Model	FD	2FD	3FD
Capacity (m/min.)	150	160	200
Type of Print	Single & double print	Single & double print	Single print
Printing Width	Max. 48" (1,220mm)	Max. 48" (1,220mm)	Max. 1,100mm
Printing Length Single* (mm)	508~1,092(12.7)**	508~1,092(12.7)**	600~1,000(10)**
Printing Length Double* (mm)	[508~1,062]×2(25.4)**	[508~1,016]×2(25.4)**	—
Paper Width	Max. 55" (1,400mm)	Max. 56 $\frac{1}{4}$ " (1,430mm)	Max. 1,150mm
Paper Roll Diameter (mm)	1,300	1,300	1,300
Number of Color	2 (water based ink)	2 or 4 (water based ink)	2 (water based ink)
Machine Dimension (m)	Approx. L4.2×W2.8×H1.3	Approx. L4.4×W3.0×H2.5	Approx. L3.2×W2.3×H1.1
Net Weight (ton)	Approx. 9.0	Approx. 14.5 (3-color)	Approx. 4.5
Gross Weight (ton)	Approx. 11.0	Approx. 17.2 (3-color)	Approx. 5.5

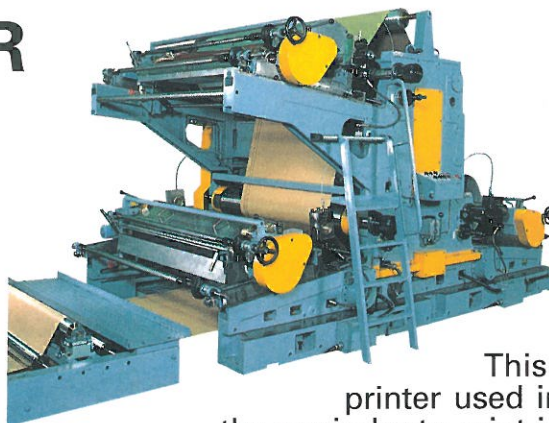
*Variable by replacing change gear and printing cylinder.

**Printing Length Pitch.

232FS+R

■ SPECIFICATIONS

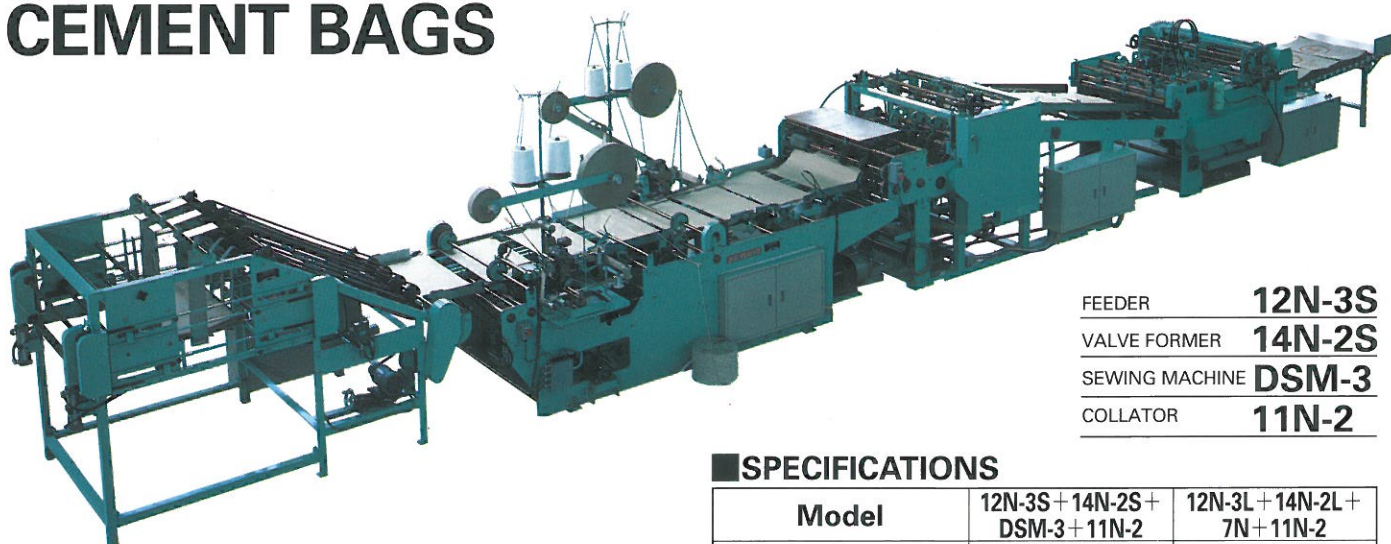
Model	232FS+R
Capacity (m/min.)	160
Type of Print	Single & Double Print
Printing Width (mm)	1,200
Printing Length* (mm)	18~72" (457~1,829)
Print Length Pitch (mm)	$\frac{1}{2}$ " (12.7)
Paper Width (mm)	Max. 1,330
Paper Roll Diameter(mm)	39 $\frac{1}{2}$ " (1,000)
Number of Color	2,3,4(water based ink)
Main Drive Motor (kW)	7.5~11 Inverter Motor
Machine Dimension (m)	Approx. L8.2×W3.0×H2.5
Net Weight (ton)	Approx. 15.0
Gross Weight (ton)	Approx. 17.0
Measurement (cft)	Approx. 1,750



This is an aniline ink printer used in conjunction with the rewinder to print in up to four colors (Four colors available on order). Double printing is available for economy cut

AUTOMATC SEWING LINE

CEMENT BAGS



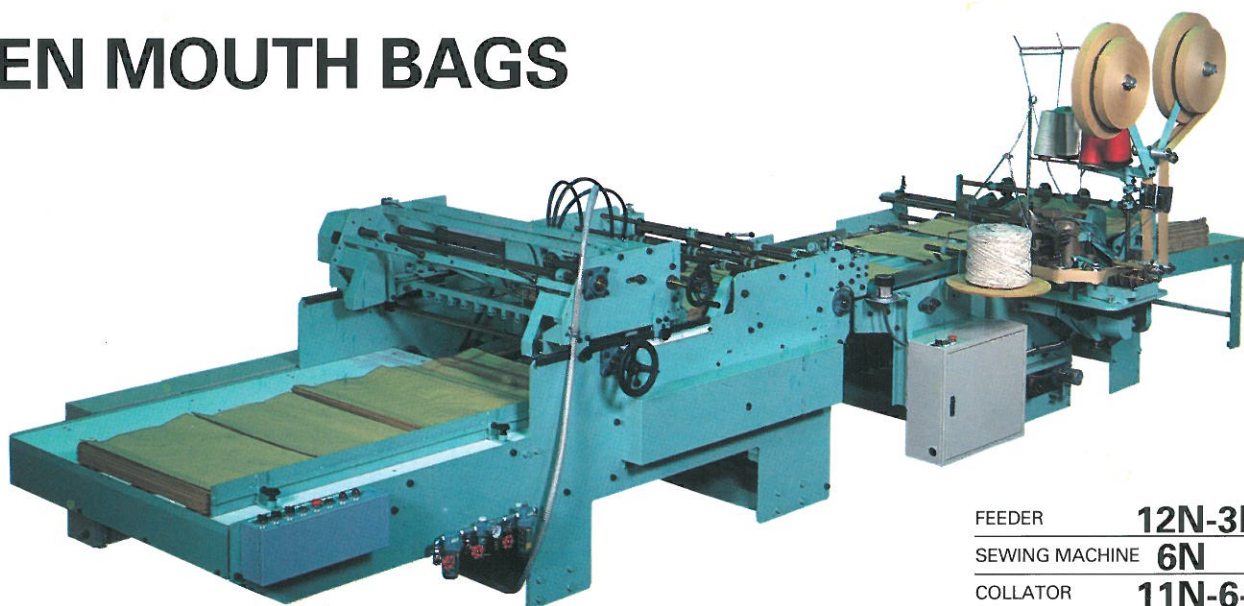
FEEDER	12N-3S
VALVE FORMER	14N-2S
SEWING MACHINE	DSM-3
COLLATOR	11N-2

This bag sewing line includes a feeder, valve former, both-end sewing machine, and collator and automates the bag making process for improved quality of bags. The production can be rationalized significantly by coupling this line with a bag making machine.

SPECIFICATIONS

Model	12N-3S+14N-2S+ DSM-3+11N-2	12N-3L+14N-2L+ 7N+11N-2
Capacity (bags/min.)	Max. 45	Max. 45
Tube Length (mm)	660~863	660~1,100
Tube Width (mm)	394, 419 or 431	419~545
Gusset Width (mm)	63~127	76~152
Stitch Range (mm)	7~12	7~12
Number of Ply	Max. 6	Max. 6
Main Drive Motor (kW)	3.75	5.85
Net Weight (ton)	Approx. 4.7	Approx. 5.1
Gross Weight (ton)	Approx. 6.9	Approx. 7.3
Measurement (cft)	Approx. 1,450	Approx. 1,650

OPEN MOUTH BAGS



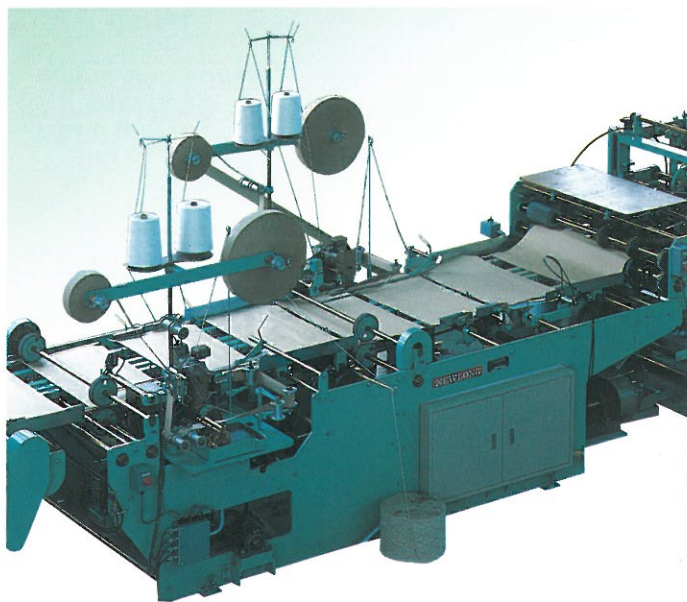
FEEDER	12N-3L
SEWING MACHINE	6N
COLLATOR	11N-6-2

The automatic sewing line for open mouth bags includes a feeder, single-end sewing machine and collator, and can be operated by one operator. The bag size can be changed easily by operating a handwheel, ensuring high

SPECIFICATIONS

Model	12N-3L+6N+11N-6-2
Capacity (bags/min.)	Max. 55
Tube Length (mm)	597~1,050
Tube Width (mm)	317~545
Gusset Width (mm)	Max. 200
Stitch Range (mm)	7~12
Number of Ply	Max. 6
Main Drive Motor (kw)	3.3
Net Weight (ton)	Approx. 2.4

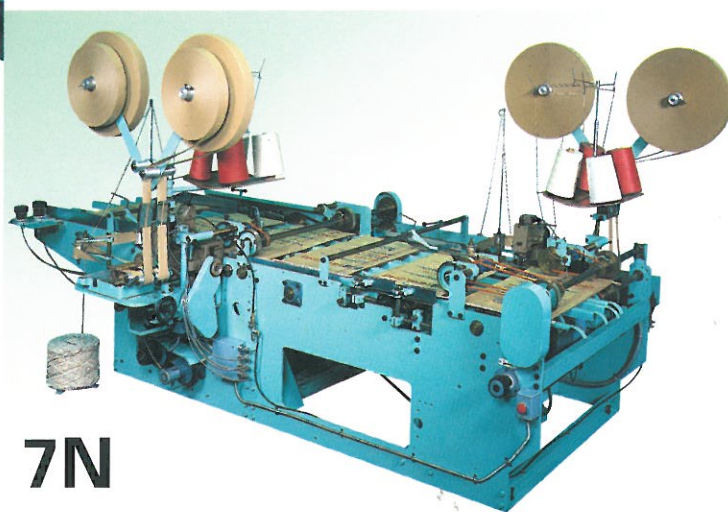
SEWING MACHINE



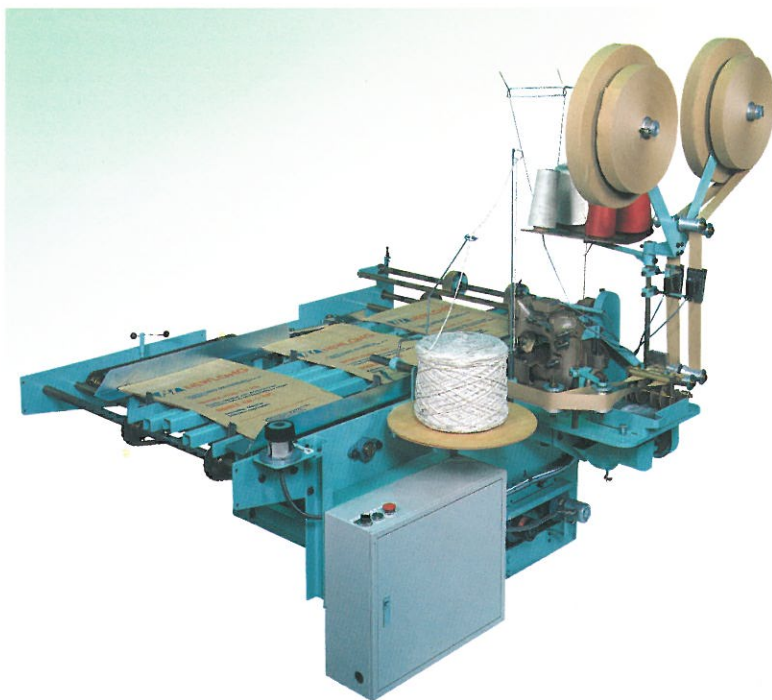
Model 7N is a double-end sewing machine best suited to the production of valveformed bags. Both ends of tubes are sewn continuously by two sewing machines on the right and left. The bag size (length, width, etc.) can be easily changed by operating a handwheel.

DSM-3

Model DSM-3 is a double-head sewing machine best suited to the production of valve type cement bags. Both ends of a tube are sewn simultaneously by two sewing machines installed on the right and left (NL DN-2HS and NL DN-2LHS). Crepe tape is automatically cut to a fixed length by NLC or NLC-L.

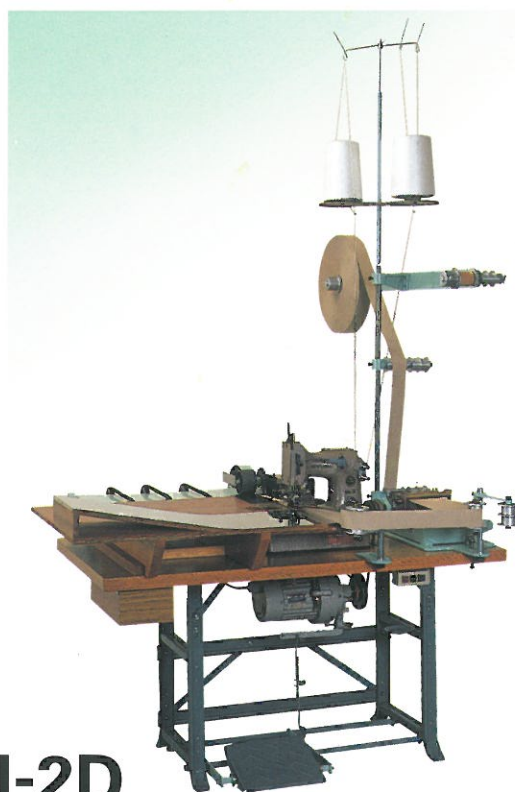


7N



6N

Model 6N is a single-head sewing machine suited to making bottom-sewn open-mouth bags for flour, sugar, fertilizer, chemicals and



TN-2D

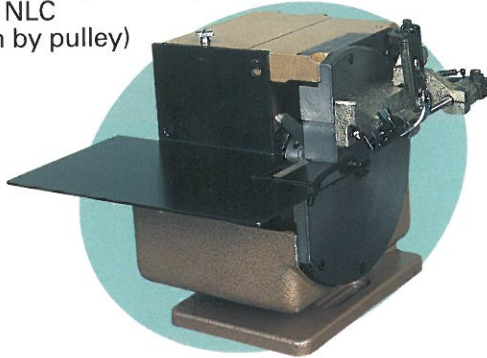
Model TN-2D is a table-top manual sewing machine. Bags of any size can be sewn by pressing the foot pedal. This model is suited

SEWING MACHINE

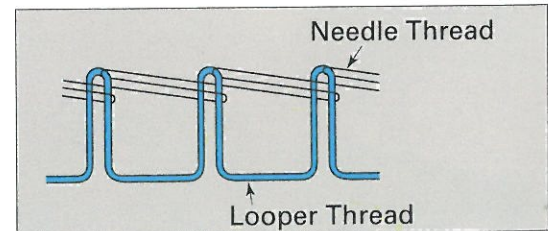
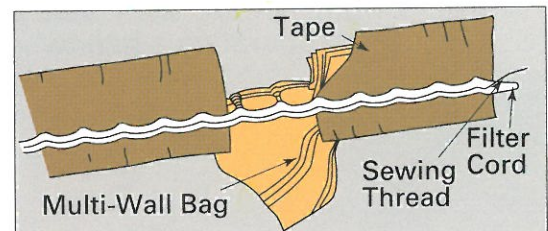
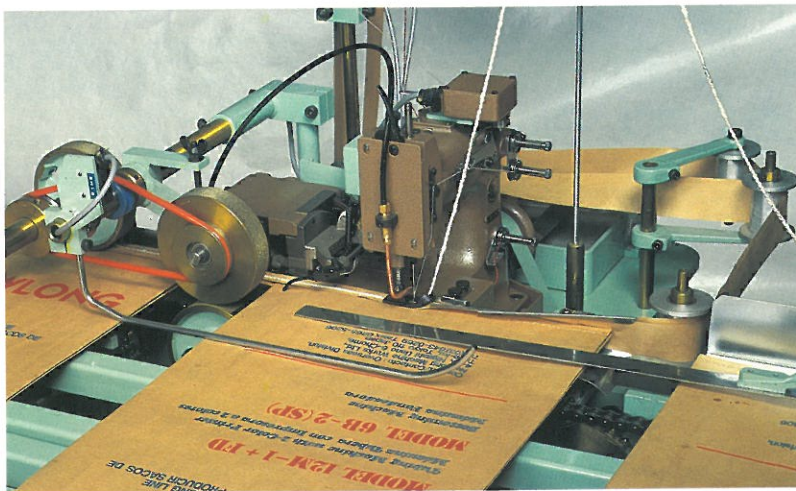
SPECIFICATIONS

Model	DSM-3	7N	6N	TN-2D
Capacity	Max. 55 bags/min.	Max. 40 bags/min.	Max. 55 bags/min.	—
Type of Bag	sewn-valve	sewn-valve	sewn-open-mouth	sewn-open-mouth
Feed System	chain conveyor	chain conveyor	chain conveyor	hand feed
Tube Length (TL)	635~838 mm	508~1,092 mm	597~1,050 mm	508~1,300 mm
Tube Width (TW)	419 mm	317~545 mm	317~533 mm	200~750 mm
Gusset Width (GW)	76 mm	Max. 200 mm	Max. 200 mm	Max. 200 mm
Stitch Range	7~12 mm	7~12 mm	7~12 mm	7~12 mm
Machine Head	NL DN-2HS, DN-2LHS	NL DN-2HS, DN-2LHS	NL DN-2HS	NL DN-2HS
Cutter	NL NLC, NLC-L	NL NLC, NLC-L	NL NLC	NL NLC
Number of Ply	Max. 6 plies	Max. 6 plies	Max. 6 plies	Max. 6 plies
Main Drive Motor	2.0 KW	4.1 KW	1.5 KW	0.4 KW
Machine Dimension	Approx. L3.4mXW2.0mXH2.0m	Approx. L3.4mXW2.4mXH2.0m	Approx. L2.0mXW1.7mXH2.0m	Approx. L1.3mXW1.4mXH2.2m
Net Weight	Approx. 1.7 ton	Approx. 2.0 ton	Approx. 0.7 ton	Approx. 0.2 ton
Gross Weight	Approx. 2.2 ton	Approx. 2.6 ton	Approx. 1.0 ton	Approx. 0.3 ton
Measurement	Approx. 390 cft	Approx. 460 cft	Approx. 200 cft	Approx. 80 cft

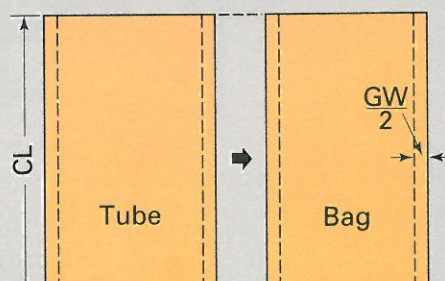
Automatic Tape Cutter,
Model NLC
(driven by pulley)



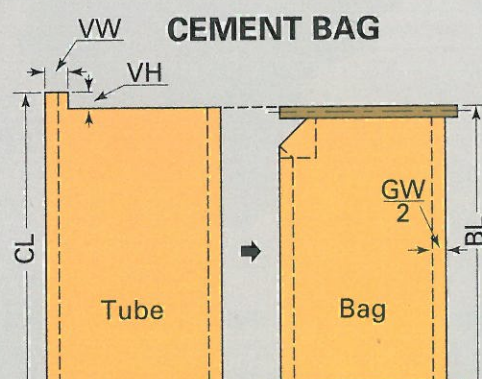
Sewing Machine Head,
Model DN-2HS
(double thread
chain stitch)



OPEN MOUTH BAG



CEMENT BAG



A.P.S. AUTOMATIC PALLETIZER

The palletizer controlled by A.P.S system is used only for palletizing both-side finished(or one-side finished) bags.



Model 108GW

■ SPECIFICATIONS

Model	106GW	108GW	205GW
Capacity (bags/min.)	Max. 12	Max. 10	Max. 20
Bag Length (mm)	310~1,200	310~1,400	310~900
Bag Width (mm)	280~600	280~800	280~550
Max. Pallet Size(mm)	1,400×1,200	1,400×1,400	1,200×1,200
Net. Weight (ton)	Approx. 12	Approx. 13	Approx. 12

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Fax: (03)3843-6574 Tel: (03)3843-6548

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*Fax & telephone number starts with the country number-area code number written in the bracket, followed by the individual number. (the country number-area code)