CVC ELECTROMECHANICAL FEEDER

Case History

Feeder increases productivity, reduces waste, and prevents worker injury.

**Problem:**
An operator at Metal Coatings International was hand feeding aluminum and zinc powder into a feeder. This resulted in lumps of material falling onto the mixing blade, causing the blade to bend, resulting in a loss of material.

**Solution:**
Cleveland Vibrator fabricated a feeder to convey the materials to the mixing bin, allowing the operator to feed them in a controlled flow. The feeder also prevents damage to the mixing blade allowing for better mixing of the materials. Before installing the feeder, Metal Coatings would lose approximately 6% of the material through improper mixing. With the CVC feeder and variable frequency controller, the loss rate has dropped to less than 1%.

**Model:** EMF-3072-RE-13-6(2)
30” x 72” tray

**Product:** aluminum and zinc powder

**Construction:** all mild steel

**Isolation:** 4 Marshmellow Mounts

**Controls:** 3 Hp VFC

**Drives:** 2 rotary electric vibrators Model RE 13-6

**Features:** unit is mounted on 4 casters - 2 fixed and 2 swivel with lock to allow mobility

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