Honeywell Intelligrated

Create Safer and More Productive DCs

COVID-19 Impacts and Market Trends

In a few short months, the COVID-19 pandemic has reshaped the distribution and fulfillment (D&F) landscape.

E-commerce growth has accelerated 4 to 6 years faster than anticipated.

- Online sales are up 77% year-over-year.
- Newly formed online purchasing behaviors are becoming permanent.
- Curbside pick-up has become widely accepted.

Investments in automation and robotics are on the rise.

- Respond to increased supply chain pressures (picking, packing and shipping).
- Mitigate the risks of slowdowns or shutdowns.
- Keep up with increased competition for talent in a tight labor market.

The CDC recommends the following workplace guidelines.

- Device share only with proper cleaning.
- Personal protective equipment (PPE) is now a necessity.
- Workers should follow social and/or physical distancing recommendations.
- Employees should be continually monitored for elevated temperatures.

Technologies and Strategies for Addressing New Workplace Challenges

DC managers need to utilize available tools, technologies and fulfillment strategies to enhance workforce safety while driving peak productivity levels.

Protecting People and Places

Contactless building access

Facial recognition and thermal scanning technologies provide workers with hands-free building access while detecting elevated body temperatures.

Personal protective equipment

Individual PPE is essential for meeting the CDC's workplace safety guidelines and instilling worker confidence.

Device-tracking capabilities

Achieve compliance with social distancing, provide cleaning/hygiene instructions, and enable device check-out/check-in management.

Building monitoring and analytics

From clean air recirculation, ventilation and filtration to frictionless access and smart monitoring, building technologies and analytics software improve employee well-being and productivity.

Driving Labor Productivity

Labor management software

Drive worker productivity and procedure compliance, manage and measure employee engagement, and retain top-performing employees.

Voice and mobility devices

Meet demand surges, deploy new hires rapidly, and promote adherence to safety protocols with mobility devices that deliver measurable gains in productivity and accuracy.

Remote maintenance and training

Enable remote audio and video collaboration with experienced support experts using augmented reality glasses. Continue employee training with comprehensive distance-learning programs.

Optimizing Operations

Robotics integration

Augment or replace repetitive picking, packing and truck unloading tasks with robotics. Reduce reliance on manual labor while increasing productivity.

Voice-enabled devices and analytics software

Combine proven voice technology with analytics-driven software insights to serve the safety and productivity needs of modern D&F requirements.

Micro-fulfillment center (MFC) strategies

Utilize highly automated, high-density, small-footprint MFCs where they are needed most to shorten last-mile delivery and reduce the cost per package shipped.

DC monitoring, control and visibility

Monitor every aspect of DC activity in real time — from environmental climate quality and ventilation to facility occupants and people flow to the management of safety and security.

Data-driven insights into asset performance

Leverage the power of the internet of things (IoT) to capture operational data and gain access to actionable insights pertaining to asset conditions and/or related processes.

Intelligent warehouse execution

Deploy warehouse execution systems (WES) and software with intelligent decision-making capabilities to seamlessly orchestrate, automate and optimize order fulfillment processes.