

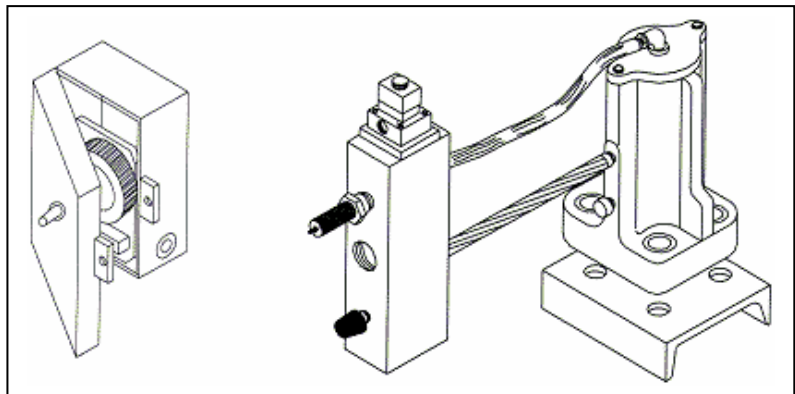


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## CASE HISTORY

Manufacturer of Industrial Inorganic Chemicals



**Problem:** Manufacturer producing a crystalline product that then sticks to the 3/16<sup>th</sup> to 1/4" thick steel hopper walls. Continuous vibration was tried but was not successful.

**Solution:** Replace continuous vibration with 1400 SI Single Impactor Units

**Results:** Multiple single impactors mounted on each hopper produces enough impacting energy to break loose the material sticking to the walls.

The single impactor delivers one impact at a maximum frequency of once every three seconds through a five-port spool valve. A timer is used to vary the cycle required. Single impactors are most effective for sticky materials because they are less likely than vibrators to cause packing in hoppers. Low maintenance is guaranteed by a combination of a springless design and only one moving part. The single impactor makes less noise and consumes less air than most air vibrators because there is no continuous blast of exhausting air.