

## CASE STUDY

# KMART AUSTRALIA

tSort delivers big benefits for Kmart Australia, deploying mobile automation to support a distributed logistics network.

## 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.

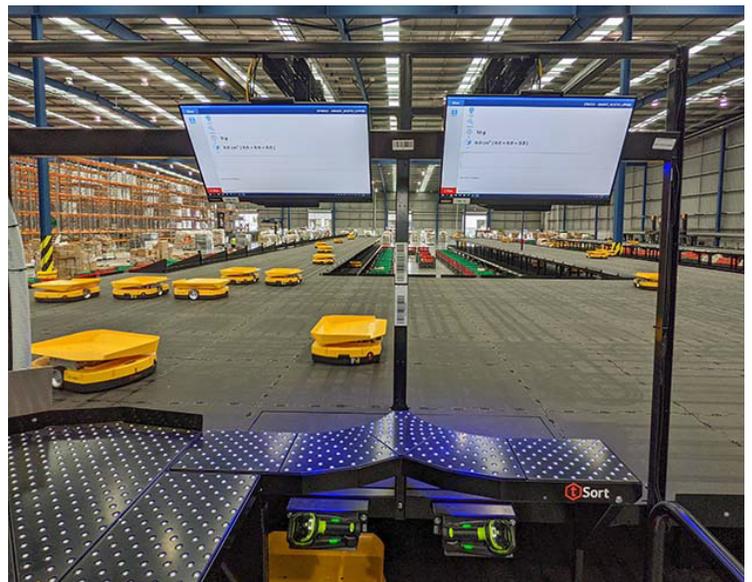


## The Company

Wesfarmers, a retail division of Kmart, is a discount department store retailer with more than 300 stores in Australia and New Zealand, and employs more than 31,000 staff. The network delivers to high volume stores with a broad product mix and unique product handling requirements for case, inner pack, and item sortation to meet the annual and seasonal demand of the Kmart store network.

## The Goal

With a network of Distribution & Fulfillment (D&F) operations across Australia and New Zealand, supply chain leaders were looking for a cost-effective solution that could increase their facility throughput, reduce the labor gap, and support the growing store network and volume.



## The Solution

Through a detailed RFP process, Kmart ultimately selected Tompkins Robotics' tSort system, seeking a best-in-class automation solution.

The award-winning AMR solution optimizes fulfillment operations and provides a wealth of benefits for retail replenishment, including:

1

### High throughput

tSort systems facilitate high volume rates in a modular fashion to allow Kmart to scale the solution to fit the operation.

2

### Rapid deployment

A typical tSort implementation takes less than half the time of traditional sortation systems. This allows for faster installation between peak seasons for minimal disruption to Kmart's operations.

3

### Low capital investment

tSort solutions cost approximately half of other large tilt trays or crossbelt sorters. Additional robots can be installed to grow a system, allow complete utilization of all assets, and postpone capital investment.

4

### Scalable & portable

The tSort solution is fully modular, configurable, and portable. All elements and robots can be easily added, removed, or relocated at any time to meet changing demand and business requirements.

5

### Wide range of capabilities & applications

tSort can process various products and packages in different environments and applications, including polybags, cartons, loose items, and many more product configurations.

6

### Higher capacity in a smaller footprint

tSort's multi-level design can process more than double the volume in less than 25% of the space of traditional sortation systems.

7

### Flexible and robust warehouse execution system

tSort is powered by the cloud-based Tompkins Warehouse Execution System (tWES) and has 20 years of experience integrating automated solutions to various WMSs.

## Results & Benefits

Tompkins Robotics' tSort solution was installed, tested, and commissioned and has successfully supported the operation since its go-live in May 2021.

Kmart Australia experienced increased throughput to meet store growth and volume and improved inventory accuracy.



More than **60%** reduction in space over traditional solutions



The start of installation to go live was less than **5 months**, with an operational ramp up to full production in just a few weeks



An improved financial outcome for the business



*Tompkins' customer first approach is refreshing and leads to the team constantly challenging the status quo. The team effort and great attitude has led to an extremely positive customer experience. The project team embedded themselves in the working operation which allowed for a seamless transition.*

*Justin Boyd – Kmart Head of Assets,  
DC Design and Automation*

