

Compact by Design

Slide Hammer Cylinder

Hopper Agitation to Prevent Media Clumping

Application Challenge

The contents in hoppers frequently stick together or to the inside surfaces causing major issues for production, slowing output and driving costs upward with expensive and timely solutions. Compact Automation has developed a high quality cylinder to solve this problem, with our pneumatic slide hammer cylinder which provides a high impact to hoppers to agitate the contents and eliminate the media sticking together inside on the surfaces. Consistent with the Compact Automation value proposition, this cylinder offers the highest kinetic energy in the smallest possible package and it will have superior durability. Our ability to provide high energy and durability in a very small package is something that we are uniquely qualified to do.

Project Solution

There is an application need for a high quality hammer cylinder to agitate the contents in hoppers and keep media from sticking together and on inside surfaces.

Customer Benefit

Develop a pneumatic shuttle to provide high impact to hoppers while maintaining structural integrity. No external moving parts eliminating any pinch points, increasing operator safety and reducing downtime and expense for customers.

Features:

- Large port orifice for maximum air flow
- Up to a 10 lb. bronze piston slug – supported with two wear bands
- One low friction piston seal
- Can deliver a shock load in excess of 50 J at 100 PSI
- No external moving parts
- No pinch points

