PEAKLOGIX
Think Efficiency.

OPTIMIZING STAFF
TO INCREASE THROUGHPUT

Merit Medical experienced heavy growth and needed to expand their storage capacity and improve their throughput.

CUSTOM SOLUTION BY PEAKLOGIX RESULTED IN 200% INCREASE IN PICKING PRODUCTIVITY

The Challenge

Merit Medical experienced heavy growth and needed to expand their storage capacity and improve their current pick by paper system. They aimed to double the volume of orders picked and shipped in a given day while maintaining current staffing levels, improving efficiency, and allowing for anticipated growth.

One challenge was to replace the single order pick to paper process with advanced technology

The Solution

Picking by paper for each individual order was upgraded to batch picking using voice pick technology. Narrow aisle handstack racking was designed using wire guidance to optimize space without limiting forklift mobility. A put wall was implemented to redirect odd sized items and consolidate orders. Print and apply technology was integrated with the system along with an accumulation conveyor to aid in shipping efficiency. The project took approximately 5 months to design, install and commission with minimal disruption to the existing operations.

Key Results

PeakLogix helped Merit Medical double volume, increase productivity, maintain staffing levels, reduce overtime, and reduce costs.

200%	**2x**	**$100K**
INCREASE	VOLUME	FREIGHT SAVINGS
in pick productivity	while reducing workforce	per year

PROJECT HIGHLIGHT: We implemented this project with minimal downtime or interference to our client's normal operations.

The Solution in Detail

PeakLogix integrated advanced technology to facilitate the results yielded, from pick to voice, print and apply, and accumulation conveyor.

RDS software by Numina Group was integrated with the client's existing WMS (Oracle) to allow for voice picking technology.

PeakLogix integrated print and apply technology from Numina Group that bookends the order fulfillment.

Installed 24V MDR technology with 36" accumulation zones. The infeed conveyor feeds 3 separate lines.

INCREASE PICKING

▸ All items are picked at once rather than by order, allowing pickers to visit a location far fewer times in a shift

▸ Remote video displays allow the pickers to know which areas have the most picks, giving them the exact bin location of each product

▸ Identifies priority picks so time sensitive orders are picked and shipped within defined parameters

▸ RDS allows the picker to apply a unique Load ID label to each item picked for tracking and conveyance purposes

In partnership with **The NuminaGroup**

EFFICIENT SHIPPING

▸ Packages are scanned and weighed using an in line scale, then measured for their precise dimensions using a dimensional scanner

▸ Package details are sent to RDS / Oracle to generate the necessary shipping label, which is printed and applied automatically using Numina Group technology and equipment

▸ Packing slips are also printed, folded, and applied automatically as needed

▸ Boxes are scanned for confirmation that the correct shipping label goes with the correct Load ID

ACCUMULATION CONVEYOR

▸ Packages are diverted down 1 of 3 lanes to a given shipping door assigned to the ship method

▸ The first line is the consolidation line

▸ The second line is a bypass line for any full load or LTL orders

▸ The third line is for parcel shipments requiring shipping labels

▸ A final line diverts any items that do not verify or have had a failure along the conveyor to the Put Wall for remediation