

ABB at Robotics and Automation to show ‘distribution center of the future’

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ABB will demonstrate how the use of its latest automation technologies will lead to responsive, profitable and sustainable distribution centers at Robotics and Automation 2019 (<https://www.roboticsandautomation.co.uk/>), taking place at the Ricoh Arena, Coventry, 29 – 30 October 2019. Stand 502 will feature examples from ABB’s logistics automation and digital portfolio, with experts on hand to explain the benefits of the technologies and how they can be best deployed.

Today distribution centers are increasingly handling a wide variety of parcel sizes, distribution requirements and shifting demands as e-commerce markets continue to proliferate. ABB’s demonstrations will show how solutions such as ABB’s Robotic Singulator Cell can be used to separate small parcels from bulk flow as well as auto induction of parcels to sorter systems, an activity that is largely performed manually today.

As a standardised solution, the Robotic Singulator Cell provides an ideal answer to distribution centers looking to improve flexibility simply by making it easier to install, program and operate an automated workflow.

Also on show from ABB’s portfolio will be the dual and single arm versions of YuMi® collaborative robot, which will demonstrate the collaboration possible between robots and humans. Offering enhanced safety and simplicity, the YuMi family provides the ability to manage a combination of low volume/high mix products whilst humans can either work safely alongside the robots or can be redeployed to other more high-value, problem-solving tasks.

Simplification will also be demonstrated by the new Flex Pendant handheld controller which enables operators to perform many of the tasks involved in robot operation on an intuitive tablet resembling a video game control.

Visitors will additionally see ABB’s new OmniCore™ controller, which features ABB Ability™, Connected Services and SafeMove2 safety software built-in as standard.

“As the demands for quick delivery multiply in today’s digital culture, distribution centers are under immense pressure to future-proof operations,” says Russell Holmes, Sales Manager, Service Robotics at ABB, “At Robotics and Automation 2019, we will show how robotic automation solutions deliver the flexibility and productivity needed to sustain a responsive and profitable distribution center, whatever the size. Automation solutions such as the Robotic Singulator Cell can help distribution centers ensure that the full scope of requirements typical of today’s evolving e-commerce market are met in a timely manner.”