

# 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 Marshmallow 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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