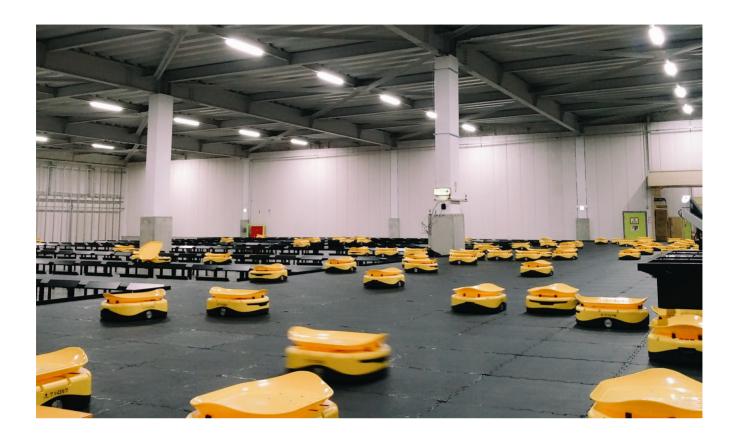## Product overview

The Dexion autonomous sortation robots provide a flexible, cost-effective and expandable parcel and postal sortation solution that improves operational efficiencies at distribution centres and only requires a small area to operate.

The design requires no fixed infrastructure, therefore the modular system is scalable and more robots can be added as desired and the technology is fully portable, meaning technology can be switched and allocated between sites if necessary.

Key features and benefits

- **Intelligent Divert to Unique Sortation Destinations**
  - On each sort, the tilt angle and speed can be configured to the individual product - the only system with this capability.
  - t-Sort also provides a positive and accurate sort as each robot makes a complete stop to divert.
  - It can handle a wide variety of receptacles including shipping cartons, totes, chutes, gravity conveyor lines and bags.

- **Wide Range of Unit Handling**
  - The type of unit loads t-Sort can process is much broader than traditional sortation systems. This includes apparel, shoes, fragile product, cylindrical, round, static prone, liquids, glass, and most consumer goods.
  - The tray, destination receptacle or accumulation device and system design can be customized to best fit the application and customer.

- **More Effective Investment**
  - Lower capital costs than traditional tilt tray or crossbelt sorters. Capability to invest for current needs and easily add components as needed for growth.

- **Faster Startups**
  - Implementation is 5 to 7 months, compared to a typical sorter lead time of 10 to 14 months.

- **Space Utilization**
  - Multi-level and direct divert to destination reduces space by up to 65% as compared to traditional conveyor sortation systems.

- **Redundancy & Risk Mitigation**
  - No single point of failure anywhere in the system.

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Technical specifications

t-Sort	
Robot Speed	Up to 2m/s
Payload	5kg
Standard Tray	406.4mm x 355.6mm
Large Tray	660.4mm x 457.2mm
Sort Control	Tilted angle and speed
Induction	Manual or Robotic
Robot Run Time	3 - 4 hours per charge
Charge Time	5 - 8 minutes

t-Sort Plus	
Robot Speed	Up to 1.5m/s
Payload	30kg and 55kg models
Belt Size	(2) 228.6mm x 482.6mm or (2) 482.6mm x 482.6mm
Max Load Size	482.6mm x 1016mm
Sort Control	Independent belts
Induction	Manual or Automated
Robot Run Time	3 - 4 hours per charge
Charge Time	5 - 8 minutes

Product Images

Dexion t-sort

Dexion t-sort Plus

Contact

For more information visit **www.dexion.com.au**

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