

Delkor Systems, Inc.

Delkor Systems, Inc. (Minneapolis, MN) has long been known outside the dairy industry as one of the leading manufacturers of cartoning equipment. The company has a wide range of equipment designs specifically engineered for top-load cartoning applications, accounting for approximately 40% of Delkor's new machinery sales.

At the September 2010 International Dairy Show in Dallas, Delkor demonstrated its cartoning line for a tube yogurt application. The line consists of three separate machines. The first is Delkor's Trayfecta® carton former, which is an all servo design that forms either paperboard or corrugated cartons by either glue or lock-style. The formed carton then moves to the Delkor loading device, which for tube yogurt is a custom design that links directly to the filler, and is able to load a variety of pack patterns and flavor combinations at speeds up to 60 pack patterns per minute. The loaded tube yogurt carton then moves into Delkor's Capstone carton closer, which incorporates Delkor's patent pending Intelligent Positioning technology. As the carton moves into the closer it is analyzed by the Intelligent Positioning controls for a deviation in carton position. If a deviation is present, the carton closer is able to make the precise correction on the individual carton, even at speeds up to 150 cartons per minute. No other carton closing machine in the world has this capability.

Other dairy industry applications for Delkor's cartoning line include a variety of ice cream novelty as well as Retail Ready applications. The Trayfecta former



is particularly well suited to Retail Ready as it is capable of forming a wide range of either corrugated or paperboard display trays. In many cases the Trayfecta former can be added to an automated case packer or Spot-Pak® packaging line as a Retail Ready option. Two of the most popular uses for the Trayfecta former

within the dairy industry are forming a display tray for dairy cups or case forming of the top-load flange-seal case, which offers the same corrugated footprint as a wrap-around case. Due to the tool-less change-over design of the Trayfecta, it can convert from one package format in just a couple of minutes.



packaging innovation at work.