



AUTOMATIC BAGGING MACHINE

3CM-P SERIES

PAPER BAGS, PP/PE WOVEN CLOTH BAGS, POLYETHYLENE BAGS.

Newly-designed 3CM-P Features High Capacity and Wide Application



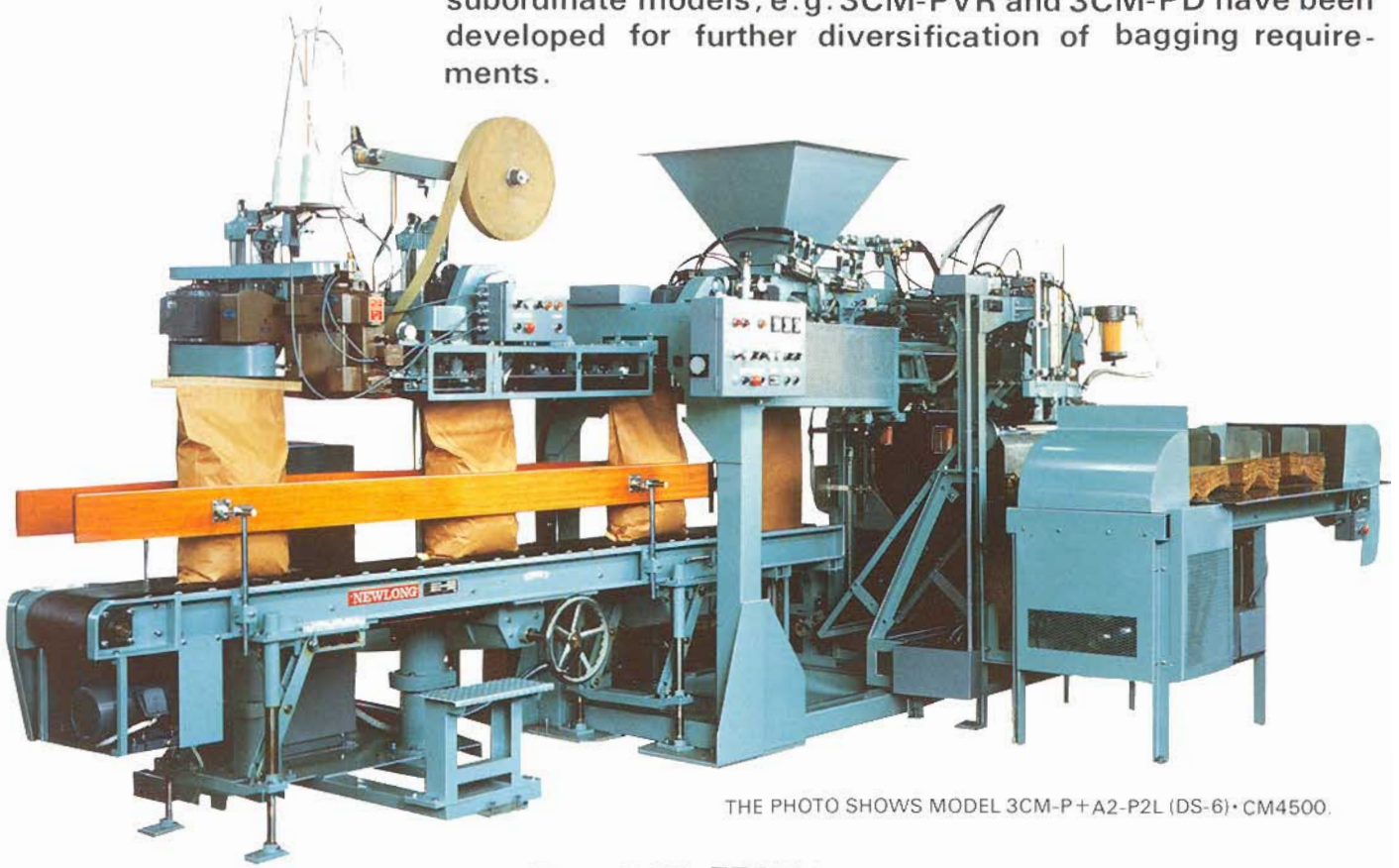
MODEL 3CM-PVR, automatic bagging system.

NEWLONG MACHINE WORKS, LTD.

MODEL 3CM-P AUTOMATIC BAGGING MACHINE

3CM-P

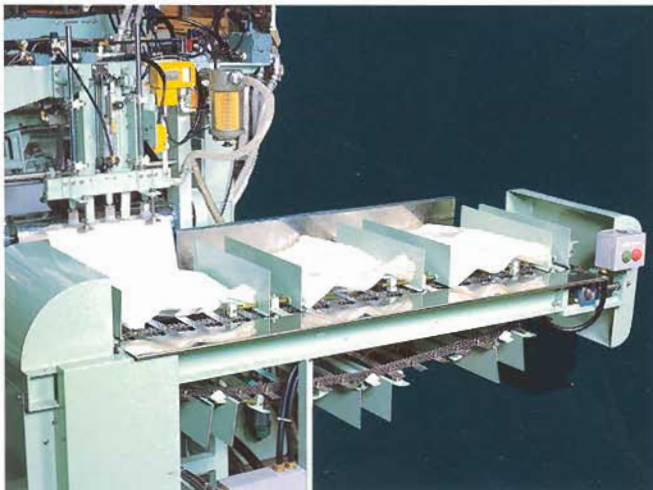
Besides paper bag, woven-cloth and polyethylene bags are widely used in every field of industry, including fertilizer, animal feed and resin pellets, and Model 3CM-P is designed to meet a variety of bag materials. Based on 3CM-P, a serial subordinate models, e.g. 3CM-PVR and 3CM-PD have been developed for further diversification of bagging requirements.



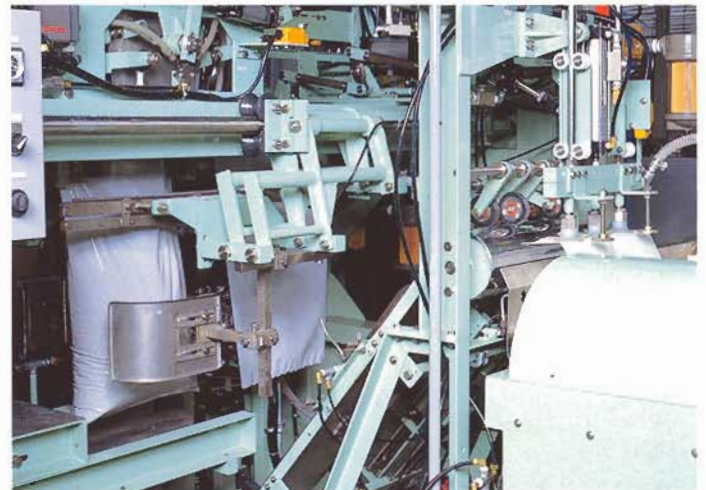
THE PHOTO SHOWS MODEL 3CM-P + A2-P2L (DS-6) • CM4500.

■ DESIGN FEATURES

1. The maximum speed of 1,200 bags/hour.
2. Paper bag, PP/PE woven-cloth bags, and heavy-duty polyethylene bags are available. For paper and woven-cloth bags, sewing machine (Model DS-6, or Model DS-9) is used to close top opening, while for polyethylene bag, heat sealer (Model HS-22D) is employed. (Consult us to determine final specification.)
3. A 4-point check device is featured for positive detection of bag on the packer chute so that there is no powder spilled, nor products discharge when bag is not in position.
4. Automatic bag feeder incorporates a horizontal 3-block bag magazine, with a capacity of 300 bags (PE bags).
5. Each function unit incorporates safety device (lamp and/or buzzer signals) to confirm the automatic and continuous operation.
6. Special shutter and air duct (at extra costs) can be attached to the discharge chute to eliminate spill of product and to collect dusty air.
7. Air squeezing device optional at extra cost to rid air being trapped in polyethylene bags before heat-sealer.



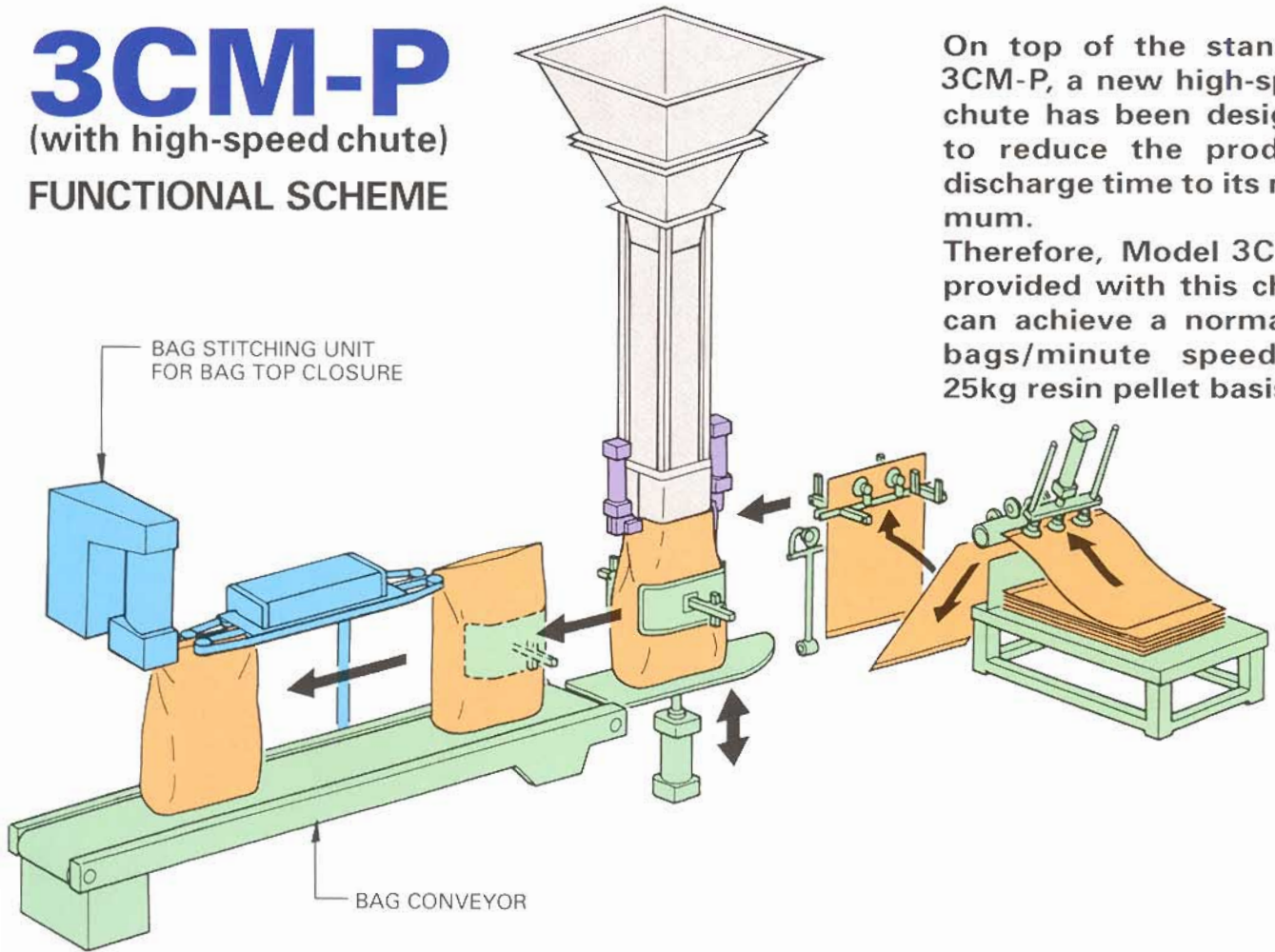
Automatic Bag Feeder



Bag Pick-Up & Traverse Movement

MODEL 3CM-P (with high-speed chute) AUTOMATIC BAGGING MACHINE

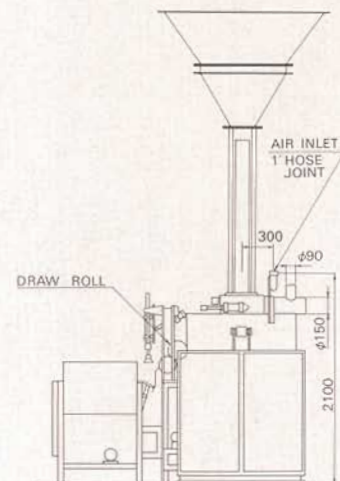
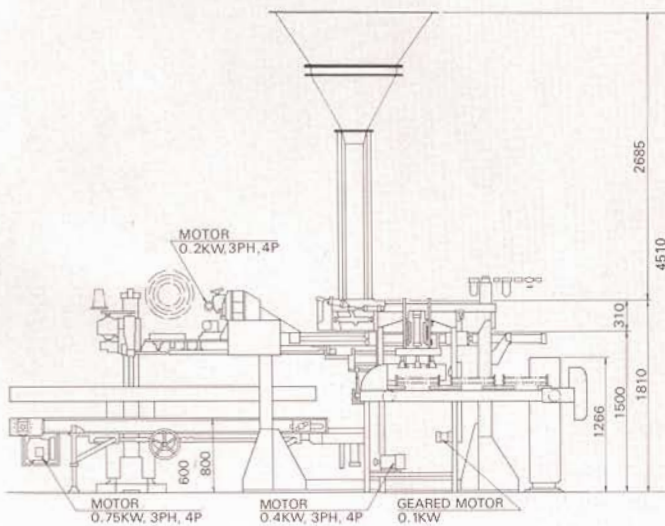
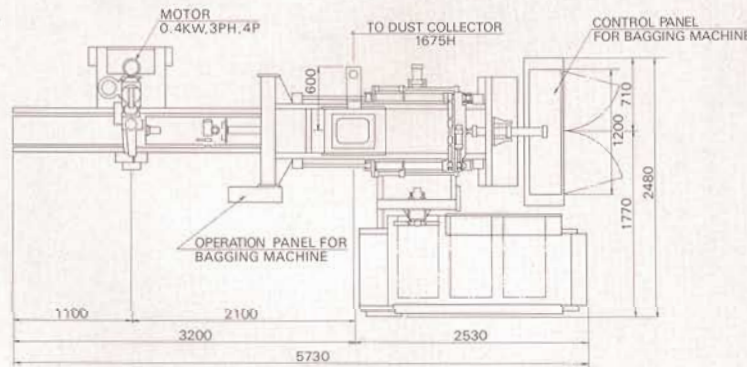
3CM-P (with high-speed chute) FUNCTIONAL SCHEME



On top of the standard 3CM-P, a new high-speed chute has been designed to reduce the products discharge time to its minimum.

Therefore, Model 3CM-P, provided with this chute, can achieve a normal 20 bags/minute speed on 25kg resin pellet basis.

MODEL 3CM-P (with high-speed chute)



MODEL 3CM-PS AUTOMATIC BAGGING MACHINE

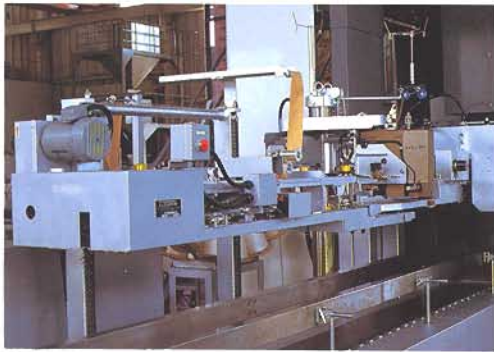
3CM-PS

DESIGN FEATURES

High-speed type of Model 3CM-P equipped with servo-motor drive for traverse movement. Any type of bag closing is available, such as bag stitching, over-tape sealing, heat sealing, and pinch sealing.



MODEL HS SERIES/ Heat Sealer.

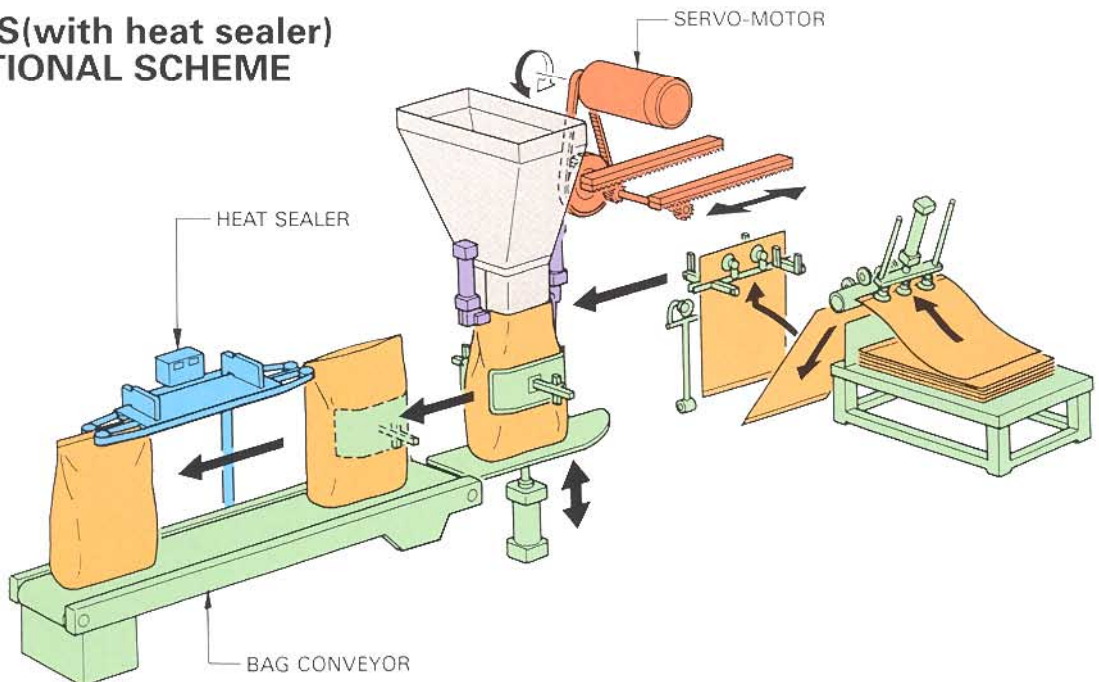


MODEL KS-12/
Bag Closing Machine, Over-tape Sealer & Heat Sealer.



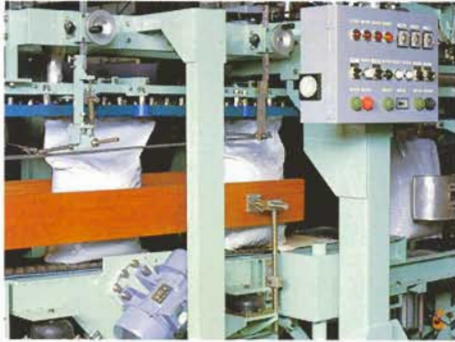
● THE PHOTO SHOWS MODEL 3CM-PS + KS
OVER TAPE SEALER & BAG CLOSING MACHINE.

3CM-PS(with heat sealer) FUNCTIONAL SCHEME

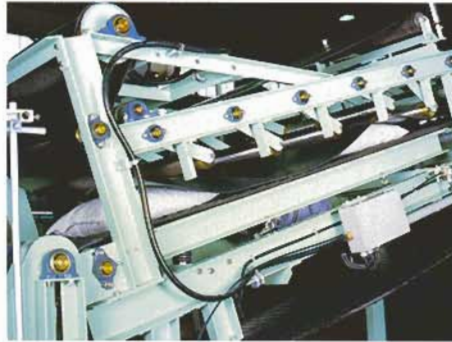


MODEL 3CM-PVR AUTOMATIC BAGGING MACHINE

3CM-PVR Model 3CM-PVR Automatic Bagging Machine with an air ridding device. Suitable for no pin-hole polyethylene bag which invented for overcoming problems caused by pin-hole. Being coupled with 3CM-P unit, the device works with no interruption, and no speed-down. Existing 3CM-P can be equipped with it and convertible to 3CM-PVR.



1 Air ridding device by vibration.



3 Reforming conveyor.



2 Air ridden filled-bag.



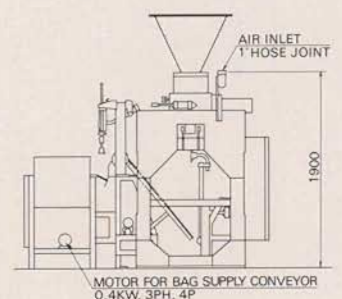
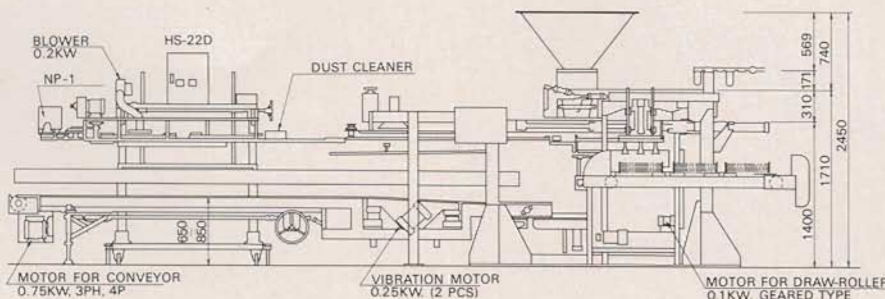
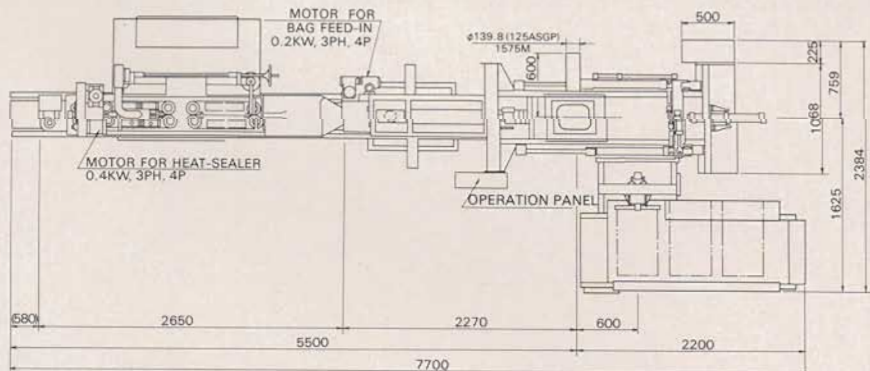
4 Reformed filled-bag.

DESIGN FEATURES

1. There is no congelation, and no deterioration of product, as a no pin-hole bag dose not allow moisture to affect it.
2. Easy stacking and palletizing assures no collapse of stacked bags during transportation.
3. Vibrator rids air contained inside bag, after filled bag being tapped on its bottom and product being stabilized.
4. Successively, a pair of press-bar squeezes out air existing above product, during the bag forwarded on conveyor.

*The photo of first page shows MODEL 3CM-PVR with air ridding device by vibration.

MODEL 3CM-PVR



MODEL 3CM-PD AUTOMATIC BAGGING MACHINE

3CM-PD Featuring two fill-spout for a simultaneous double filling system. Each two bag feeding, bag clamping and bag filling units work in line with one filled bag closing unit, with a capacity of 1,600 bags/hour. The highest capacity enables existing auto or semi-auto bagging units to be replaced with a minimized number of 3CM-PD, aiming to economize plant space as well as to design a stream-lined bagging process.



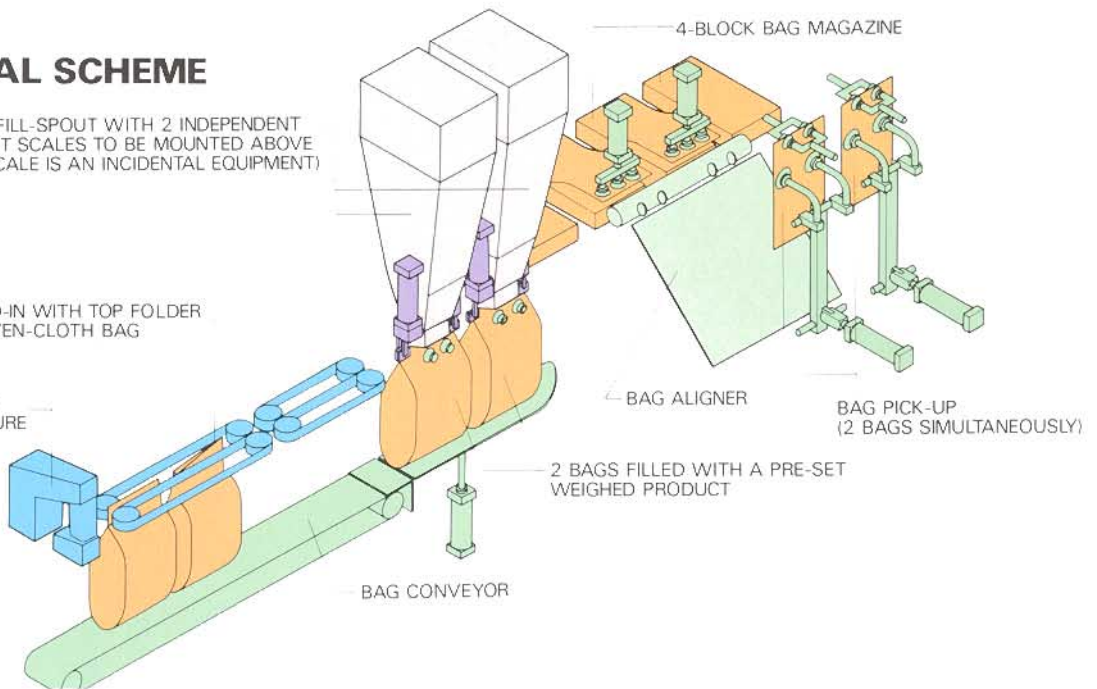
The photo shows Model 3CM-PD for bagging 40kg urea, using wovencloth bag. Two Duplex-scale installed overhead for a shop test at our factory before shipment.

3CM-PD FUNCTIONAL SCHEME

2 FILL-SPOUT WITH 2 INDEPENDENT NET SCALES TO BE MOUNTED ABOVE (SCALE IS AN INCIDENTAL EQUIPMENT)

BAG FEED-IN WITH TOP FOLDER FOR WOVEN-CLOTH BAG

BAG STITCHING UNIT FOR BAG TOP CLOSURE



4-BLOCK BAG MAGAZINE

BAG ALIGNER

BAG PICK-UP (2 BAGS SIMULTANEOUSLY)

2 BAGS FILLED WITH A PRE-SET WEIGHED PRODUCT

BAG CONVEYOR

MODEL 3CM-PDS AUTOMATIC BAGGING MACHINE

3CM-PDS

DESIGN FEATURES

High-speed type of Model 3CM-PD equipped with servo-motor drive for traverse movement, which achieves 2,000 bags/hour in 20-50 kg packing.

A servo-motor (3.7-5.5kW. depends on work condition), replacing an air cylinder as lateral bag transfer drive, serves to increase capacity and to reduce air consumption.



THE PHOTO SHOWS MODEL 3CM-PDS+KS-S (DS-9).

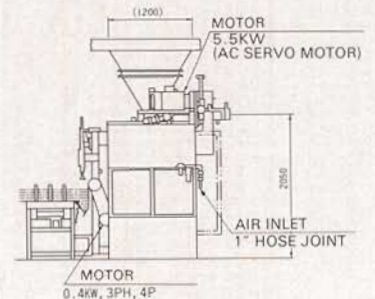
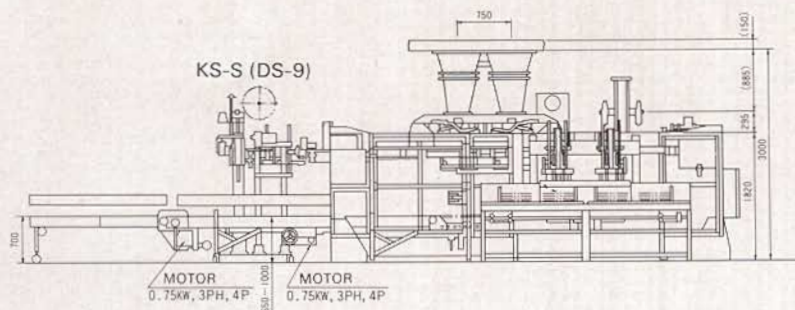
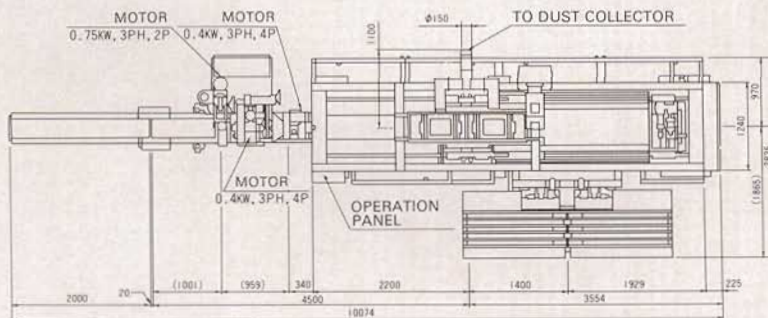


Automatic bag feeder



Servo-motor

MODEL 3CM-PDS



STANDARD SPECIFICATIONS

		3CM-P 3CM-P (with high speed chute)	3CM-PS	3CM-PVR	3CM-PD 3CM-PDS**
Filling system		One spout, one filling	One spout, one filling	One spout, one filling	Two spout, double filling
Bag material		(a) Paper or paper-laminated woven-cloth (b)Woven-cloth, inner laminated (c)Polyethylene	(a) Paper or paper-laminated woven-cloth (b)Woven-cloth, inner laminated (c)Polyethylene	Polyethylene bag(no pin-hole)	(a) Paper or paper-laminated woven-cloth (b)Woven-cloth, inner laminated (c)Polyethylene
Capacity*		1,200 bags/hour	1,200 bags/hour	(a) 1200 bags/hour (b) 800-1,000 bags/hour	1,600 bags/hour 2,000 bags/hour**
Fill weight		20-50 kg/bag	20-50 kg/bag	(a) 20-30 kg/bag (b) 40-50 kg/bag	20-50 kg/bag
Bag size	length (mm)	(a) 750-950 (b) Any 200 range 550-1,050 (c)550-750	(a) 750-950 (b) Any 200 range 550-1,050 (c)550-750	(a) 550-750 (b) 750-950	(a) 750-950 (b) Any 200 range 550-1,050 (c)550-750
	width (mm)	400-520	400-520	(a) 380-440 (b) 400-600	380-460
	gusset (mm)	(a) 75 (b) ,(c) —	(a) 75 (b) ,(c) —	(a) — (b) 120	(a) 75 (b) ,(c) —
Bag top closure		(a) Stitching, Pinch-seal (b) Stitching (c) Heat-sealing	(a) Stitching, Pinch-seal (b) Stitching (c) Heat-sealing	Heat-sealing	(a) Stitching, Pinch-seal (b) Stitching (c) Heat-sealing
Utility compressed air (5kg/cm ²)		2,000 Nomal litre/minute	1,300 Nomal litre/minute	1,700 Nomal litre/minute	3,000 Nomal litre/minute 2,000 Nomal litre/minute**
Power required (Bag closing not included)		8.0 kW	12.0 kW	11.0 kW	16.0 kW 21.0 kW*
Net weight		Approx. 4,000 kg	Approx. 4,000 kg	Approx. 4,500 kg	Approx. 6,000 kg
Gross weight		Approx. 6,600 kg	Approx. 6,600 kg	Approx. 7,000 kg	Approx. 9,000 kg
Measurement		Approx. 1,700 cft	Approx. 1,700 cft	Approx. 1,800 cft	Approx. 2,200 cft

*The actual capacity depends on the product physical property and its weight measurement. (The figure is subject to our confirmation on your presentation of sample product)

** The figures show for 3CM-PDS.

When enquiring, please give us the following informations.

- Size, type and number of ply of bags to be used:
(with two sample bags for each type)
- Material to be packed:
(with one kg. of sample if possible)
(a) Name or brand name
(b)Appearance gravity
- (c)Size of particles
(d)Water content
(e)Fluidity
(f)Other specifications
- Weight per bag.
- Weighing accuracy desired.
- Capacity or speed desired.
- Voltage and frequency of 3-phase power supply.
- Floor space plan.

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