PickPal AMR Solution

Automation allows small online retailer to expand their business while reducing costs.

Why Choose Tompkins Robotics?

We deliver innovative robotic solutions to the most challenging supply chain problems so businesses worldwide are empowered to create a more efficient, flexible, and scalable future.

Businesses of all sizes navigate their supply chain challenges by harnessing the potential of Tompkins Robotics' innovative solutions to meet their demands today and pioneer future progress.

Innovation Mindset
We continuously push boundaries to reimagine automation and robotics solutions.

Partner for Success
We build collaborative relationships with customers and partners to surpass our collective expectations.

Excellence Always
We are committed to delivering unparalleled quality in every project.

The Company

A global apparel brand for kids and families was founded in 2014 by two engineer dads who sought to provide better clothing options for their children. Through innovative supply chain practices and eliminating traditional retail markups, they've made unique styles accessible to families worldwide.

The Goal

The distribution and fulfillment innovators sought to meet increasing e-commerce demands while navigating labor shortages and inefficiencies. They yearned to provide more clothing options to consumers by increasing picker efficiency while decreasing order processing costs and timelines.

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Flexible. Simple. Powerful.

The Solution

The e-commerce retailer installed 54 PickPal robots in its 12,000 square meter warehouse to enhance efficiency and bolster their warehouses for potential obstacles.

The PickPal AMR solution is attainable for retailers looking to:

1 Increase work productivity
PickPal AMRs increase productivity up to 200-300% by reducing picking errors and optimizing order grouping with well designed pick path routing.

2 Improve picking accuracy
Automation reduces human error by efficiently handling numerous SKUs and large delivery volumes. PickPal AMRs reduced picking errors by more than 10 times for this online retailer.

3 Reduce training and attrition costs
Automation offers a consistent picking solution during peak sales seasons. The upfront investment results in increased productivity from the robots year round.

4 Optimize cost savings
The initial investment for PickPal AMRs is customizable to each unique warehouse. The e-commerce retailer installed an advantageous number of robots to meet current demands, allowing room for expansion while balancing capital investment.

5 Scale business growth
PickPal AMRs offer a scalable solution. Following implementation, warehouses can immediately meet increasing consumer demand. Robots can be added to a site to grow with a business over time.

Results & Benefits

The online clothing retailer saw immediate benefits from utilizing the PickPal solution.

They saw an increase in throughput and a decrease in operating costs while quickly delivering products to satisfied customers.

Reduced cost per unit by 13%.

Increased picking efficiency by 300%.

Provided an immediate savings through the leasing model.

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Our PickPal Autonomous Mobile Robots (AMR) revolutionize order fulfillment with their directed work approach. This innovative system is engineered to streamline associates' tasks, sharply minimizing unnecessary walking time. Featuring an intuitive user interface, PickPal AMRs lead associates through pick tasks with efficiency and precision. This enhances performance levels and guarantees superior customer satisfaction.

Tony Villanova -
Tompkins Robotics Vice President PickPal Solutions

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