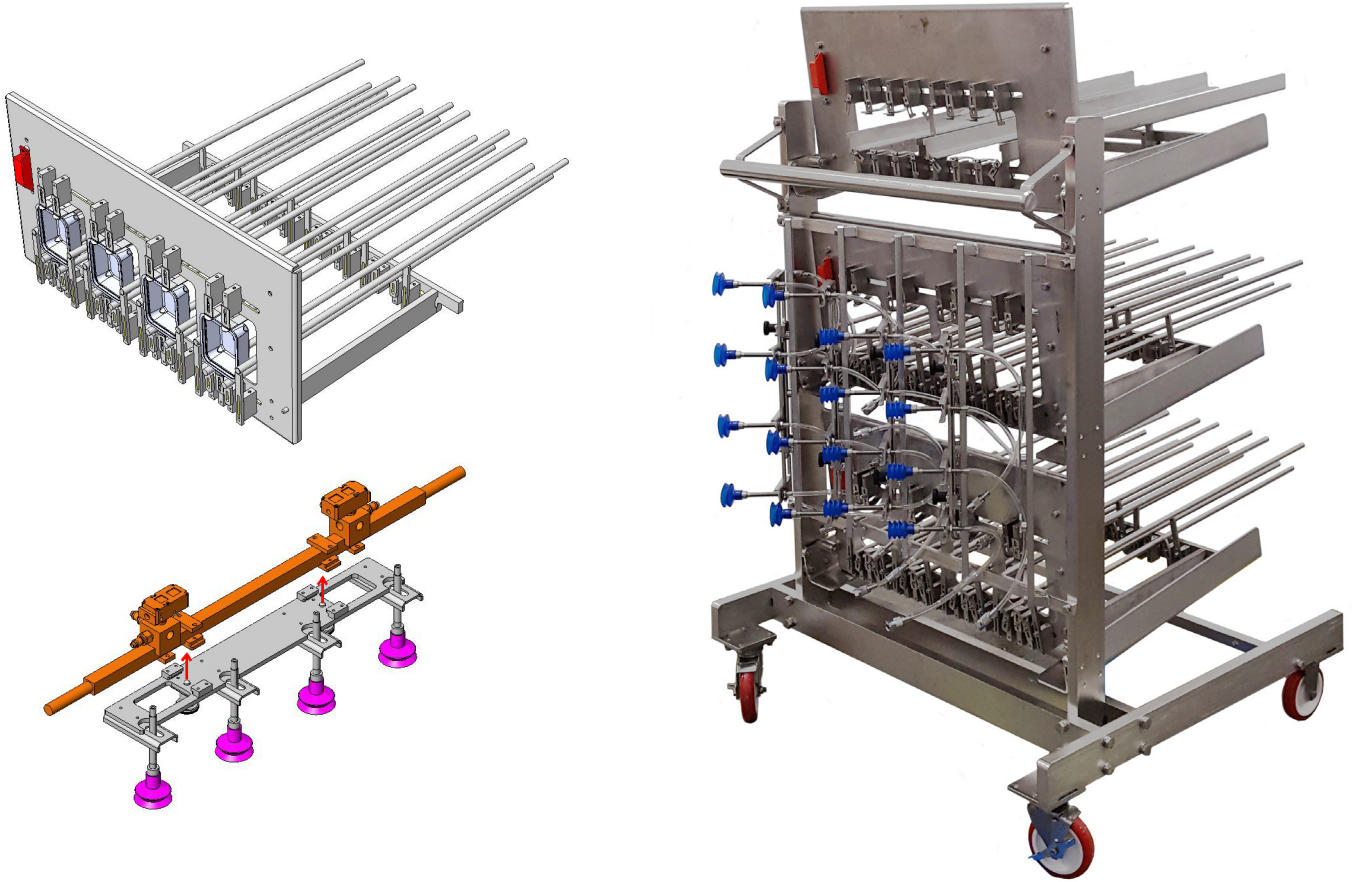


QUICK CHANGE MAGAZINES AND ACCESSORIES



**Quick-Change Magazines
for Frequent Change-Overs
and Repeatable Start Ups**

QUICK CHANGE MAGAZINES AND ACCESSORIES

Quick-change magazines are designed for users who require frequent changeovers. “No Tool” and lift-out / lift-in design assure quick and repeatable changeovers between product sizes that run on our pick and place machines.

Functional Design

- Three construction grades to match application needs, including water resistant/wash-down
- “No tool” design; loosen handles and “lift out” and “lift in” the quick change magazine.
- Optional “no tool” quick-change vacuum stem tooling allows operator to remove and attach new tooling set up for specific products reducing changeover further.

Product & Size Ranges

- Magazine size dependent upon machine width, pick arm size length.
- Ideal for nested products such as paper board, aluminum, and plastic trays, bowls, tubs & lids.

Features (Standard)

- Multiple sizes and designs to suit application.
- Dedicated magazines allow operators to easily change over between products and eliminating clipping and fine tune adjustments each time product is run.
- Dedicated magazines enable repeatable changeovers and increased line efficiency.
- Skill simplicity. Since operators are easily able to change over between products, it frees up mechanics time.

Options

- Quick-change vacuum stem tooling allows dedicated positioning of vacuum cups for products vs. manual adjustments for vacuum stem position (width, height, and depth of vacuum cups). This results in easy and repeatable changeovers.
- Carts designed to hold and store multiple sets of quick-change magazines and vacuum stem tooling offers protection and portability to and from the line.

Specifications

- Dedicated quick-change magazines have an aluminum face plate with product clipping designed, setup and tested for specific products. Typical changeover time is 5 minutes on-line.
- Universal adjustable magazines are available for similar products in width or height. They include slotted adjustments to adjust the magazine width, height, and clipping adjustments. Typical changeover and fine tuning after changeover is 20-35 minutes on-line.

Reduced Labor Costs - Quick-change magazines often reduce changeover time from hours to minutes which can often be a 75% reduction in time than using a standard adjustable magazine. By reducing labor 75% each time a changeover is performed, companies can quickly realize return on investment from the initial purchase of the quick-change magazine.

Style of Magazine	Estimated savings based upon 20 changeovers per week with labor calculated at \$25/hour
Quick-Change Same footprint but different depth - Stacked Lanes	5 minutes(to adjust the depth of the magazine to the new product) versus a typical changeover of 45 minutes = \$250 savings per week or \$13,000 per year.
Quick-Change Magazines that are product specific	5 minutes (to remove and insert new magazine) versus a typical changeover of 30 minutes = \$208 savings per week or \$10,834 per year.
Adjustable Universal Magazines	30 minutes off-line to set up magazine for designated product + 5 minutes on-line (to remove and insert new magazine) = \$42 savings per week of \$2,167 savings per year.
Quick Change Vacuum Stem Tooling	5 minutes (to remove tooling and attach new tooling preset to product) versus a typical changeover of 30 minutes = \$208 savings per week or \$10,834 per year.