

Chuck AMR: Case Study

Legend Valve Leads With Automation

Legend Valve Has Serviced The Wholesale Plumbing Industry Across The United States For Over 30 Years.

They differentiate their business with best-in-class customer service, offering money-back guarantees if customer expectations aren't met. Legend Valve promises they will have the product on their shelves so they can ship it to customers within 24 hours and with 100% accuracy.

In designing their fulfillment solution, which integrates discrete automation solutions from Packsize and 6 River Systems, Legend Valve orchestrated an impressive process that enables them to pick, pack and ship orders even more quickly and efficiently.

A Fulfillment Solution WIth Chuck At Its Core

Using a very manual process previously, Legend Valve evaluated several solutions to increase efficiency. From adding conveyor to goods to person automation to pick-to-light technology, these solutions were all very complex deployments. Legend Valve found a better solution to automate repetitive tasks, freeing associates to further elevate the customer experience that the company is known for.

Solution At A Glance

CHALLENGE:

- Manual processes
- Limited capacity for fulfilling same day orders

SOLUTION:

- Packsize EM7-25
- 10 Chucks w/ Mobile Printers, Ring Scanners & Custom Bagging Accessories
- 2 Autochargers
- Seamless Integration Between ERP (JD Edwards), Packsize & 6 River Systems

RESULTS:

- Doubled Pick Rate
- Increased Accuracy
- Reduced Transportation Costs
- Reduced Dunnage Requirements
- Reduced Products Damaged in Transit
- Reduced Employee Fatigue

> "The solution from 6 River Systems allowed fast implementation with minimal physical changes in the warehouse. The integration between Chucks, Packsize and our own ERP doubled our pick rates and increased our accuracy, both of which directly impact our customer guarantees."

- Larry Emmert, VP of Operations, Legend Valve

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CASE STUDY:

Legend Valve Leads With Automation



LEGEND
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"We were able to integrate and launch this system within a relatively short amount of time and more importantly, it worked on day one. The robots are the perfect solution for the way we do business."

- Larry Emmert. VP of Operations, Legend Valve

Ultimately, an integration between 6 River Systems and Packsize was the solution Legend Valve believed would best serve their business and ultimately, their customers. As orders come in, Packsize analyzes and efficiently cubes orders to optimize packaging. 6 River Systems intelligently allocates orders to optimize workflows and pick paths.

Within the aisle, 6 River Systems autonomous mobile robot Chuck, supports packing custom quantities of SKUs with an integrated mobile printer and accessory bag dispenser. When orders are fully picked and hit the conveyor at unloading, Legend Valve's ERP, JD Edwards, is updated with the status.

The Chucks carry all required items for the picker, from the mobile printer to the packing supplies and bags. The 6 River Systems' solution has reduced worker fatigue by eliminating manual processes.

Key Statistics

2X

Doubled Pick Rate

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Increased Accuracy

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