



HOW FLEXIBLE IS YOUR SUPPLY CHAIN? t-Sort—The Most Flexible Robotic Sortation System In The World.

t-Sort, t-Sort Plus and t-Sort Mini the warehouse sortation system unlike any other.

Our new, innovative technology is building world-class supply chains while providing unmatched flexibility, speed, and scalability. Modularity ensures the perfect fit for everything from large FCs and DCs, down to small backrooms. E-commerce, replenishment, returns, BOPIS and much more. Quickly deployed, configurable, portable. Flexible robotics innovation.

Features & Benefits

Efficiency

Robots move faster along the most direct path.

Space utilization

Typically < 25% of traditional sortation space.

Modular

Robots and all elements can be added at any time to meet peaks or increase throughput.

Ultimate flexibility

Unit and parcel sortation separately or combined. Capacity and functionality flex on demand. System is portable, configurable, scalable. All items on wheels, no fixed infrastructure or permitting.

Robots are less expensive

40% to 50% less than traditional tilt tray or crossbelt systems.

Invest as needed

System is purchased and installed as needed each year or growth milestone. Postpones capital investment and allows full utilization of asset.

Higher ROI

Lower investment, shorter lead times, faster implementation, reduced space, lower headcount and incremental expansion/capital expenditures - all drive significant ROI improvement over other systems.

Redundancy & Risk Mitigation

No single point of failure anywhere in the system. Mirrored servers and a UPS.

Range of Products

System can handle a wide variety of products including apparel, shoe boxes, general merchandise, shipping bags and small-to-medium boxes. T-Sort offers multiple tray and belt designs, optimized for different products, that can be easily changed. t-Sort can handle anything traditional unit sorters process, and more.

Extreme Portability

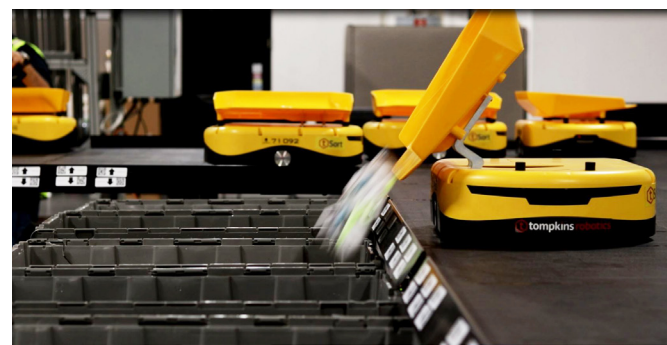
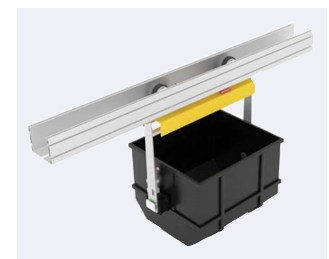
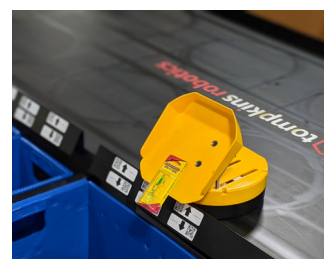
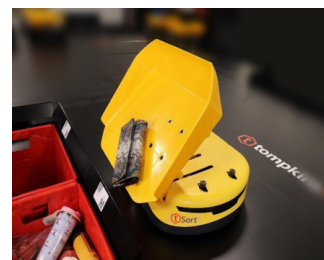
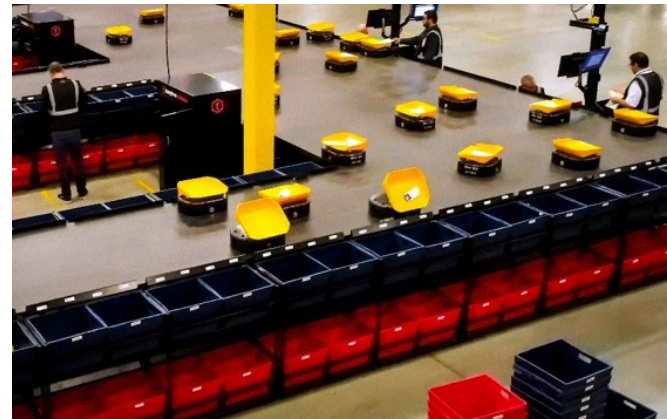
The system can be moved to another nearby facility over a weekend.

Ease of Maintenance

All elements are plug and play and can be taken out of service or temporarily replaced with a spare for all preventative maintenance or repair.

Fast, Simple Startups

Implementation, integration, and training on site is typically 4 - 8 weeks for a system provided the IT development and virtual testing is done during manufacture of the physical system components.



Specifications



tSort
t-Sort: Tray & Crossbelt

Specifications

Travel Speed	up to 2.5 m/s (8.2 ft/s)
Acceleration	1.5 m/s ² (5 ft/s ²)
Load capacity	Up to 11 lbs
Max Product Size: Standard Tray	13" x 15"
Max Product Size: Large Tray	26" x 18"
Max Product Size: Crossbelt	26" x 18"
Divert Angle & Speed	Variable



tSort+
t-Sort+: Tray & Crossbelt

Specifications

Travel Speed	up to 2.0 m/s (6.6 ft/s)
Acceleration	1.5 m/s ² (4.9 ft/s ²)
Load capacity	Up to 66 lbs
Standard Belt Size	2 parallel belts at 9" x 19"
Larger Belt Size	2 parallel belts at 19" x 19"
Sort Control	Independent Belts or Trays
Maximum Product Size - Crossbelt	19.5" x 39"
Maximum Product Size - Tray	20" X 26"
Divert Angle & Speed	Variable



tSort mini
t-Sort Mini: Tray

Specifications

Travel Speed	up to 3 m/s (9.8 ft/s)
Acceleration	1.5 m/s ² (5 ft/s ²)
Load capacity	Up to 5 lbs
Max Product Size	7" x 7"
Divert Angle & Speed	Variable



tRail
t-Rail: Tote & Hopper

New product for use in Distribution Centers – all channels. A unique application moving goods and material in retail and MFC. Major cost savings and space savings.

Specifications

Travel Speed	up to 1.5 m/s ² (5 ft/s ²)
Acceleration	1 m/s ² (3.3 ft/s ²)
Load capacity	Up to 120 lbs
Max Product Size	~ 30" x 25" x 20"
Tilt Angle (for dump deposit)	± 150°
Dropoff Method	Tote drop off or Tilting hopper

Get in touch!

tompkinsrobotics.com
info@tompkinsrobotics.com
+1 407 362 0700

