



CUSTOMIZED MICRO-FULFILLMENT SOLUTIONS

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## WHAT IS MICRO-FULFILLMENT?

Today's customers focus on convenience and shopping experience. Thankfully, McMurray Stern's micro-fulfillment solutions are making it possible for smaller retailers and grocers to not only compete with the corporate giants, but exceed the customer expectation for convenience, speed, and accuracy. Our micro-fulfillment solutions help get products closer to the customer by allowing for on-demand delivery and cutting down the distance between the warehouse and the customer's front door.

# ADVANTAGES OF MICRO-FULFILLMENT SOLUTIONS

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The McMurray Stern automated micro-fulfillment solutions put you at an advantage. We have five different approaches to meet your needs and your customer's demands, with each solution offering a different price option, rate, and speed.



## ENHANCED ADAPTABILITY

Meet your customer's demands in-store and online with our micro-fulfillment solutions.



## ECONOMICALLY FRIENDLY

Watch your delivery and operational costs lower significantly by using micro-fulfillment delivery in one area.



## FASTER DELIVERY

We have the exact micro-fulfillment solutions to match the scope of your business and customer needs, quickly.



## INCREASED SCALABILITY

Our scalable solutions have the ability to offer your business a range of capabilities.





## VERTICAL LIFT MODULES (VLMs)

Vertical lifts are the ideal storage solution for industrial products, components, and spare parts for all possible environments and industries. Many retail and grocery companies have chosen our lifts to help organize and improve their workflow, thanks to their flexibility, wide range of models available, superior design, and ease of use.



## CAROUSELS

Carousel systems enable highly efficient storage and picking processes in the smallest possible space. Carousels are an outstanding solution for handling small parts along with medium to slow-moving products including retail, pharmaceuticals, cosmetics, electronics components, media, and food items.



## SHUTTLE SYSTEMS

Our cuby and flexi shuttle system options are ideal automated storage and retrieval solutions that can be used in a variety of different industries, enhancing storage efficiency. The cuby reliably move containers and cartons weighing up to 35 kg, while the flexi shuttle uses a modular concept, combining shuttles, lifts, and a racking system. This allows for flexibility, space optimization, and high levels of technical performance.



## POUCH SORTERS & CARRIERS

Pouch sorters and carriers enable the accumulation, buffering, distributing, and sorting of goods. Pouch sorters have high throughput, are low maintenance, and have universal usage for goods weighing up to 3 kg. You can connect various secondary load carriers to this adapter manually or as a fully automated system.



## HAIPICK ROBOTS

HAIPICK robots offer intelligent picking and handling, autonomous navigation, active obstacle avoidance, and autonomous charging. Characterized by its high stability and high precision, the robot can significantly improve the warehouse's storage density and operational efficiency.