



VIBRA SCREW INC.

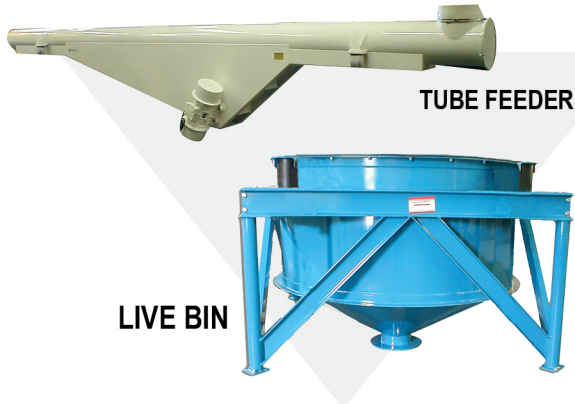
The most trusted name in dry
solids processing.

755 Union Boulevard Totowa, New Jersey 07512

Phone: 973-256-7410 Fax: 973-256-2114 www.VibraScrew.com

C-274

CASE HISTORY



Vibra Screw Vibrating Tube Feeders and Live Bin Critical to Success of Batch Weighing System

The Problem:

A major producer of powdered chemical mixes needed to rapidly and accurately meter and mix ingredients prior to their packaging line. Previous methods had maximum capacities of 30 to 40 tons per 8 hour shift and were plagued with accuracy variations, poor mix quality and spillage.

The Solution:

GC Solutions, Allen, Texas [www.GCSolutionsSales.com] was contacted for design services. They in turn consulted with Vibra Screw, Totowa, NJ. A system was developed to handle five different ingredients simultaneously consisting of bulk bag discharge frames, integral receiving hoppers and Vibra Screw Vibrating Tube Feeders, all load cell mounted and under the control of a batch weigh control system. Ingredients are fed to a drag conveyor which delivers to a paddle mixer. The mixer empties to a Vibra Screw Live Bin which insures complete, unsegregated discharge to a belt conveyor, feeding an air bag packer. The bags travel through a bag flattener, code dater and are palletized for shipment.

Results:

Mix capacities have more than doubled to 80 tons per 8 hour shift. Ingredient bulk bags are efficiently emptied and fed per specific recipe extremely accurately. The vibrating tube feeders with variable frequency drives are able to deliver high rates for the majority of the mix cycle and then slow to dribble rates to insure precise batch completion without overrun. Mixes are uniform and are dispensed to the packaging line from the live bin without segregation.



COMPLETED SYSTEM

THE VIBRA SCREW GUARANTEE

If your Vibra Screw equipment doesn't perform in the service for which it was sold, we'll refund your money. Ask any other equipment manufacturer to put that in writing.

No time limits. No conditions.

www.vibrascrew.com

