

Robot Case Erector and Loader

A robotic case erector/loader integrates a FANUC LR Mate 200iC/5L multi-axis robot with special end-of-arm tooling (EOAT) to create an ultra compact and low-cost case packing system. Other FANUC robot models may be specified, depending on the required payload. Vacuum cups on the EOAT pick an RSC case blank from a magazine. The case is erected, the bottom is taped closed, and the case is placed in the loading position. Bottles can be fed to the robotic cell via a conveyor and collated into the correct 4 x 3 pack pattern. The robot then picks the entire pack pattern and loads it into the case. The robot EOAT then pushes the loaded case onto an exit conveyor. The case may be sealed manually, or secondary closing systems can be integrated. The TaskMate Robot



Case Erector/Loader will handle up to five cases per minute, providing an automated alternative to manual case packing processes. The custom designed EOAT can be configured to handle a wide variety of products. The system is also ideally suited for integration with track and trace applications. **ESS Technologies Inc.**, Blacksburg, VA; 540/961-5716; www.esstechnologies.com.

serting features a hot melt adhesive system with optional table top conveyor. The ECOM is a self-contained module that automatically loads



outserts from trays into the TopSserter. **MGS Machine Corp.**, Maple Grove, MN; 763/425-8808; www.mgsmachine.com.

Vertical Cartoner

A high-speed vertical cartoner features a compact rotary turret loading system that replaces the traditional race track vertical loader. This allows for easier maintenance as it has fewer parts and



is at an ergonomic level. The unit occupies a small footprint that improves operator optics during machine troubleshooting. The VC-VCA Vertical Autoload Cartoner comes with Allen Bradley controls and servo drives on all major motors. **AFA Systems Ltd.**, Brampton, Ontario; 905/456-8700; www.afasystemsinc.com.

PRODUCT-HANDLING EQUIPMENT

Bottle Unscrambler

A belt and hook bottle unscrambler features a compact, economical design, capable of speeds up to 300 bottles per minute. The unit features a low profile design with tool-less change over. Reinforced belts accurately control the movement and flow of bottles. Features include interlocked guarding, inter-



locked electrical access doors, and independent speed control. The Autosort 300 features an optional bottle clean-

ing function that can be incorporated without increasing the footprint. **IMA North America Inc.**, Leominster, PA; 978/537-8534; www.imausa.net.

Outserting Line

An outserter applicator is combined with an outsert module to provide a cost-effective, efficient solution. The packaging line allows workers to simultaneously preload up to 24 trays into a finger-safe conveyance system. The line reaches speeds up to 250 bottles per minute and feeds both flat and folded outserts from the magazine and places them on a bottle cap, carton, or other flat surface. The line combines the TopSserter II Outsert Applicator and the ECOM Extended Capacity Outsert Module. The TopSserter II for glue and apply out-