

FORTNA

Brochure

Sortation Solutions



Proven expertise

Increasing order volumes, strict requirements for delivery speeds and constantly evolving packaging. Today's e-commerce-drive supply chains face these challenges and more, and they depend on sortation systems to keep finely tuned operations moving. FORTNA offers a deep sortation portfolio capable of handling less than 5,000 to over 50,000 items per hour and a comprehensive understanding of operational characteristics to provide best-fit solutions based on product mix, packaging type, throughput footprint and more.

FORTNA handles all aspects of sortation projects in-house, from design, engineering and installation to controls, manufacturing and ongoing service. This single-source, turnkey approach expedites project timelines and simplifies troubleshooting, ensuring high-quality systems that run at peak efficiency as part of advanced automated solutions.

Cross belt



The FORTNA HC Loop sorter is an ideal high-capacity solution for operations with massive order volumes and high package variety, handling everything from flats and bubble mailers to bagged items and corrugate cases. It uses an automatic centering feature to precisely locate items in the center of the flat conveying surface for consistent divert accuracy, enabling the use of narrower divert chutes to boost sortation capacity and maintain an efficient footprint.

- Modular design for layout flexibility and space savings
- Fewer components for improved reliability and simpler maintenance

The HC-Loop sorter won a 2019 Product of the Year award in the conveyor and sortation category, voted on by readers of Material Handling Product News.



Sliding shoe



The HC sorter is a high capacity solution well suited to handle everything from bubble mailers and polybags to large corrugate cases, thanks to narrow slats and a fully-closed sorter deck design. The HC sorter can be equipped with single- or double-sided shoes and uses a modular design, offering easy scalability and configuration to match each customer's unique requirements.

- Fastest speed of any closed-deck sliding shoe sorter, 9.8 feet per second
- Capable of handling products weighing 0.55 to over 110 pounds
- Simple status checks via 15-inch panel with touchscreen and wireless connectivity

Sliding shoe (Smalls)



The HC Smalls sorter from FORTNA is a versatile, high-capacity solution designed for the smallest, lightest parcels. The advanced sliding shoe design works in tandem with rounded slats to prevent thin products from becoming trapped underneath shoes and causing jams. The HC Smalls also offers a space-efficient design, with a high density of exits to maximize capacity in a minimum amount of floorspace.

- Capable of handling items as small as 4-by-2-by-0.02 inches and as light as 0.1 pounds
- Low noise levels and maintenance friendly design

Diverter



The FORTNA high-speed swing-arm diverter is an economical solution for high-capacity sortation, with gentle, low-impact handling to preserve package integrity. The solution works by justifying packages along the same side of the conveyor as the diverter arm sweeps across the belt to sort packages.

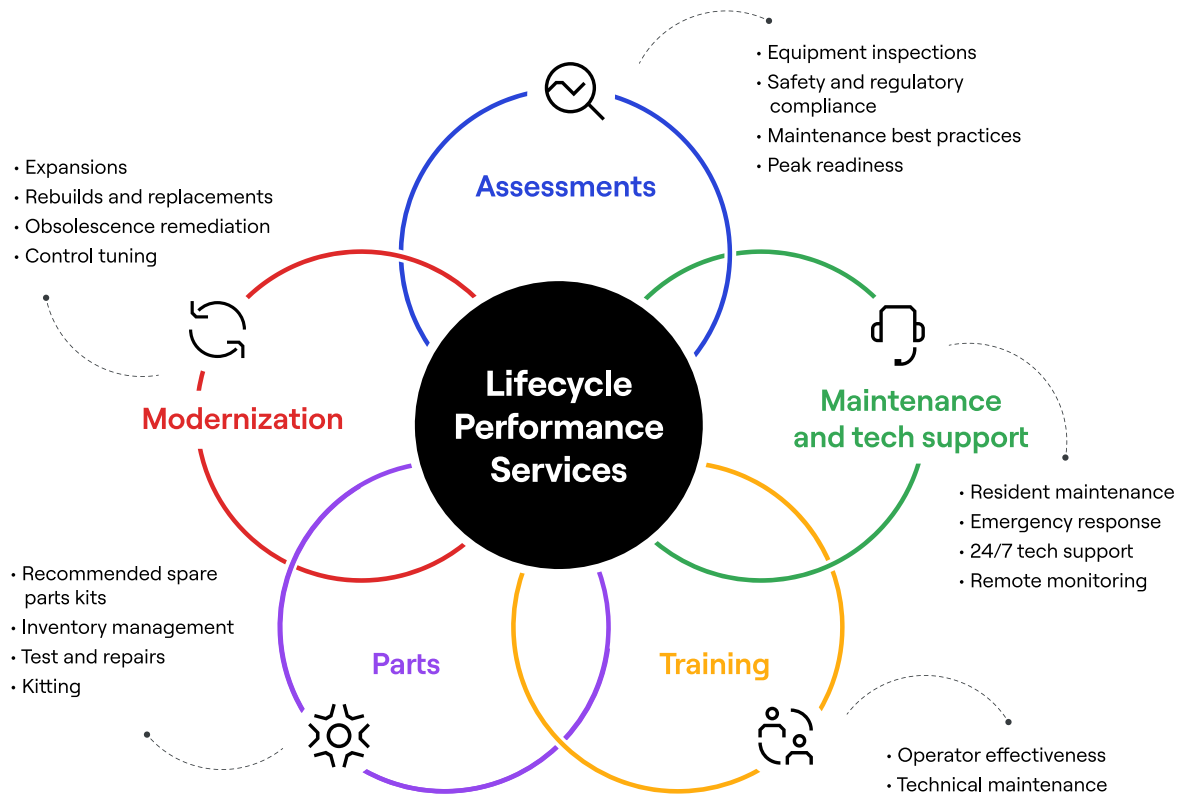
- Capable of sort rates up to 150 cartons per minute
- All-composite diverter arm offers longer service life than metal or metal-composite alternatives

Swivel wheel



FORTNA offers a variety of swivel wheel sortation solutions designed to precisely sort a wide range of items and packaging, from cartons and plastic totes to even items without packaging like tires. The solutions include fully closed sorter decks to avoid blockages and jams, low maintenance requirements to maximize uptime and modular designs to expand easily as business dictates.

- Capable of speeds greater than 2.5 meters per second
- Wheels swivel to enable variety of direction changes, up to 90 degrees



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About FORTNA

FORTNA partners with the world's leading brands to transform omnichannel and parcel distribution operations. Known world-wide for enabling companies to keep pace with digital disruption and growth objectives, we design and deliver solutions, powered by intelligent software, to optimize fast, accurate and cost-effective order fulfillment and last mile delivery. Our people, innovative approach and proprietary algorithms and tools ensure optimal operations design and material and information flow. We deliver exceptional value every day to our customers with comprehensive services and products including network strategy, distribution center operational design and implementation, material handling automated equipment, robotics and a comprehensive suite of lifecycle services.

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