

# AMR Delivers Destination Sortation for Pharmaceutical Industry



## About Tompkins Robotics

Tompkins Robotics is a global leader focused on the robotic automation of distribution and fulfillment operations. Our primary system, tSort, consists of autonomous mobile robots that sort a wide range of items and parcels to consolidation points for order fulfillment, store replenishment, returns, parcel distribution – virtually any process in the supply chain. tSort is a truly modular, scalable, and portable robotic sortation system that helps build world-class supply chains while providing unmatched flexibility and throughput. With three models, tSort; tSort Plus; tSort Mini; and two sortation methods, tilt trays and cross belts, Tompkins Robotics systems handle the broadest range of product on the market – as small as a penny to up to 40 inches long by 30 inches wide and weighing up to 120 pounds. Our systems work in small operations in the backroom of a grocery, supercenter or mall anchor store to large fulfillment centers processing millions of units a day. Our systems maximize performance, making our clients more agile, adaptable, profitable, and successful in today's dynamic marketplace.

We also have other proprietary solutions such as the xChange and tSort3D. xChange is a robotic sortation order removal and replacement system for orders and shipping systems. tSort3D is a new, very dense sortation system ideal for ecommerce and provides as much as 10 times the sort destinations and volume compared to competing solutions. We continue to expand the core systems with complementary robotics and integrated material handling systems to automate fulfillment operations.

6435 Hazeltine National Drive, Suite 105  
(407) 362-0700

[mdorsett@tompkinsrobotics.com](mailto:mdorsett@tompkinsrobotics.com)

<https://tompkinsrobotics.com/>

<https://www.youtube.com/watch?v=CYPDD3JrnB4>

***Building a cost-effective solution that optimizes operations and reduces labor costs***

### System Components:

- 37 tSort<sup>mini</sup> autonomous mobile robots, baseline;  
55 with expansion
- 447 Store destinations
- 3 Induction Stations
- Expandable to several thousand sorts per hour

## Growth & Impact



**Consolidates Pharmacy orders for 447 regional stores**



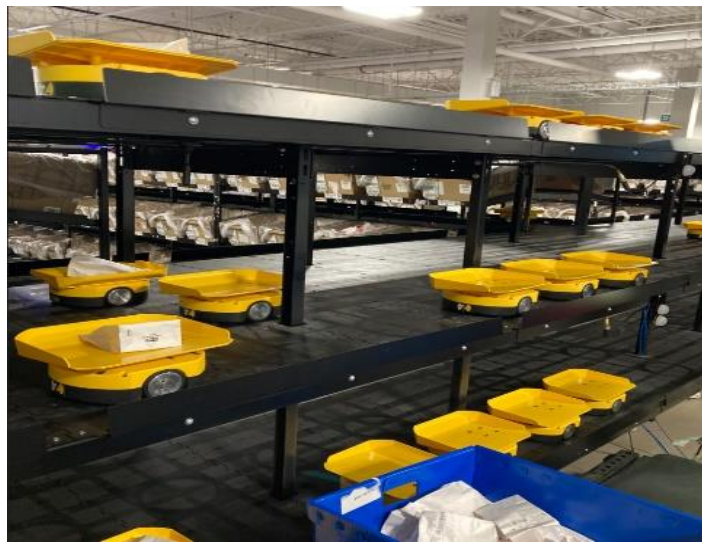
**Improved sortation accuracy allowing the company to meet their increased production requirements, while remaining within the existing footprint**



- **Optimized facility throughput**
- **Reduced labor costs**
- **Provides scalability to accommodate varying demand**
- **System installed around and during existing operations**

# Tompkins Robotics tSort<sup>mini</sup> Delivers Destination Sortation for Shoppers Drug Mart

**Building a cost-effective solution that optimizes operations and reduces labor costs**



## The Challenge:

Supply Chain leaders were looking for a cost-effective solution to build a system that sorts customer prescription orders to hundreds of stores while optimizing facility throughput, reducing labor costs, and providing scalability to accommodate varying demand. The system was to be installed around and during existing operations.

## The Result:

The client successfully implemented a dynamic sortation solution to service 447 stores while improving sortation accuracy for the 3-level system design allowed the company to meet their increased production requirements, while remaining within the existing footprint. During the final design, and preparation for installation, Shoppers Drug Mart elected to increase the throughput of the system, which was accomplished by simply adding more robots to the system.

## Central Fill Pharmacy Benefits

Canada's leading pharmacy retailer selected Tompkins Robotics to optimize fulfillment operations and provide a wealth of benefits for store order fulfillment, including:

- Rapid deployment: tSort ensures high throughput per square foot with low capital investment relative to traditional sortation systems.
- Scalable & Portable: The tSort solution is fully modular, configurable, and portable.
- Wide range of capabilities & applications: tSort can process a wide variety of products and packages in many different environments and applications, including polybags, cartons, loose items, and many more product configurations.
- Flexible and Robust Warehouse Execution System: tSort is powered by the cloud-based Tompkins Warehouse Execution System (tWES).



Design can easily be adopted to other operations and locations. Shoppers Drug Mart has contracted four additional systems for future sites.

