

***Kinematik***

**SORTING TECHNOLOGY**

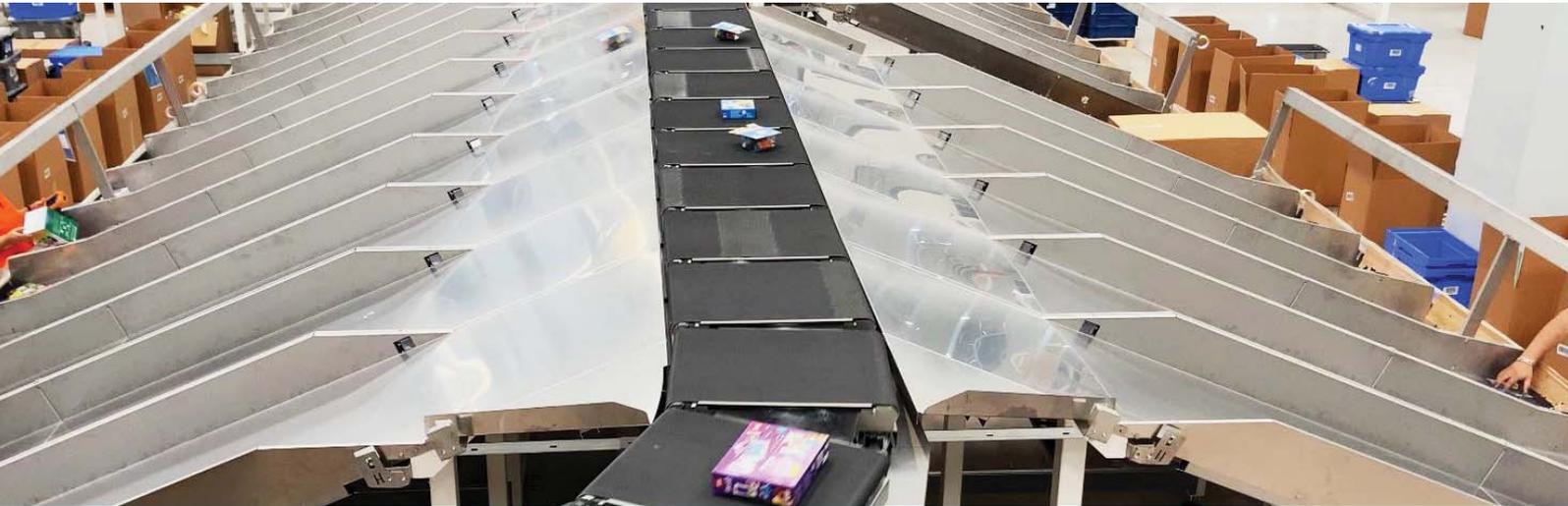


**Sortation  
Systems**

# Sortation Systems by Kinematik

Kinematik has developed sorting solutions to handle a wide range of items and capacities.

Our solutions include linear and loop sorting machines and are suitable for courier, postal, distribution, ecommerce and retail industries.



## Sortation Applications

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Sorters are high capable systems, that can be used in any application that requires high throughput sortation.

Most common applications are in the following sectors:

- CEP - Courier, Express and Parcel
- Retail for store replenishment, online orders and e-commerce
- 3PL, Logistics, Distribution



# Pop-Up Sorter

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Pop-Up Sorter is capable of sorting small to large items with flat bottom. A wide range of items is supported, such as totes, cartons, packages, boxes, flats, etc.

Although Pop-Up Sorter is a linear sorter, it can be upgraded with a loop under the sorter to increase efficiency.

**> 2 500 pph**

\* for 600mm average item length





## Wheel Sorter

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Wheel Sorter is capable of sorting small to large items with flat bottom. A wide range of items is supported, such as totes, cartons, packages, boxes, flats, etc.

Although Wheel Sorter is a linear sorter, it can be upgraded with a loop under the sorter to increase efficiency.

Due to the fully covered diverter deck the Wheel Sorter can handle a wider range of items compared with the Pop-Up Sorter, as item jams are minimized (items with flexible packagings, straps or other edges that are loose on items, etc).

**> 3 800 pph**

\* for 600mm average item length





## TraySorter

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The TraySorter is one of the most versatile and high capacity sorters. Being able to transfer even unconveyable items with the highest possible sorting speeds.

Apparel, flats, books, magazines, small packages and any other items, even unconveyable can be sorted with the TraySorter, from minimum size till medium sized items.

**> 4 000 pph**

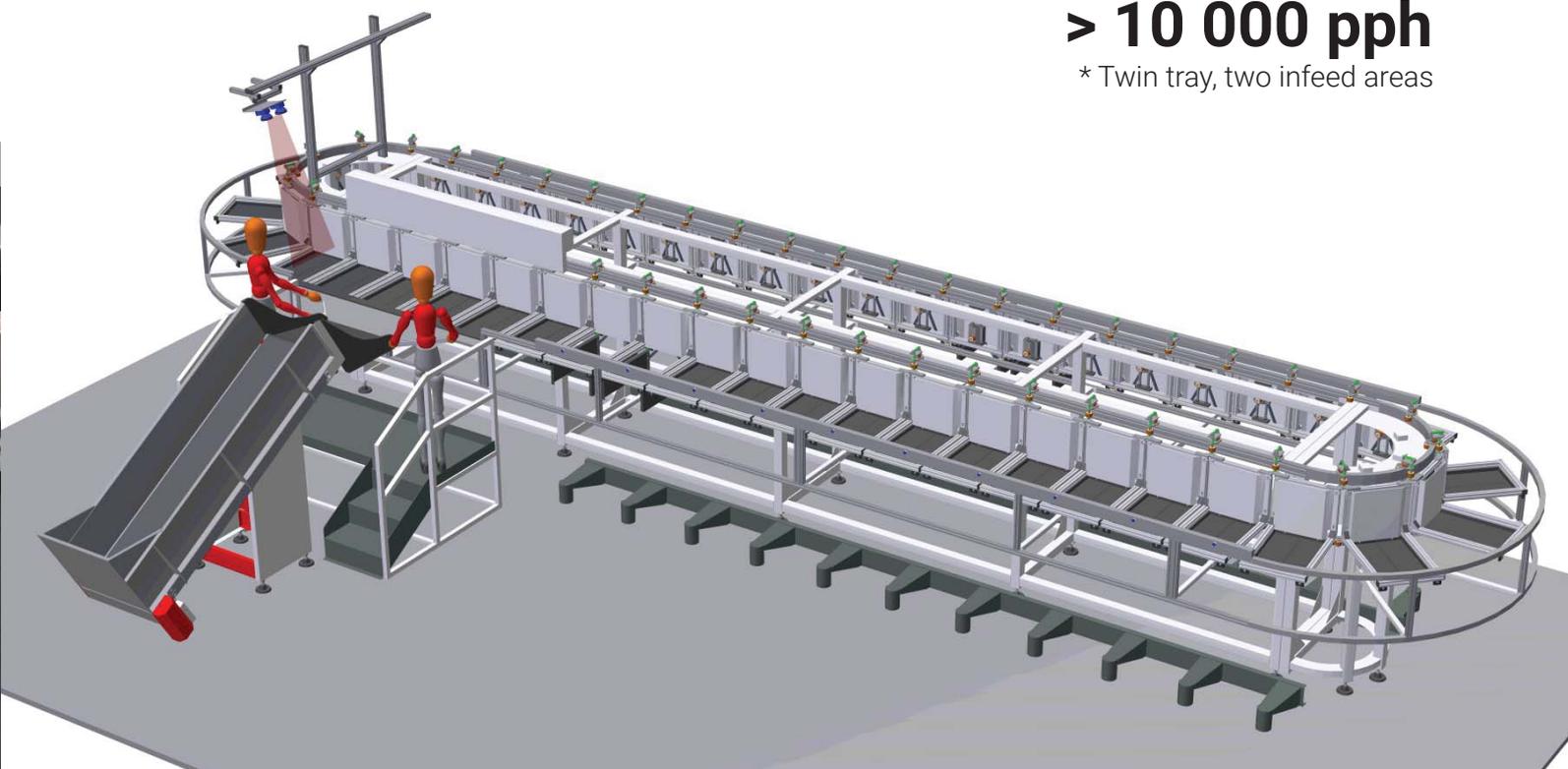
\* Single tray, one infeed area

**> 5 000 pph**

\* Single tray, two infeed areas

**> 10 000 pph**

\* Twin tray, two infeed areas





## Crossbelt Sorter

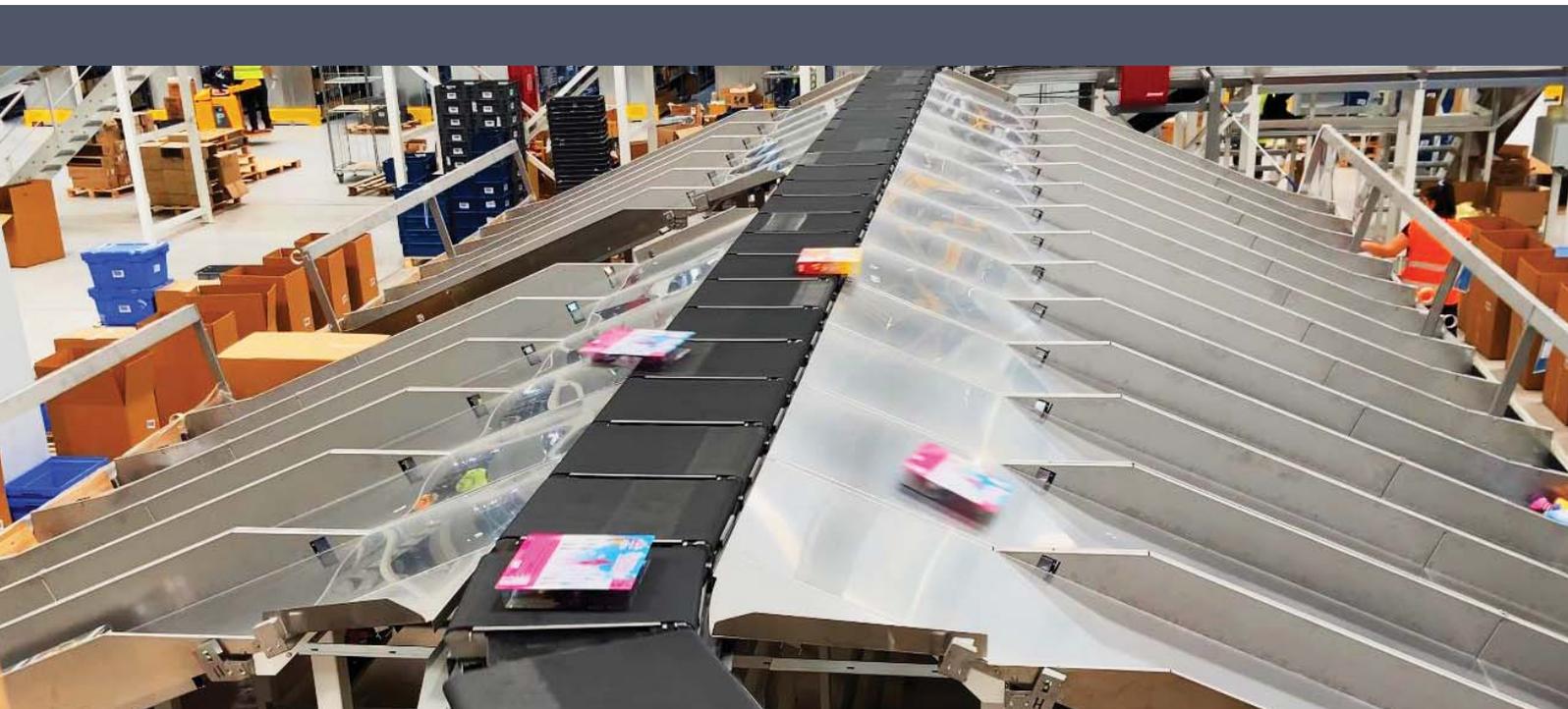
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The Crossbelt Sorter is capable of sorting small to medium items. A wide range of items is supported, such as totes, cartons, packages, boxes, flats, etc.

Being a loop sorter it offers increase efficiency.

Due to the fully covered diverter deck the Crossbelt Sorter can handle a wider range of items, minimizing item jams (items with flexible packagings, straps or other edges that are loose on items, etc).

**> 6 500 pph**



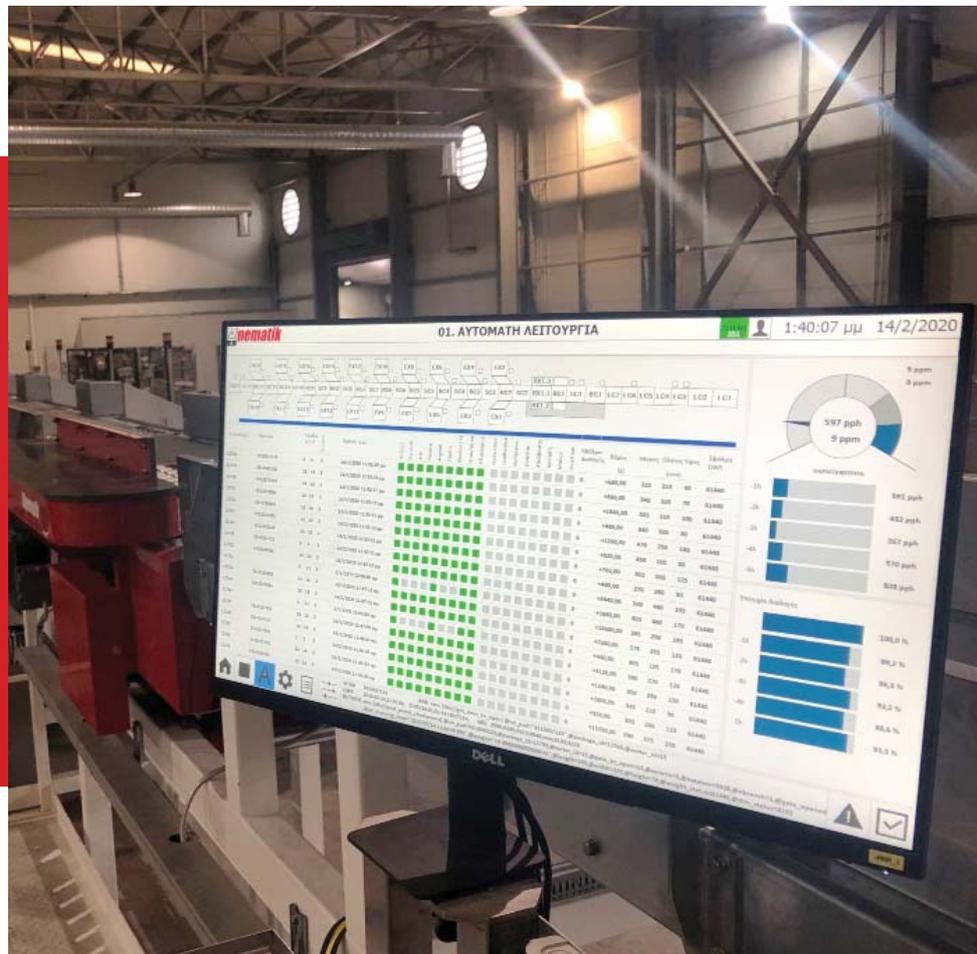
# Kinematik Sorters Comparison

	Pop-Up Sorter	Wheel Sorter	TraySorter	CrossBelt
Linear / Loop	Linear / Return Loop	Linear / Return Loop	Loop	Loop
Space Requirements	Medium	Medium	Low	Low
Handling Item Range	Conveyables	Conveyables	Any (even unconveyables)	Conveyables
Item Size Range	Small - Large	Small - Large	Extra Small - Medium	Extra Small - Medium
Capacity	Low	Medium	High	High
Weight and Volume Measurement	Yes	Yes	No	No
Sorter Infeed	Conveyor	Conveyor	Tray	Conveyor/Carrier

## Automation Technology

Our systems are based on high quality and trusted industrial components.

Kinematik Sorters can communicate with the client's host system with various protocols, such as REST API, SQL, FTP, text files, etc.





## Best-In-Class Quality

As all Kinematik products, the build quality is one of the best-in-class. All parts are of the best possible quality, allowing seamless operation and increase the lifespan of the system. All modules, such as conveyors, diverters, chutes are designed to allow fast access.

## 24/7 Support

Kinematik supports all machines and systems throughout their lifecycle. Teleservice is offered as a standard to allow instant troubleshoot and reduce possible downtimes. On-Site service team is available for maintenance and support.

## Automated Control

The complete process is fully automated. The process is monitored in real-time.

The complete operation as well as all motions and mechanisms are monitored and controlled by a touchscreen with a simple and easy to use operating system.

## Completed Projects

Kinematik has successfully completed various sorting solutions with applications in courier/postal and distribution industries.

## Infeed and Outfeed Solutions

Depending on the selected sortation system, Kinematik offers various solutions before and after sortation to fit every need. Kinematik has realized various solutions for feeding the sorters, with buffer conveyors for inbound and outbound totes, gappers and DWS systems.

Custom chutes are also in our scope of supply based on application requirements.



DWS system for measuring weight and dimensions, as well as save photos of items passing through.

Custom made chutes for gentle and controlled motion





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