

# CONTINUOUS METERING AND BLENDING FOR TWO COMPONENTS



 **transitube**®

# CONTINUOUS METERING AND BLENDING FOR TWO COMPONENTS

**T**he TRANSITUBE DCL Model metering units are used to continuously meter virgin materials (pellets or powder) and regrinds with adjustable and even throughputs.

The metered products are then conveyed and mixed in a TRANSITUBE feeder that will automatically feed the molding machine or extruder hopper.

## OPERATION

For each product, the metering spiral is equipped with an inner tube that evens the output flow and keeps the metering tube constantly filled.

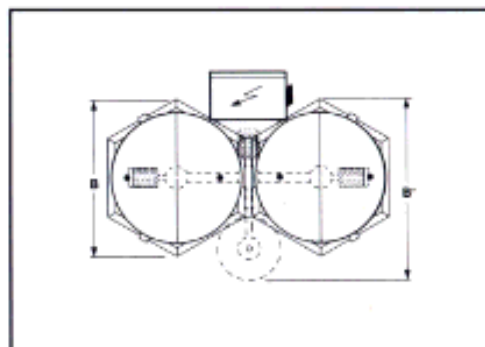
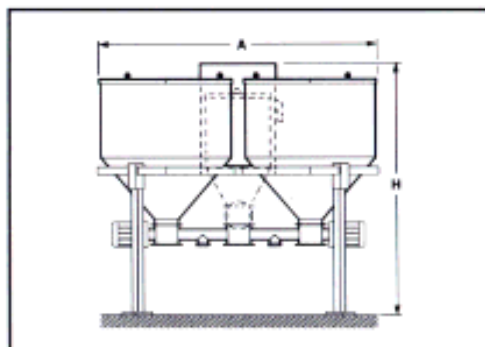
The metering spiral is driven by a fixed speed reduction motor for the virgin material and a variable drive for the regrind. Variable outputs are controlled from the electrical panel.

The metering spiral speed will determine the percentage of virgin and regrinds.

The metered products are then conveyed by a TRANSITUBE mechanical feeder which mixes and blends everything together, automatically filling the machine hopper.

## ADVANTAGES

- Higher quality finished products because of even and regular proportioning of the components.
- Elimination of weighing, tumbling, and manual manipulations.
- Entirely automatic operation of the metering unit.
- Quick-disconnect of motors and spirals, no special tools necessary for maintenance and dismantling.



	A	B	H	Capacité Capacity
DCL 200	1250 mm 49 in	600 mm 24 in	1000 mm 39 in	2X100 L 2X125 lbs
DCL 400	1450 mm 57 in	700 mm 28 in	1220 mm 48 in	2X200 L 2X250 lbs
DCL 800	1850 mm 73 in	900 mm 35 in	1320 mm 52 in	2X400 L 2X500 lbs

	A'	B'	H	Capacité Capacity
DCLC 200	1250 mm 49 in	1000 mm 39 in	1000 mm 39 in	2X100 L + 40 L 2X125 lbs + 50 lbs
DCLC 400	1450 mm 57 in	1000 mm 39 in	1220 mm 48 in	2X200 L 40 L 2X250 lbs + 50 lbs
DCLC 800	1850 mm 73 in	1200 mm 47 in	1320 mm 52 in	2X400 L 40 L 2X500 lbs + 50 lbs

## STANDARD EQUIPMENT

- Conical bins with hinged covers.
- 3-phases, 1/4 h.p., 0,37 kw gear motor.
- Metering tube with metering spiral and output test control port.
- Central collector for connection of TRANSITUBE feeder, model PC.
- Safety plug which also serves for mounting of additional metering bins.
- D.C variable speed motor for changing outputs of the regrind.
- High and low capacitive proximity level controls in each bin.
- Automatic electrical panel.
- Swivel castors.

## PERFORMANCE CHARACTERISTICS

- Metering accuracy  $\pm 0,5$  to 2% according to the product.
- Output range 50 to 2,000 kgs/hr (110 to 4,400 lbs/hr).
- Metering range 5 to 50%.
- Metering range for color or additive 0,2 to 10 %.

## OPTIONS

- Electrical cabinet with logic programming of regrind, color or additive percentages.
- Automatic feed of bins with a mechanical or vacuum feeder.
- Additional metering bins in carrousel arrangement.
- Simultaneous feeding of several products.
- Simplified version, model DMR with a single drive.

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TRANSITUBE reserves the right to modify the machinery described in this brochure



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