

# 5 Benefits

## That Give Robotic Cartoners A Winning-Edge Over Mechanical Solutions



As manufacturers increasingly need to do more with less, robot integrations are booming. According to a [recent report](#) by [PMMI](#), The Association for Packaging and Processing Technologies, the food and consumer packaged goods markets saw units increase 47.6 percent from 2017 to 2018, and the use of robots for secondary packaging increased to 70 percent from 48 percent in 2014. Here are 5 benefits that make robotic cartoners a winning secondary packaging solution.

### 1 Small Footprint

Peregrine® maintains high speeds and offers the ultimate flexibility—all in a small, hygienic, easy-to-use package. Peregrine places case forming and closing inline so there's no wasted real estate. In fact, the Peregrine has dramatically reduced the footprint of the overall cartoning system and eliminates problematic handoffs from conveyor to conveyor by as much as two-thirds.

### 2 No Conveyor Transitions

The Peregrine's high-speed JLS TRAK™ eliminates the need for any other conveyors to move cartons away from the former, to accumulate, or manage the loading process. The need for perpendicular transfers and additional conveyors are eliminated. Cartons are kept in-line, without turns—from forming and filling, all the way to closing.

### 3 Near Instant Changeover

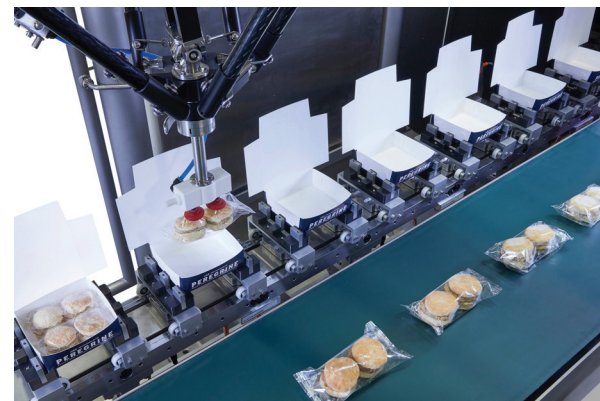
Changing from one carton size to another or changing products carton-to-carton is as easy as a simple push of a button on the Peregrine. The cartoning solution allows automatic changeover in seconds by selecting a setting on the HMI. Unlike other solutions that have potential downtime issues, Peregrine is completely flexible and adaptable thanks in part to its vision-guided technology.

### 4 Vision-Guided Flexibility

The Peregrine uses vision-guided robotics for the ultimate flexibility when placing naked or packaged products into cartons. Thermoformed pouches, flow-wrapped packages, flexible bags and more are no match for the system, which can handle products of different shapes and sizes on the fly without any downtime versus more complex mechanical solutions or manual options that require stop-and-go production.

### 5 Sanitation

Given that secondary packaging solutions are often found in areas where there is moisture, the Peregrine cartoning solution from JLS® is designed to get wet, shed water and eliminate any pooling. And with proprietary, sanitary Vacuum On Board technology, sanitation is as simple as an end-of-arm tool changeover—no cleaning needed.



**Contact JLS to learn more about Peregrine and how it can optimize your operation.**

