

# MECHANICAL FLEXIBLE FEEDER



 transitube®

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The TRANSITUBE FLEXIBLE MECHANICAL FEEDERS are known by everyone in the industry and are designed particularly for conveying raw materials in either pellets, powder, mix or regrind form. The "TRANSITUBE" can automatically feed injection molding machines, extruders, blow molding machines as well as sorts of bins and silos. It offers many advantages over the conventional systems like vacuum, rigid auger, or belt conveyor.

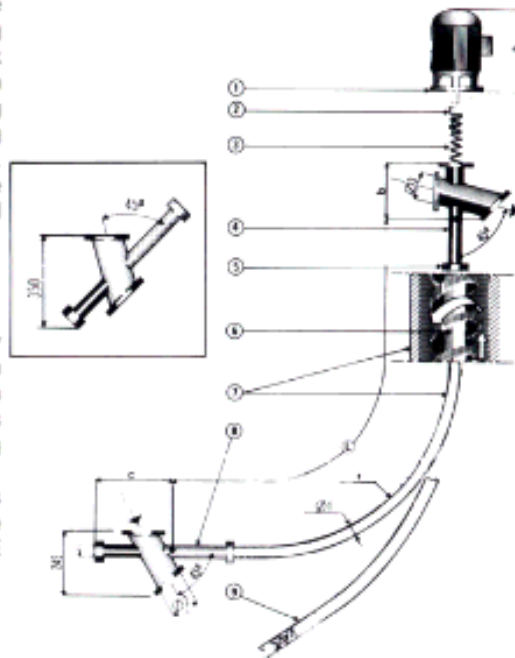
## THE TRANSITUBE PHENOMENON

A specially treated steel spiral is driven by an electric motor that is mounted either on the inlet or outlet end of the feeder. An inner tube mounted inside the spiral stops the product from falling back down during conveying.

The speed and rotation of the spiral creates a ring of material that moves along in the tube. This is the TRANSITUBE PHENOMENON.

## ADVANTAGES

- **Easy installation** : flexible, so it can get around obstacles, no detailed plans necessary since mounting adjustments can be made quickly.
- **Homogeneity** of the mix even if products are of varying bulk density.
- **Low operating costs** : economic, a TRANSITUBE will consume only 2 kw/hr for an output of 5000 lt/hr (approx. 6500 lbs/hr) on a 6 meters (20 ft) length.
- **Clean** : totally dust free, the conveyed products are not subject to any air born pollutants.
- **Protection from humidity** : the products are kept from re-absorbing moisture in the air, a prime concern for dried products which cannot be conveyed by pneumatic means.



TYPE	A	B	C	R	01	02	03	Standard length from 3 m to ...	
								PS	PC
20	225	230	235	1200	34	120	120	4 m	-
30	225	270	235	1500	43	120	120	6 m	12 m
39	225	270	235	1700	51	120	120	12 m	20 m
53	225	285	235	2000	63	120	120	20 m	20 m
70	290	300	235	2500	80	120/150	150	20 m	20 m
80	290	300	235	3000	90	120/150	150	20 m	20 m

## APPLICATIONS

- **Model PS** for pick-up from a drum, container, flo-bin TRANSITUBE standard or DS mixing bin.
- **Model PC** for pick-up from under silos, mixer, metering units, dryers, grinder, etc.
- **Model PM** for centralized feeding of several machines.

## SPECIFICATIONS

	TYPE	CV	KW
1 Motor	20	0,5	0,37
	30	1-2	0,75-1,5
	39	1-2	0,75-1,5
	53	1,5-2,5	1,1-1,85
	70	2-3	1,5-2,2
	80	2-4	1,5-3
2 Motor sleeve			
3 Rotating spiral			
4 Model GW evacuation chute			
5 Model CS quick clamp			
6 Inner tube			
7 Outer tube			
8 PC Inlet			
9 PS inlet			

## OUTPUT RANGES

Type	OUTPUT	
	Mini	Maxi
20	10	20
30	30	100
39	100	300
53	300	800
70	800	2 500
80	800	5 000

The above outputs are based on a product having a bulk density of 40 lbs/cu.ft. with good flow characteristics and the inlet at 45 degrees.

## STANDARD OPTIONS

- A number of accessories is available for connecting the units to a bin, mounting level detectors (capacitive or micro-contact).
- Automatic operation with timed starter panels.
- Mounting with all TRANSITUBE Metering, blending and coloring products.

**transitube**

improves your productivity

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

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