

Who's Going Mobile at ProMat 2013? Numina Group's Smart Pick Cart AGV Robot for Order Fulfillment

/EINPresswire.com/ Numina Group's Smart Pick Cart™, a [pick to light](#) and voice directed batch pick order fulfillment solution has been married to AGV. The AGV Robot reduces manual cart movement labor by 30% or more and will debut at ProMat 2013 in booths 3938 & 1523



WOODRIDGE, IL. - Numina Group's latest Automated Guided Cart, Smart Pick Cart AGC™ is a joint development with MMPEX Systems, a leading USA provider of mid-size Automated Guided Robotic Carts referred to as AGCs. The Smart Pick Cart AGC™ will be featured for viewing at ProMat 2013 from January 21st through the 24th at McCormick Place in Chicago.

The AGC provides a low cost, scalable robot transported cart for goods-to-person picking solutions that accelerate pick rates and accuracy in order fulfillment.

Voice Picking paired with AGCs increase picking/kitting accuracy, reduce walk time, and optimizes productivity. The AGC Robots intelligently transport, deliver and route the mobile carts in an optimized work path; maximizing efficiency and balancing work throughout order picking. Work is brought to the initial pick zone and a combination of pick to light and voice with hands free scanning directs the pick and validation process.

Order fulfillment becomes a leaner, single touch pick process. At pick completion the AGC transports the pick carts directly to Pack [Automation Conveyor](#) Lines that include in-line weigh, dimensioning, void fill, pack sheet print/insert with high performance [print and apply](#) labeling that eliminates the "bottle-neck" in pack areas and further reduces labor in the operation.

"Smart Pick Cart AGC™ easily pays for itself through gained productivity by automating movement throughout the parts kit picking operation found in automotive and manufacturing," explains Mark Bogaczyk VP of Engineering for MMPEX Systems. "Combining our industry leading AGC vehicles and family of innovative carts with Numina Group's RDSTM Order Fulfillment and Routing Software allows us to rapidly deploy advanced part kit picking and extend our AGC technology to the distribution and warehouse automation markets."

The AGCs and order fulfillment process is managed by Numina Group's Real-time Distribution System, RDS™. RDS™ is a true Tier 1 WCS with a fully developed voice pick module that includes labor management and velocity based SKU picking analytics to improve slotting and pick-path optimization. These tools deliver a faster return on investment while increasing the profitability of distribution operations.

RDS™ voice picking technology requires zero voice training by deploying TopVox™ the World's leading speaker independent voice engine. The lean automated AGC pick process results in a 30% faster pick rate compared to a voice only manual pick cart.

Smart Pick Cart™ can scale from small DC's to large highly automated sophisticated DC operations. RDS™ controls the entire order fulfillment process including Order Release, Cartonization, Work Balancing and Work Assignment of 12 or more orders to the pick carts.

Attendees of ProMat 2013 have the opportunity to see Smart Pick Cart™ at booth 3938 and 1523.

About The Numina Group. Founded in 1986, Numina Group is a leading material handling automation integrator and Warehouse Control System, WCS provider. Core focus is design and implementation of lean, automated processes for Pick, Pack, and Ship Order Fulfillment. Services include define, design, and implementation process improvement automation for existing and new distribution and warehouse operations. To learn more about how our technologies can improve order fulfillment operations visit Numina's website at www.numinagroup.com.

About MMPEX Systems. With over 60 years of material handling experience MMPEX combines manufacturing and automated movement technologies to provide ergonomic material flow, equipment, and systems for order filling, error proofing, and ID systems for zero-defect quality. These solutions reduce parts handling, minimize employee movement/motion, eliminate errors, minimize distance traveled, reduce training time, simplify product adjustments, minimize product footprint, and reduce potential for injury.

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