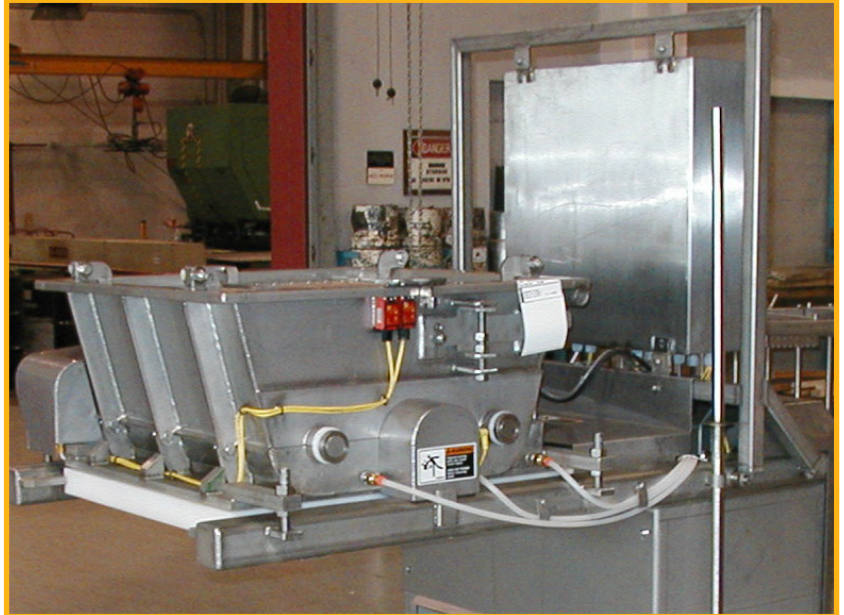


12-Pocket Indexing Filler

Problem:

A Millard customer had a fresh food bag filling line that indexed (12) pockets per cycle. The current operation had product that was manually distributed by hand into each pocket. The customer wanted to deposit frozen food product automatically into (3) rows of (4) pockets at each cycle using an automated machine.

- *Quality of weight per pocket needed to be more accurate than hand loading*
- *Cycle time on hand loading operations would be too slow*
- *Manual labor would be too costly with manual loading of pockets*
- *Weight of fill needed to be consistent and adjustable to for pockets*



Solution:

Millard Manufacturing Corp delivered a unique process solution by designing, building, and installing an automated 12-Pocket Indexing Filler machine that could stop and start with existing production lines every (3) seconds.

- *Food Safety: "In-House" Passivation for Sanitary durability*
- *Sanitary wash-down duty for easy cleaning operations*
- *Safety guarding incorporated into machine*
- *Automated volumetric filling*
- *(3) Second cycle depositing (12) pockets of food per cycle*
- *Pneumatic cylinders to anchor machine during operations*
- *Servo Drive system*
- *Agitation screw in hopper to circulate product and prevent bridging*
- *Heavy Duty Stainless Steel Construction*

Results:

- *Manpower Reduction of (2) operators*
- *Eliminated weight variability inherent with hand loading*
- *Provided adjustment for food weight depositing*
- *Quality improvement of 20% in weight deposit control*
- *Product waste reduction of 25% by automating pocket loading*
- *Rework reduction of 20% resulting from accurate food weight depositing*