



FLEXIBLE SORTING SOLUTIONS

Scale up your sorting performance with flexibility.

Flexible Sorting Solutions help logistics operators respond quickly to changing volumes, seasonal peaks, labor challenges, and space constraints without relying on large fixed sorting infrastructure.

By combining automation, robotics, and intelligent operator guidance, these solutions increase sorting capacity while maintaining operational agility. The modular architecture allows organizations to scale operations up or down as needed, improve productivity, and optimize both parcel and manual sorting processes.

Designed for fast deployment and cost-efficient growth, Flexible Sorting Solutions provide a practical way to increase throughput, enhance flexibility, and adapt to evolving operational demands.

FLEXIBLE SORTING SOLUTIONS INCLUDE:



Robotic
Sorting



Projection
Sorting



Hyperflex
Sorting



Manual
Work Station



Sort2Light



ROBOTIC SORTING

Prime Vision's Robotic Sorting solution uses mobile robots, called Robins, to create flexible sorting operations for 20 to 250+ destinations, handling up to 4,000 parcels per hour. The system can be deployed within days and layouts changed in under a minute.

Its lightweight infrastructure fits virtually any existing location and handles a wide range of items, including NMOs and tubes. Capacity and destinations can easily be scaled up or down as operational needs change.

WHAT IT DOES

Robin robots transport parcels to the correct destination, such as chutes, cages, conveyors, or loading areas.

Parcels are scanned and placed on a Robin manually or via an automated infeed. Using barcode data, each Robin receives its destination and calculates the optimal route.

KEY CAPABILITIES

- ✓ Flexible sorting infrastructure enabling sorting in virtually any existing location without fixed conveyor systems.
- ✓ Scalable sorting capacity increasing throughput by simply adding robots without redesigning the system.
- ✓ Versatile handling efficiently sorting parcels, NMOs, tubes, and other non-standard items.
- ✓ Rapid deployment enabling implementation without major infrastructure changes.
- ✓ Reduced labor dependency automating manual sorting tasks and reducing operational costs.
- ✓ Limited initial Capex reducing upfront investment through asset-light infrastructure.





PROJECTION SORTING

Projection Based Sorting, powered by the Flow Projector, guides workers during manual sorting by projecting visual instructions directly onto parcels or sorting locations.

In high-volume logistics environments, manual sorting processes can lead to errors, especially when workers must quickly interpret routing information. The Flow Projector improves accuracy and efficiency by visually guiding operators during the sorting process.

WHAT IT DOES

The Flow Projector uses projection technology to display sorting instructions directly onto parcels or their destination locations. When a parcel arrives in the sorting area, the system determines its correct destination and projects a visual indicator to guide the operator.

By providing clear visual cues, workers can quickly identify where a parcel should be placed without checking screens or handheld devices. This speeds up manual sorting processes and reduces the risk of routing errors.



KEY CAPABILITIES

- ✓ Visual sorting guidance to project clear sorting instructions directly onto parcels or sorting destinations.
- ✓ Reduced sorting errors to help operators place parcels in the correct location.
- ✓ Improved sorting speed to eliminate the need to check screens or handheld devices.
- ✓ Easy integration to connect with existing sorting systems and routing logic.
- ✓ Efficient manual operations to increase productivity in manual sorting environments.





HYPERFLEX SORTING

The Hyperflex Sorter is a compact and flexible sorting solution designed for small sorting hubs and last-mile logistics operations.

Traditional sorting systems are often built for large, static facilities and long-term infrastructure investments. However, many last-mile hubs require smaller, more adaptable solutions that can operate efficiently within limited space. Hyperflex Sorter addresses this challenge by combining proven conveyor technology with AI-driven computer vision to deliver cost-effective and scalable sorting performance.

WHAT IT DOES

Hyperflex Sorter uses overhead cameras and computer vision technology to continuously track parcels as they move across the sorter. Parcel identifiers are captured through barcode scanning, and the vision system dynamically controls the sorting process by directing parcels to the correct destination chutes.

The system is built on modular swivel-wheel conveyor tables that can divert parcels left, right, or forward depending on their destination. By combining standard conveyor components with intelligent vision-based control, the sorter provides dynamic routing capabilities while maintaining a compact and cost-efficient footprint.

KEY CAPABILITIES

- ✓ **AI-powered parcel tracking to continuously track parcels and enable dynamic sorting control.**
- ✓ **Vision-based sorter control to replace traditional point sensors with continuous computer vision-based monitoring.**
- ✓ **Modular sorting architecture to expand sorting capacity by adding swivel-wheel tables and additional chutes.**
- ✓ **Compact footprint to enable efficient sorting in space-constrained hubs and last-mile environments.**
- ✓ **Cost-efficient deployment to combine proven conveyor hardware with intelligent control and reduce sorter investment costs.**
- ✓ **Flexible operations to efficiently handle approximately 1,000 to 4,000 parcels per hour across 10–30 sorting destinations.**





MANUAL WORK STATION

Manual Work Station supports efficient manual parcel handling within automated sorting environments.

Even in highly automated logistics operations, certain parcels require manual processing due to missing data, unreadable labels, irregular shapes, or operational exceptions. Manual Work Station provides operators with the tools and system guidance needed to process these items quickly and accurately.

WHAT IT DOES

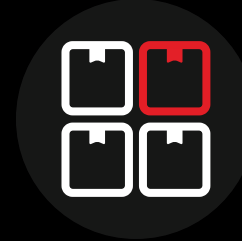
Manual Work Station provides operators with a dedicated interface and workstation environment to handle parcels that cannot be processed automatically. The system presents parcel images, identification data, and operational instructions so operators can review, correct, or complete missing information.

The workstation integrates directly with sorting and identification systems, allowing operators to perform tasks such as manual coding, parcel verification, exception handling, and routing corrections. By supporting these manual processes with structured system guidance, the solution ensures that exceptions are resolved efficiently without disrupting the overall sorting flow.

KEY CAPABILITIES

- ✓ Efficient exception handling to process parcels that cannot be automatically identified or sorted.
- ✓ Operator-guided workflows to provide clear instructions and system support for manual processing tasks.
- ✓ Integrated parcel data access to display parcel images, identifiers, and operational information in one interface.
- ✓ Improved operational accuracy to reduce errors during manual handling and coding.
- ✓ Seamless sorting integration to connect directly with sorting, coding, and identification systems.
- ✓ Flexible workstation deployment to support manual handling tasks across different operational areas.





SORT2LIGHT

Sort2Light simplifies manual letter sorting by guiding operators with visual sorting instructions.

Designed for environments where letters must be sorted manually, the system helps operators place items in the correct destination without requiring local knowledge of routes or sorting schemes. Sort2Light improves sorting accuracy and speeds up manual processes in postal operations.

Sort2Light is a legacy solution. While it is no longer actively offered to new customers, the system remains fully supported and maintained for existing installations.

WHAT IT DOES

Sort2Light uses visual indicators to guide operators during manual letter sorting. When an item arrives at the sorting workstation, the system determines its correct destination and activates a light indicator at the corresponding sorting location.

Operators simply follow the illuminated indicator to place the item in the correct slot, eliminating the need to memorize sorting routes or destinations. This allows staff to work faster while reducing sorting errors.

The solution integrates with existing sorting systems to receive routing information and provide clear visual guidance throughout the manual sorting process..

KEY CAPABILITIES

- ✓ **Light-guided sorting to show operators the correct sorting destination using clear visual indicators.**
- ✓ **Reduced training requirements to enable operators to sort letters without local routing knowledge.**
- ✓ **Improved sorting accuracy to reduce manual sorting errors through clear visual instructions.**
- ✓ **Faster manual operations to accelerate sorting without the need to interpret routing data manually.**
- ✓ **Sorting system integration to receive routing information directly from operational systems.**
- ✓ **Legacy product support to maintain and support existing installations.**



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smart vision, smart flow

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