Newly-designed 3CM-P Series Features High Capacity and Wide Application.
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/P3. (DS-61) 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 cost) 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
On top of the standard 3CM-P, a new high-speed chute has been designed to reduce the product 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-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

SERVO-MOTOR
HEAT SEALER
BAG CONVEYOR
Model 3CM-PVR Automatic Bagging Machine with an air riddling 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.

**DESIGN FEATURES**

1. There is no congealing, 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 riddling device by vibration.*
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 1,800 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 area, using woven cloth bag. Two Duplex-scane installed overhead for a shop test at our factory before shipment.
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 conditions, 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-3 (DS-9).

Automatic Bag Feeder

MODEL 3CM-PDS
<table>
<thead>
<tr>
<th>Model</th>
<th>Filling system</th>
<th>Bag material</th>
<th>Capacity*</th>
<th>Fill weight (kg/bag)</th>
<th>Bag size (mm)</th>
<th>Utility compressed air (Nm³/min)</th>
<th>Power required (kW)</th>
<th>Net weight (kg)</th>
<th>Gross weight (kg)</th>
<th>Measurement (ft³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3CM-P</td>
<td>One spout, one filling</td>
<td>(a) Paper or paper-laminated</td>
<td>1,200 bags/hour</td>
<td>20-50</td>
<td>(a) 75-950 (b) Any 200 range</td>
<td>2,000 Normal</td>
<td>8.0</td>
<td>Approx. 4,000</td>
<td>Approx. 4,600</td>
<td>Approx. 1,700</td>
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<tr>
<td>3CM-P</td>
<td>3CM-P</td>
<td>woven-cloth, inner: laminated</td>
<td></td>
<td></td>
<td>(b) Any 200 range</td>
<td>1300 Normal</td>
<td>12.0</td>
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<td></td>
<td></td>
<td>(c) Polyethylene</td>
<td></td>
<td></td>
<td>(c) 550-750</td>
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<td>11.0</td>
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<td>Polyethylene</td>
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<td>16.0 kW</td>
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<td>3CM-P</td>
<td></td>
<td>bag (no pin-hole)</td>
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<td></td>
<td></td>
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<td>21.0 kW</td>
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<td>3CM-P</td>
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<td>1,200 bags/hour</td>
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* The actual capacity depends on the product physical property and is a weight measurement. (The figure is subject to our confirmation on your presentation of sample product.)
** The figure shows for 3CM-P.0S.

When enquiring, please give us the following informations.
1. Size, type and number of ply of bags to be used (with bag, sample bags for each type)
2. Material to be packed (with one kg, of sample if possible)
3. Name or brand name (alpha/numeric)
4. Appearance gravity (c/Size of particles)
5. Capacity or speed desired.
6. Voltage and frequency of three-phase power supply.
7. Prior space plan.