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## New Top-load Case Packer for Dairy Products

MINNEAPOLIS MN - Delkor Systems, innovation leader for end-of-line packaging systems, introduces the new **Flex Loader® Case Packer** with design enhancements which optimize the system for use within dairy washdown environments. This new Case Packer will be exhibited for the first time in the Delkor Systems Booth #907 during the International Dairy Show 2010, September 13-15 in the Dallas, TX Convention Center.

Delkor's **Flex Loader Case Packer** is a gantry-style pick-and-place robot that is typically used within the dairy industry for a broad range of primary product containers in different shapes and sizes – e.g., tapered cups, bottles, sleeved multipacks, paperboard cartons, and more. The Flex Loader top-loads consumer unit packages into cases for shipping.

To meet different speed and versatility requirements, the **Flex Loader** can be configured with any of several product infeed options, including timing screws or pneumatic- or servo-controlled lane diverters whose function is to collate multiple product packages into a desired pack pattern for vertical loading into secondary package containers. Again based upon application needs, the **Flex Loader** can be outfitted with a pneumatic or mechanical gripper head. An available split-head option allows the machine to pick and load two product pack patterns into separate shippers during the same machine cycle, effectively doubling the output of the machine to approximately 30 single-tier shippers per minute. Product changeovers can be accomplished by a trained operator, without tools, in less than fifteen minutes.



To help preserve package integrity, the new model **Flex Loader** provides twin magazines for inserting separator pads between product levels within a multi-layered shipping case.

The **Flex Loader** system can be engineered to accommodate many different shipper styles, including regular slotted cases (RSCs), formed boxes or trays, Retail Ready Display Ready Trays, or dairy cases. Depending upon the shipper of choice, the new **Flex Loader** can be configured with an integral Case Closer with hot-melt adhesive or an automatic case tape sealer, thereby saving floor space.

Delkor engineers designed the new **Flex Loader Case Packer** to specifically meet the needs of today's dairy plant environment, with a robust list of standard features, including:.

- Welded tubular stainless steel frame
- Stainless steel feet with bolt-down holes
- Epoxy painted swing-arm mounting for HMI (stainless steel option)
- NEMA4 Electrical Enclosure (NEMA 4X option)
- Washdown rated motors
- “Safe Off” variable frequency drives and servomotors
- Interlocked safety guarding with redundant circuits.

Washdown resistance for the Flex Loader Case Packer can be further enhanced by selecting additional hardware options, including:

- Stainless steel woven wire guard panels (in lieu of standard Lexan panels)
- Stainless steel pick-and-place gantry robot
- Stainless steel “bullet foot” to minimize surface contact
- Sloped-top main electrical panel (no holes on top).



Delkor Systems, Inc designs innovative solutions for secondary packaging of all types: Cartoning, Case and Tray Packing, Flat Pad Spot-Pak® Packaging, and new forms of Retail Ready Packaging. Delkor’s engineering prowess has created a product portfolio comprised of all-new machine designs (none older than five years) with multiple patents. Delkor’s inventive yet practical solutions enable customers to become lower-cost producers through the application of automation, robotics and other packaging line efficiencies. For further information about Delkor and its products, contact Ken Sullivan, Director of Marketing at [ksullivan@delkorsystems.com](mailto:ksullivan@delkorsystems.com) or call 763-746-1886. Visit the Delkor Systems web site at [www.delkorsystems.com](http://www.delkorsystems.com).