

MULTI-FILL®

Distribution Systems

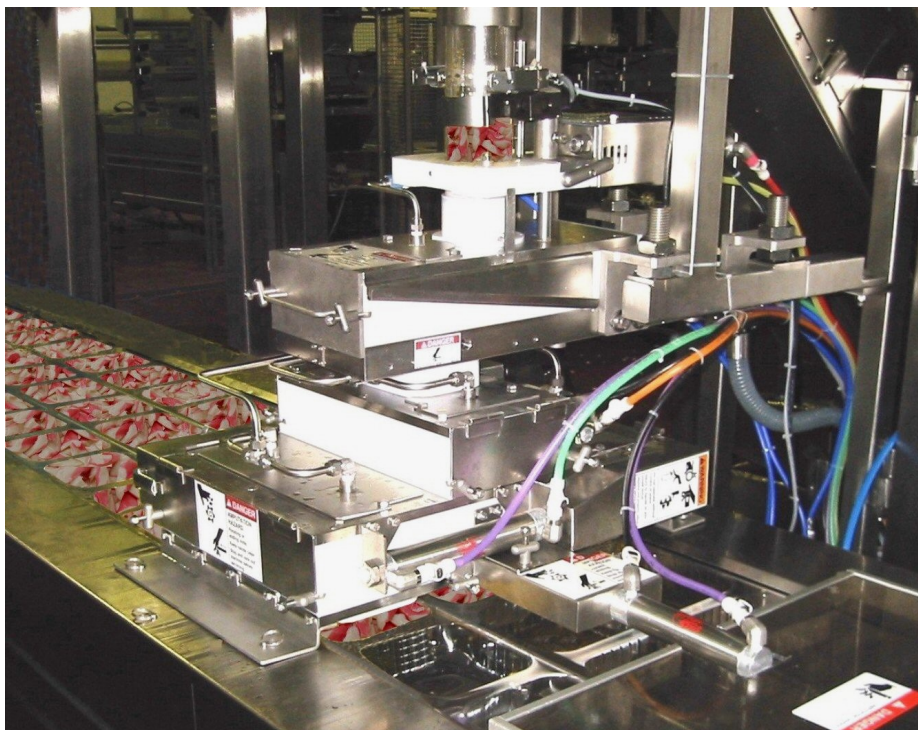
Distribution Systems for Multi-lane Conveyors

Our distribution systems are designed to meet the challenge of distributing hard-to-fill products such as cooked rice, pasta (long and short goods), vegetables, fruits, and refrigerated salads. We can also fill sized particulate dry products like cereal and pet food into horizontal, intermittent multi-lane conveying systems.

The distribution systems are custom built to accommodate various line configurations. This principle can also be applied to the in-feed supply of various vertical, pre-form type pouch machines.

Portions are distributed from one filling head into multiple locations (e.g. 2, 3, 4, 6, or 8 pouches). Depending on the configuration of the pattern selected, product can be filled at speeds up to 12-15 cycles per minute.

These systems replace hand-placing of the product into containers,



Six-position distribution system for noodles, pasta, rice, vegetables, surimi, etc.

multiple filling heads, and/or complicated depositor mechanisms such as buckets, cups, flappers, diverters, chutes, vibrators, and belts. They require little space on the line.

As product is placed cleanly into the container, seal contamination and re-work are minimized.

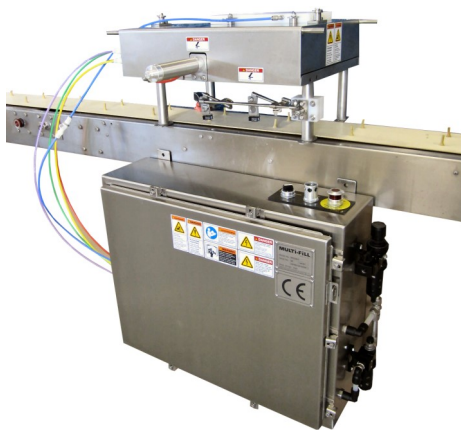
Stand Alone Systems Offer Flexibility

The distribution systems can be used in combination with our volumetric fillers, multi-head scaling machines, or other portioning systems such as

vibrator feeders, weighing or scaling machines, rotary pocket fillers, or counting machines.

Our distribution systems are mounted on top of the container conveyor line. A stainless steel enclosure is mounted on the side of the container conveyor line. It holds all electrical and pneumatic components (Allen Bradley controller).

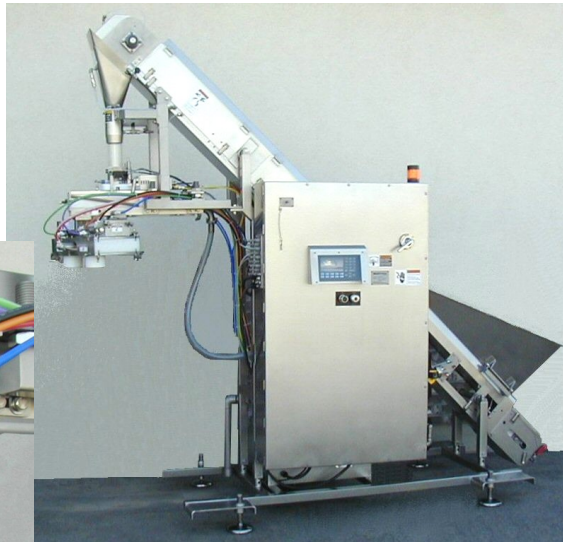
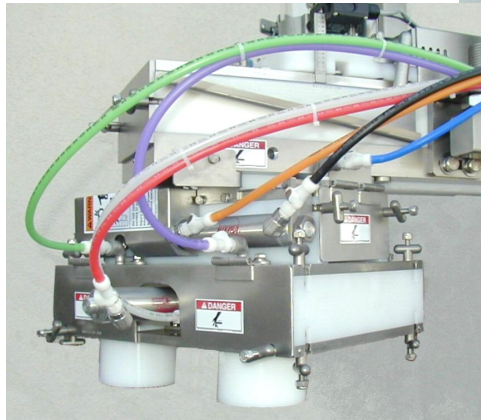
These systems require 60 PSI compressed air and 120 VAC electrical power.



Two-position stand alone distribution system

Easy to Clean

Our systems are easy to disassemble and clean. No special tools are required.



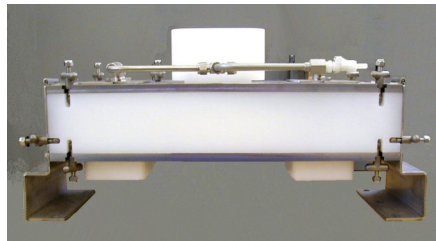
MPFSC-120-01 filler with extended conveyor to adapt to a dual bag Toyo horizontal bagging machine, model TW9, filling rice, pasta, vegetables, and fruit into Doypack-type bags at speeds up to 100 cpm.



Three each, four-position distribution systems at speeds up to 252 cartons per minute (21 cycles x 12 containers)



Three-position distribution system with MPFSC-120-01 filling machine



Two-position distribution system



Six-position distribution system filling Chinese noodles at speeds up to 72 cpm

No Container, No Fill Feature

This optional feature will discharge doses only if a container is present. It requires additional sensors to confirm there is a container in each location and will prevent wasting product if a container is missing. This is also a convenient way to start and stop the action of discharging product into containers at the beginning and end of a continuous run.