



Control and Metering Limited

6500 Kestrel Road,

Mississauga, ON

L5T 1Z6

telephone: 1-800-736-5739

email: sales@controlandmetering.com

or visit us on the web at:

www.controlandmetering.com



**A revolution in bulk bag
filling technology**

THE COBRA™ PRODUCES DENSE, STABLE AND SAFE BULK BAGS THAT ARE PRECISELY WEIGHED.

Ingredients whose tamped and untamped bulk densities differ by more than 10-15% generally require maximum densification. Even ingredients that have a small variation in bulk density may require maximum densification as the height of the bulk bag approaches 50" or if bags must be stacked.

The Cobra features the patented cone table system that provides maximum ingredient densification. As the bag is filled it is raised and lowered by a chain drive system. In the up

position, the bag is weighed by the high-resolution hang weigh system and the bag fabric is stretched to improve bag stability. In the down position, the bottom of the bag rests directly on the vibrating cone table.

The cone table performs three functions. First, because the table is in direct contact with the bag, vibration energy is efficiently transferred to the ingredient. Second, the shape of the cone table forces ingredient into the bottom corners of the bag, which is a critical aspect of producing

a stable package. Third, as the bag is lowered onto the cone table a column of ingredient in the center of the bag is raised. When the bag is raised the column recedes thereby levelling the top of the ingredient.

The Cobra requires a forklift to remove the filled bag. The Cobra ABR features automated bag handling and should be considered when the filled bag output rate approaches 12-15 bags per hour or when a forklift is not available to service the filler after each bag is filled.

Feature	Function	Benefit
Patented cone densification table.	Provides maximum ingredient densification	Safe and stable bags. More ingredient in the bag or can use a smaller bag.
Open frame design.	Access from three sides. Operator works at floor level.	Flexible layout possibilities. Easy to use, no platform. Easy to automate bag and pallet handling.
Hang weighing and hang filling.	Only the bag and hanger arms are weighed. Bag fabric is stretched as it hangs.	Higher resolution compared to weighing both the bag and the entire filler. Stretched bags are more stable.

Specifications

Bulk bag specification:

- 24" to 80" tall.
- Maximum 41" x 41" base seam dimensions.
- Taller and wider bags can be accommodated upon review.
- The dual-purpose fill head accommodates lined and unlined bags.
- Maximum filled bag weight is 4,000 pounds.

Note: all sizes shown are empty bag dimensions.

Fill head:

- Standard twin tube 8" diameter fill head suitable for flexible connection.
- 4" diameter dust collection vent.

Controls:

- Flexi Fill™ PLC based control system with keypad/LCD operator interface.

Bag rigging:

Trombone bag loop hanger arms that allow the front loop attachment points to telescope back towards the operator for easy operation. Trombone arm operation can be automated with optional pneumatic cylinders.

Bag height adjustment:

The Cobra automatically adjusts between different bag heights.

Electrical:

- Vibrators: 1/3 HP, 460 or 575 VAC, 3 phase, 60 HZ, TENV.
- Drive motor: 5 HP, 460 or 575 VAC, 3 phase, 60 HZ, TEFC with integral disc brake.

Materials of construction:

- Contact parts are 2B finish 304 SS with all welds ground smooth and crevice free. Other finishes and grades of stainless steel are available.
- Mild steel components are finished with STEEL IT® polyurethane paint over one coat of primer.
- The entire filler can be constructed of stainless steel if required.

Dimensions:

53" W x 87" D x height determined by tallest bag.



Cobra forklift removal style



Cobra ABR (automatic bag removal) System

Control and Metering Limited

1-800-736-5739

sales@controlandmetering.com

Visit us at www.controlandmetering.com