

## Fillers with extended shelf-life

The United States-based International Paper has introduced two new gable top packaging machines – Delta Q-16 and ESL-60. The modular Delta Q-16 can form, fill and seal standard and small cross-section cartons in a wide range of sizes and volumes, 177 to 1,150 ml, with its infinite fill adjust system. A second line can be added to this unit to increase packaging capability from 9,000 cartons/h to 18,000 cartons/h.

Delta Q-16 incorporates sophisticated technology and a PC-based control system with Windows-based operator interface. An integrated servo motion control system is used for the main drive, carton conveyor, metering bowl and carton lift. Consistent high-quality carton production in the forming and sealing areas is achieved with a horizontal in-feed, double bottom and top heaters, and simplified bottom folder system. Product integrity is maintained by sterilizing the fill system and product tank at 121°C, using a hermetically sealed double diaphragm metering bowl, automatic fill nozzle purging and recovery system, double high-efficiency particulate air (HEPA) environment and side-sloped table top.

ESL-60 forms, fills and seals paper gable top cartons at speeds up to 6,000 cartons/h. With its infinite fill adjust system, standard cross-section cartons can be filled in sizes and volumes ranging from 177 to 1,150 ml and mini cross-section cartons from 100 to 500 ml. Extended shelf-life (ESL<sup>®</sup>) features standard on the ESL-60 are machine enclosures, HEPA, auto sanitize, self-contained CIP, self-contained chemical sterilization and low-level H<sub>2</sub>O<sub>2</sub> with ultraviolet light and carton sanitization. These ESL options provide enhanced product safety and help extend the shelf-life of filtered milk, HTST and UHT processed refrigerated products.

Both the Q-16 and ESL-60 can be equipped with an on-machine applicator for International Paper's optional Spout-Pak™ pour spout. *Contact: International Paper, 6400, Poplar Avenue, Memphis, TN 38018, the United States. Tel: +1 (901) 7636 053; E-mail: comm.@ipaper.com; Website: www.internationalpaper.com.* (Website: [www.packaging-technology.com](http://www.packaging-technology.com))