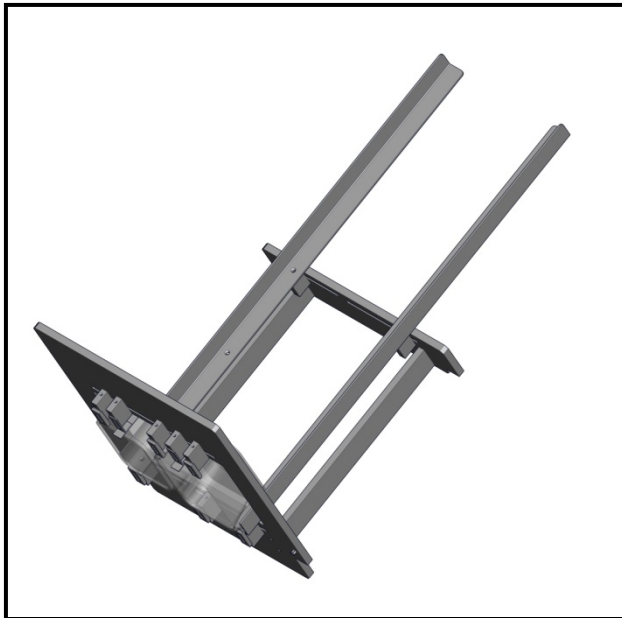
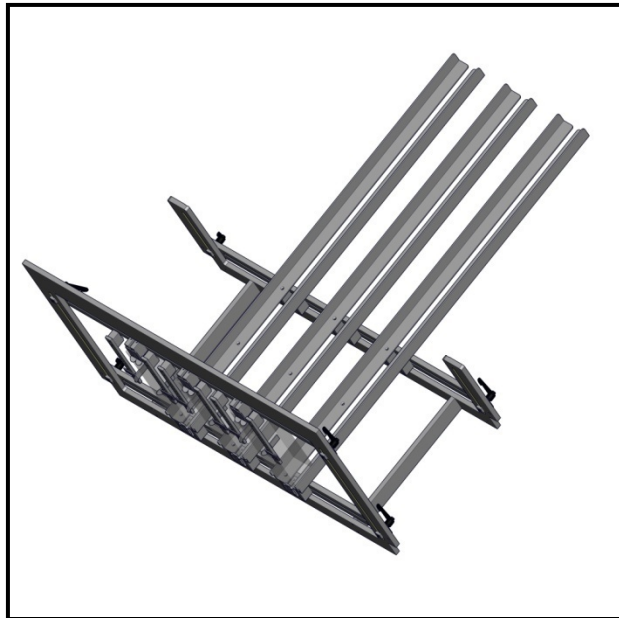


QUICK CHANGE MAGAZINES

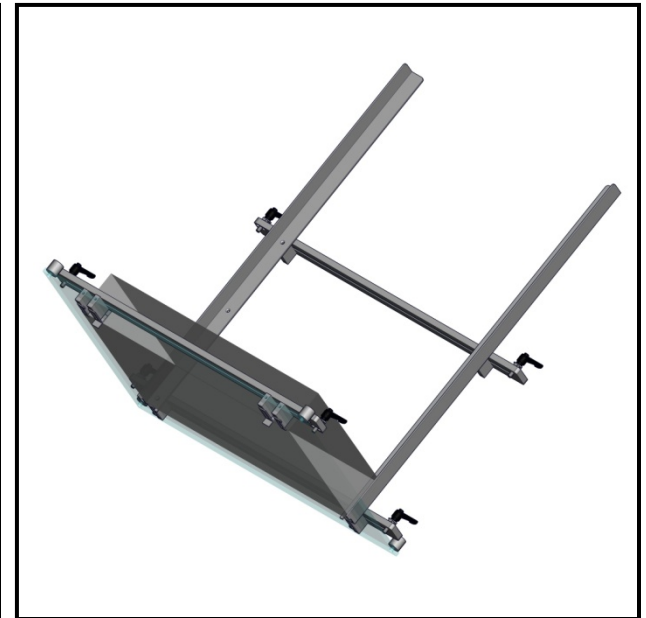
Quick-Change Magazines for frequent changeovers are quickly adjustable for specific products



Quick- Change Faceplate Magazines



Quick- Change Universal Magazines



Quick- Change Adjustable Magazines

Three models of quick-change magazines for both reciprocating and rotary vacuum placers



GRAPHIC PACKAGING
INTERNATIONAL, INC.

Why use quick-change magazines?

Quick changeovers ... Quick-change magazines are designed for users who require frequent changeovers. These magazines can be dedicated or quickly-adjustable to specific products thereby enabling users to easily change from one product to another with minimal adjustments. These magazines can be “no tool” design and incorporate a lift-out / lift-in design and are available for both our reciprocating and rotary vacuum placers. . Three models of quick-change magazines are available, depending upon product characteristics, customers’ needs, and machine model:

<p>Quick-change face plate magazines ... have adjustable rails for finite setting of product widths, however, an aluminum face plate is dedicated to a specific product footprint which incorporates product clipping into the design. This type of magazine is the optimum solution for changeover functionality as it is set up “once” for a specific product thereby eliminating adjustments each time the same product is run.</p>  <p>Typical changeover time 5 minutes on-line.</p>	<p>Quick-change universal magazines ... are designed to run common products with minimal footprint changes. Universal magazines incorporate slots for adjustments required between product sizes. Product templates are provided to ease clipping in the magazine “off line” to enable quick changeovers when the magazine is placed into production.</p>  <p>Typical changeover time 35 minutes (30 minutes off-line and 5 minutes on-line)</p>	<p>Quick-change adjustable magazines ... designed with slotted adjustments to adjust the magazine width, height, and clipping adjustments easily. This design also allows flexibility for changing settings for other product footprints.</p>  <p>Typical changeover time 45 minutes on-line.</p>
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Reduced labor costs ... quick-change magazines often reduce changeover time from hours to minutes which can often be a 75% reduction in time. 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.

Here is an example:

Style of magazine	Estimated savings based upon: 25 changeovers per week and labor calculated at \$40/hour
Quick-change face plate magazines	5 minutes (to remove and insert new magazine) versus typical changeover of 45 minutes = \$670 savings per week or \$34,840 per year
Quick-change universal magazines	30 minutes off-line to set up magazine for designated product + 5 minutes on line (to remove and insert new magazine) = \$167 savings per week or \$8,710 savings per year.
Quick-change adjustable magazines	45 minutes on-line

Skill simplicity ... with dedicated magazines and no tool adjustments, operators are able to easily change over between products where mechanics were previously required to perform the task. This increases line efficiency while freeing up mechanics’ time.

For new applications, contact your Graphic Packaging International sales representative at 888-800-6861 to discuss how quick-change magazines can benefit you.

If you have existing machinery and would like to discuss a retrofit, please contact a parts sales representative at 800-258-1433.



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