

Optimize Large-Scale Multishift Warehouse Operations

R5 Pro™ and R5+ Pro™ Robots

For today's online retailers, nothing can stand in the way of efficiency. Companies carrying large amounts of inventory and running multiple daily work shifts need to maintain peak performance and tight cost controls to compete in e-commerce markets.

The newest members of the Red Line family, the R5 Pro and R5+ Pro, are tailored for these large-scale warehouses that are growing steadily and can't afford any service interruptions during multi-shift operations. They support a fast charge, providing critical advantages for large-scale fulfillment and operations:

Increases Robot working time

A fast charge means the productivity of each individual Robot is improved, meaning you can reduce the size of your overall Robot fleet. With less Robots running atop the Grid, routing and overall system performance become more efficient.

Reduces the number of chargers

With uninterrupted multishift operations, the R5 Pro and R5+ Pro can significantly reduce the number of required chargers, lowering your overall system investment and installation costs while freeing up space around the Grid to add Bin capacity for holding more SKUs.

The new Robot is available
in two options:

R5 Pro

carries the 220 -
and 330-mm Bin

R5+ Pro:

carries the
425-mm Bin



Product Features

Higher Throughput

- Achieve around 14% higher throughput per Robot.

More Working Time

- Lower charging time during multishift operations by up to 50% and double the time between charging.

Fewer Chargers

- Up to 86% fewer chargers frees up Grid space for more SKUs, more growth!

Improved Monitoring Capabilities

- Sensors for temperature, battery charge, current consumption, and more.

Key Benefits

Improved productivity for multishift operations

The reduced charging time of the R5 Pro dramatically increases the overall productivity of the system. With improved throughput per Robot, you can reduce your Robot count by up to 15%, optimizing the routing of Robots and enhancing your overall system productivity.

Space optimization

With the R5 Pro, you only need 1 charger for 10 Robots. The reduced number of chargers improves storage density by freeing up space around the Grid where you can add Bins to store more SKUs.

Lower installation and service costs

Fewer components due to the reduced number of chargers and Robots on the Grid also means a smaller and less costly electrical infrastructure, along with easier maintenance and lower service costs related to chargers. This will lower your overall cost of ownership.

