PRIME robotics

CASE STUDY

Distribution Palletization

CHALLENGE

Founded in 1988, Allen Distribution is a grocery distributor in Carlisle, PA. In 2020, the COVID-19 pandemic created significant challenges for Allen Distribution as they faced a surge in demand for their services and a severe shortage of labor and resources. To meet the increased demand and remain competitive, the Allen team recognized the need to automate several workflows to achieve their target goals and fulfill customer commitments.

SOLUTION

For its initial automation phase, Allen Distribution prioritized its most labor-intensive process--case picking. They partnered with Prime Robotics due to Prime's proven expertise in grocery logistics and the impressive payload capacity of their pallet AMR, which can handle up to 4,400 pounds. Prime Robotics worked closely with Allen to develop customized workflows, integrate critical software, and provide consultation on efficiency and cost savings best practices.

RESULT

Allen Distribution has achieved impressive results since implementing the case picking automation with Prime Robotics' MobilePallet solution. Before adding automating their case-picking process, they could pick only 135-150 items per hour, but now they realize over 350 picks per hour with the automated solution. This has enabled Allen to fulfill orders more quickly, giving them the flexibility to scale their operations and increase revenue. They are now expanding Prime Robotics automation solutions to other processes and distribution facilities.

CLIENT SNAPSHOT

AD ALLEN DISTRIBUTION

+	Client:	Allen Distribution
+	Location:	Carlisle, PA
+	Focus:	Grocery Distribution
+	Solution:	MobilePallet
+	Client Since:	2020

> "
> We've had a long relationship with Prime Robotics, from exploring ideas to the actual implementation and beyond. Our teams love working with the robots, and training is so much easier now for new hires."
>
> Jeremy Bonebrake
> Warehouse Improvement Specialist
> Allen Distribution