2017 MHI Innovation Award Finalists Announced

After receiving a record 153 submissions for the 2017 MHI Innovation Award, MHI asked seven judges comprised of professionals from the material handling and supply chain industry to complete the initial vetting process. As a result, four finalists were chosen as the most innovative products in each category—Best New Innovation; Best Innovation of an Existing Product; and Best IT Innovation based on concept, value, and impact.

Best New Product:

Company	Product
Proship, Inc.	CVP-500 Automated Packaging System
PINC Solutions	PINC Air: Inventory Robotics
DSA Systems, Inc.	PICAVI Smart Glasses
6 River Systems, Inc.	Collaborative Fulfillment Solutions

Best Innovation of an Existing Product:

Company	Product
Big Ass Solutions	Powerfoil X3.0 with SmartSense
Transbotics	Natural Navigation AGV
Schaefer Systems Int., Inc.	Weasel
EuroSort Inc.	Twin Push Tray Sorter

Best IT Innovation:

Company	Product
Schaefer Systems Int., Inc.	WAMAS 5.5.3
Emulate3D Ltd.	Virtual Reality – HTC Vive
ServiceMax by GE Digital	IOT Connected Field Service
Ubimax GmbH	Enterprise Wearable Computing Suite

The MHI Innovation Award serves to educate and provide valuable insights on the latest manufacturing and supply chain products and services to ProMat attendees. ProMat 2017 exhibitors were called to submit a new product, product line, technology or service or new application of existing products or technology that create quantifiable and sustainable results in terms of ROI, cost savings, customer satisfaction, etc.

On Monday, April 3, 2017, finalists will present their unique solutions to a panel of judges on the show floor at ProMat 2017. The winners in each category will be announced at ProMat 2017 on April 5 during the MHI Industry Night with Dana Carvey.

MHI would like to thank the individuals from the following companies for graciously volunteering their time as Innovation Award judges: Shaw Industries; Ashley Furniture; Boeing; Big Lots!; McKee; Luxotica; and DHL eCommerce.

Below is the complete list of submissions for the 2017 MHI Innovation Awards.

Best New Innovation

A-SAFE USA (Booth: S1668)
Product: RackEye
A revolutionary safety system for racking structures, RackEye™ monitors your racking around-the-clock on a 24-hour, seven-days-a-week basis.

Advance Storage Products (Booth: S1050)
Product: Rover
Unlike conventional racking systems and legacy cart or crane-based AS/RS systems, multiple Rover vehicles move simultaneously, bi-directionally and to multiple levels throughout the storage rack.

Advanced Charging Technologies (ACT) (Booth: S2393)
Product: Quantum Charger
What sets Quantum chargers apart are remote firmware and software updates with zero downtime, designed to immediately improve operations efficiency. Assets sync seamlessly and keep running without interruption, as automated functionality updates push from ACT's Network Control Center to all chargers in the field—all without effort on the customer's end.

Bastian Solutions (Booth: S3646)
Product: Robotic Document Inserter
The innovation resides within the use of common technology in manners not used before. In using a high speed industrial robot in conjunction with a serious of verification cameras, the Bastian Solutions Robotic Document Inserter offers a reliable means to handle the paperwork associated with an order. With as many as 6 printers unique to each cell, the throughput rates are scalable and can operate at uniquely high levels. Integrating with up to 6 printers provides real-time redundancy and the ability to recover from nearly every fault without operator involvement.

with board level relay alarms, and the ability to define virtual protective walls around up to 8 restricted areas to protect personnel and equipment, all in a cost competitive package. Competitive overhead crane position monitoring and collision detection systems offer position sensors that are not as capable and only permit teachable positions through buttons or setpoint potentiometers.

DL Manufacturing (Booth: S5412)
Product: DL Dynamic Dock Seal
The DL Dynamic Dock Seal is a true innovation to solve a very real problem that has plagued the loading dock industry for years. By simply re-designing the head pad to meet the trailer rather than trailers of varying height trying to meet the head pad, a superior seal is creating protecting product and loading dock conditions.

Drader Manufacturing (Booth: N417)
Product: Online Shopping Pick-Bin
The bin has a perforated base allowing water regression from fire suppression systems in the event of a fire. The bin has integrated divider(s) to allow for a "dense pick solution" with up to 4 separate SKU's in one bin.

DSA Systems Inc. – Picavi (Booth: N541)
Product: Picavi Smart Glasses
DSA and Picavi are committed to Innovation and implementation of manufacturing technologies globally. Our goal is to consistently deliver technology that improves processes, analytics and savings to our customers' bottom line.

enVista (Booth: S3978)
Product: Enspire Commerce (an enVista company), Enterprise Commerce Platform
Enspire Commerce solutions are exceptional in that they are built as business process objects sitting on top of multi-tenant architecture and integration Platform as a Service (iPass). This means the solutions easily integrate with retailers' existing solutions, effectively reducing integration timelines and cost, but also help retailers avoid the unfortunate and costly 'rip and replace' integration approach.

EZTurner (Booth: N738)
Product: EZturner
The EZturner is a manual load turner, it is designed to work with the weight of the load. If you are turning buckets or boxes by hand then the EZturner will help by speeding up the process and eliminating the risk for any injuries. It is low maintenance and requires very little space.

Fives Intralogistics Corp. (Booth: S3958)
Product: GENI-Flex Sorter
The GENI-Flex is the first automated non-compatibles sorter capable of handling over 95% of related product. The GENI-Flex sorter enables end users to install a stand alone non-compatible sort system, retrofit current belted systems, and/or use the GENI-Flex as the primary sortation for all their product. Rates of 1,800 units per hour can be sustained with an average product length of 4 ft. (max 200 lbs., 8' length).

FL-Simulators Inc. (Booth: S3474)
Product: Forklift Simulator
The easiest, safest and most effective way to screen, train and motivate operators. The use of genuine OEM forklift parts in combination with VR's 3D depth perspective provides a realistic driving experience and the back-end platform allows to collect and compare data in an objective way.

Flight Systems Industrial Products (Booth: S218)
Product: Xtender Battery Regenerator
Businesses will benefit from the Xtender Battery Regenerator by cutting their battery costs, as well as generating revenue by offering battery restoration services to their customers. The Xtender Battery Regenerator features the latest technology for regenerating lead acid batteries, and is available exclusively from Flight Systems Industrial Products.

Flirtey Technology Inc. (Booth: N1130)
Product: Flirtey
Flirtey is creating a world where anything can be delivered anytime, anywhere, within minutes.

Frazier Industrial Company (Booth: S3425)
Product: Frazier's Ergo Deep Case Picking Solution
Revolutionary racking design focused on employee safety, increasing productivity, and optimizing performance.

Innovative Waste Technologies, LLC dba Smash My Trash (Booth: N919)
Product: Smash My Trash Dumpster Smash Machines
Our Smash Machines are brand new to North America, disrupting the open-top container waste hauling market and saving millions in waste expenses for large scale customers. Our technology further advances the push to responsible waste and environmental stewardship, via efficient disposal, recycling, and minimal carbon footprint hauling.

Insight Automation, Inc. (Booth: S4239)
Product: PulseRoller's ConveyLinx Ai2 controller and Senergy Ai motor-driven roller
ConveyLinx Ai2 controller and Senergy Ai work seamlessly to give you a compact solution for low voltage motor-driven roller systems and several ways of control such as built-in accumulation, PC/PLC control, or writing your own standalone logic. The new Senergy Ai drive now offers advanced intelligence on board to communicate important information to the controller about the motor such as diameter and gearbox information, serial number, motor status, and much more.

Intelligrated (Booth: S2003)
Product: IntelliSort HDS
While other sorters on the market can help with this same application, the IntelliSort HDS is innovative because it is the only compact, positive sorter that precisely sorts irregular e-commerce packaging at a high rate while occupying a compact footprint. The sliding shoe sorter offers positive sortation and patented soft touch technology in a dual sided configuration that revolutionizes how e-commerce shippers can process orders for greater delivery speed and reduced shipping costs.