

7 WAYS HONEYWELL IS USING AI TO IMPROVE END-TO-END PRODUCTIVITY

The integration of AI into enterprise solutions is transforming the supply chain in profound ways.

Artificial Intelligence has achieved immense notoriety throughout multiple industries and in various applications. That’s why Honeywell harnesses AI to power our workforce solutions for data collection and automation. Our AI-powered solutions are designed to enable today’s industrial workforce to quickly tap into answers and outcomes, helping deliver time savings, greater accuracy, and improved workforce productivity. Explore seven ways we are powering up our solutions with AI:

1 DIGITIZING YOUR WORKFORCE WITH AI:

As businesses throughout multiple industries experience high workforce turnover rates, the familiar feel of Honeywell’s mobile computers can empower new hires to get to work and make gains in productivity.

In partnership with Qualcomm Technologies, this mobile computing suite is further enhanced with Honeywell’s AI-enabled Multi-Modal Intelligent Agent (MMIA), a digital resource for the modern workforce, providing quick access to information and outcomes. MMIA is designed to give that same level of confidence and comfort for enterprise-grade solutions so they can get their jobs completed. The CT47 mobile computer is an ideal solution for you and your workers to experience the innovation that this collaboration brings.



2 EXPERT LEVEL KNOWLEDGE

Let MMIA become your workforce’s in-depth and real-time library. Through language prompts, photo-capture, and more, workers can access a litany of information within seconds, elevating employee knowledge bases to an expert level and enhancing daily workflows by alleviating workers of mundane tasks.

By 2025, we plan on leveraging generative AI in Honeywell technology to support rapid resolution to inquiries through MMIA’s ability to data crawl. MMIA will source thousands of articles, datasheets, user manuals, and configuration guides and synthesize responses to inquiries naturally.

3 PREDICTIVE ANALYTICS

Honeywell Operational Intelligence is a powerful software platform that empowers its users to unearth in-depth analytics and data, even from previously untapped data sources. It gathers the data collected by deployed devices. It makes precise recommendations and predictions with Enterprise Automation Engine, featuring rule-based alerts and automation to help avoid challenges before they impact productivity downstream. Operational Intelligence lets you know exactly how your devices are being used and treated and will help you elevate your operations to a new level of precision and control.



4 AI-POWERED MACHINE IMAGING

SwiftDecoder™ is integrating AI to revolutionize our advanced data capture capabilities. By harnessing the power of AI, SwiftDecoder™ aims to deliver more innovative features that streamline data processing workflows and enhance accuracy and efficiency.

SwiftDecoder™ leverages the latest optical character recognition technology to pull data accurately and is designed to enhance workflows throughout the supply chain. SwiftDecoder™ leverages proprietary, enterprise-grade algorithms to deliver speed, range, and accuracy, boosting performance across various workflows utilizing camera-enabled devices.

With machine learning algorithms, SwiftDecoder™ adapts to various data inputs, continuously improves performance, and unlocks new features in imaging, data collection, OCR, and augmented reality.

5 AI-ENABLED VOICE AUTOMATION

Honeywell Guided Work Solutions leverages the power of AI and machine learning to help bring greater operational efficiency and better shopper experiences to retailers.

Honeywell Guided Work Solutions’ AI-driven speech technology enables in-store associates to perform tasks like click-and-collect order fulfillment, shelf restocking, and returns processing quickly and efficiently. The updated solution walks retail associates through workflows in real-time by combining headset-enabled speech direction with software that offers insights and analytics built on Honeywell Forge architecture.

A worker can talk with a hands-free headset and then receive specific directions and confirmation that they are selecting the right items. With the integration of AI, the solution can help employees understand their speech in more than 48 different languages despite variations in tone, dialect, and pronunciation.



7 AI-ENHANCED SCANNING

Honeywell Granit Ultra is an ultra-high-speed scanner to help clear process bottlenecks throughout your operations. Granit Ultra integrates high-speed processing, AI algorithms, and decoding enhancements, resulting in an average 45% scanning speed increase over the Granit XP and enabling improved productivity.¹



Honeywell’s partnership with Qualcomm Technologies leverages on-device generative AI and high-performance computing to enhance mobile workforce solutions. This partnership aligns with Honeywell’s strategy to capitalize on megatrends, particularly in automation, by improving operational efficiencies.

CONTACT US

For more information
automation.honeywell.com

Honeywell Industrial Automation
855 S Mint St.
Charlotte, NC 28202
800-582-4263
www.honeywell.com

1. Honeywell standard benchmark testing conducted on Granit Ultra SR and XR models vs. Granit XP on 6 collections of reference barcodes.
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