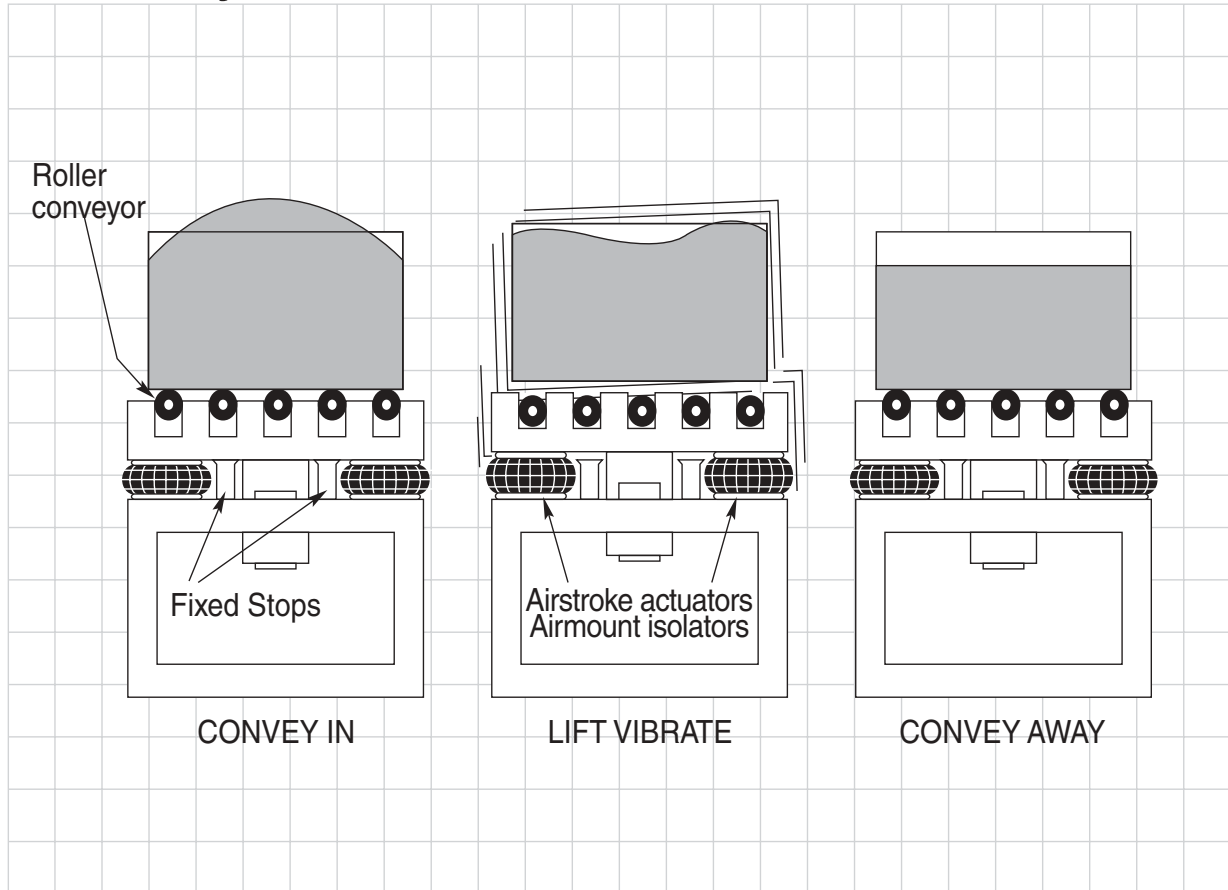


Vibratory Packer



Problem

Container full of product must be lifted clear of powered conveyor rollers for short periods to allow contents to be vibrated and compacted. The vibration process produces an undesired effect as it carries-through to the conveyor and facility floor.

Solution

Firestone air springs are used for both actuation and isolation purposes. The air springs inflate to lift the container from the rollers and, while inflated, isolate the vibration.

Benefit

As actuators, the air springs provide a low profile for compact design. Also they are immune to the negative effects of the vibration. As isolators, the air springs operate quieter and perform longer than the conventional coil springs used previously in the packer process, the air springs prevent up to 99% of the vibration from carrying-through to the conveyor and floor. No other one product could do both functions.