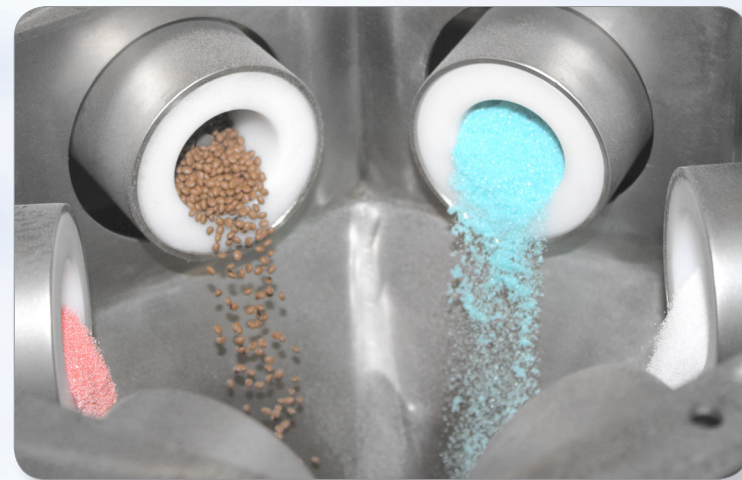


## ORBITAL LOSS-IN-WEIGHT SCREW FEEDERS

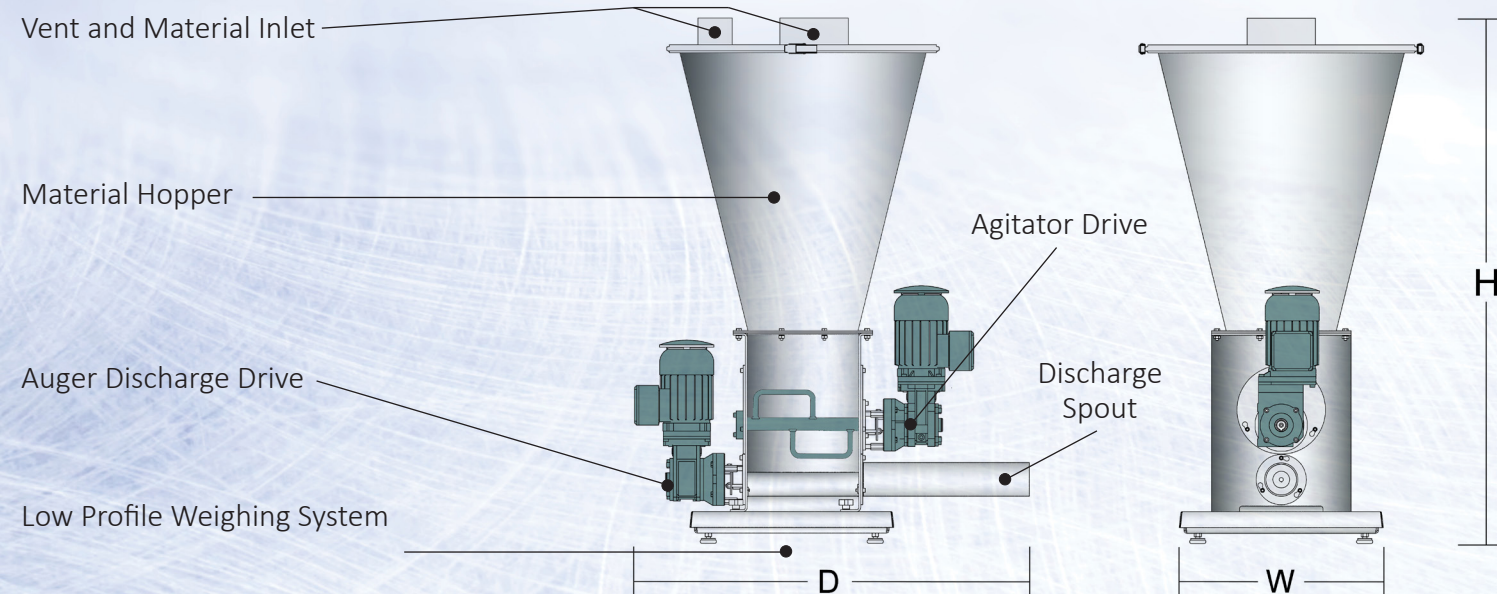
### FEATURES AND BENEFITS

- Sanitary and industrial designs
- Stainless steel washdown construction
- Flexible configurations
- High precision weighing system
- Batching or continuous Control
- Accurate and repeatable at low feedrates
- Chemical duty models available



Orbital Feeders blending pellets, granules and powders

### DIMENSIONS & SPECIFICATIONS



MODEL #	HOPPER VOLUME	CONTINUOUS FEEDRATE RANGE**	BATCH WEIGHT RANGE**	WIDTH (W)	DEPTH (D)*	HEIGHT (H)
ORB-1	1.0 CF 28.3 L	0.6 - 7.50 Lbs/Min 0.27 - 3.4 Kg/Min	0.2- 75 Lbs 0.09- 34.0 Kg	18.0 In 457 mm	32.0 In 813 mm	38.0 In 965 mm
ORB-2	2.0 CF 56.6 L	1.2- 15.0 Lbs/Min 0.54 - 6.8 Kg/Min	0.4- 150 Lbs 0.18- 68.0 Kg	18.0 In 457 mm	36.0 In 914 mm	44.0 In 1,117 mm
ORB-3	3.0 CF 84.9 L	1.8- 22.5 Lbs/Min 0.82 - 10.2 Kg/Min	0.6- 225 Lbs 0.27- 102.0 Kg	18.0 In 457 mm	41.0 In 1041 mm	48.0 In 1,219 mm

\* Depth Dimensions include Discharge Tray or Tube

\*\* Feedrates and Batch Weights assume 10 - 100 Lbs/ft<sup>3</sup> Material Bulk Density.

FAMILY OF  
**MERRICK**  
COMPANIES

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DYNAMIC INNOVATIONS SINCE 1908  
WEIGHING, FEEDING, CONTROLS & ENVIRONMENTAL SOLUTIONS

# ORBITAL LOSS-IN-WEIGHT SCREW FEEDER



**RAPID CHANGEOVER (RCO) FEEDER**  
**CONTINUOUS OR BATCHING**





## What is Rapid Changeover (RCO)?

RCO means that parts which affect the capabilities of the feeder like hoppers, augers, agitation, spouts and motor drives can be easily (rapidly) changed as needed. The variety of components available, coupled with quick disconnects, enables the Orbital Feeder to be optimized for use with many materials and applications. A single Orbital Feeder provides excellent Loss-in-Weight control and accurate metering of material. Its greatest strengths are even more apparent when groups of Orbital Feeders are used to simultaneously feed multiple materials into a blending process. Hoppers, augers, agitation, spouts and motor drives can be configured within a production run as needed.

AGITATOR VANES



DISCHARGE SPOUTS



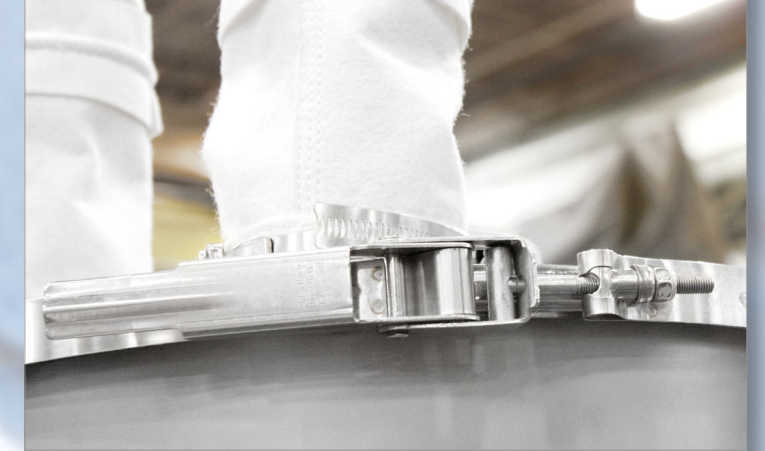
**Backed by over 100 years of experience in the weighing and feeding industry.**



## Accuracy and Control

In a blending process it's important to be able to handle many different materials at various feedrates or batch weights. Changing from one material to another and from a high range to a very low range requires tremendous flexibility. By better matching the feeder to the material and process needs, better performance can be achieved.

QUICK RELEASE CLAMPS



DISCHARGE AND AGITATOR BEARING ASSEMBLIES



DISCHARGE AND AGITATOR MOTORS

