

SORTING ORCHESTRATION

Take full control of your sorting operations in an agnostic and adaptable way.

Modern sorting operations depend on a growing number of machines, systems, and data sources. Managing these environments efficiently while remaining flexible and independent from equipment suppliers can be a challenge.

Prime Vision's Sorting Orchestration Solutions provide a centralized orchestration layer that connects systems, coordinates sorting processes, and ensures consistent data across the entire network. The result is greater operational control, increased flexibility, and a future-proof sorting environment.

OUR PORTFOLIO CONSISTS OF THREE CORE SOLUTIONS:

**Workflow
Manager**

**Dynamic
Sorting
Decision
System**

**Sorting
Data
Manager**

**Together, they create a smart and vendor-independent
foundation for efficient sorting operations.**



WORKFLOW MANAGER

Workflow Manager is an event-driven orchestration layer that connects sorting devices, cameras, barcode scanners, VMS, and enrichment devices.

WHAT IT DOES

The Workflow Manager manages communication and coordination between different systems and devices in real time. It ensures reliable information exchange and enables all connected components to operate as one integrated system.

For smaller or less complex installations, Workflow Manager is also available in a Lite version, offering streamlined integration for robotic systems, vision systems, and compact sorting environments.

KEY CAPABILITIES

- ✓ **Reliable operations ensuring stable and continuous coding and sorting workflows.**
- ✓ **Real-time system connecting and coordinating machines, peripherals, software, and enrichment systems.**
- ✓ **Flexible deployment supporting both large sorting environments and compact automation setups.**
- ✓ **Real-time identification of pieces based on configurable barcode definitions**
- ✓ **Fit-for-purpose integration with the functionality you need, without unnecessary complexity, through the Lite version of Workflow Manager.**



DYNAMIC SORTING DECISION SYSTEM

Dynamic Sorting Decision System is a central decision engine for managing shipment flows and determining how parcels, luggage, and other items move through the sorting network.

WHAT IT DOES

Instead of each sorting machine making its own routing decisions, the system centrally determines the appropriate sorting outcome for every item. This ensures consistent decision logic across machines, suppliers, sites, and the entire sorting network.

The platform centrally manages sorting rules and enables routing logic to be adapted quickly without modifying individual machines. It integrates sorting machines and devices from different suppliers and supports the onboarding of new devices and future sorting technologies through one standardized Sorting API.

KEY CAPABILITIES

- ✓ **Centralized sorting management managing shipment flows and sorting rules from one central system.**
- ✓ **Consistent sorting decision logic throughout the sorting network, with flexible multi-site sort plan handling.**
- ✓ **OEM-agnostic integration connecting and controlling sorting machines and devices from different suppliers.**
- ✓ **Operational flexibility enabling routing logic to be adapted within minutes with zero downtime for the sorting operation.**
- ✓ **Real-time decision-making determining the appropriate sorting outcome for every item.**
- ✓ **Standardized integration supporting easy onboarding of new devices and future sorting technologies through one Sorting API.**
- ✓ **Seamless preannouncement integration and enrichment.**
- ✓ **Notification of sorting decisions back to the business application landscape.**



SORTING DATA MANAGER

The Sorting Data Manager is the central master data hub for coding and sorting systems across the logistics network.

WHAT IT DOES

The system provides a shared data foundation for consistent information across the logistics network. It automatically imports, compiles, and distributes reference data required by coding, sorting, and enrichment systems.

Sort plans can be created, edited, and distributed to connected sorting systems. This ensures that all systems across the network operate with consistent and up-to-date master data.

KEY CAPABILITIES

- ✓ **Single source of truth providing consistent master data across the entire network.**
- ✓ **Improved data quality ensuring consistent information across connected systems.**
- ✓ **Automatic synchronization by distributing data across business systems.**
- ✓ **Up-to-date master data ensuring all connected systems use the latest available information.**
- ✓ **Sort plan management supporting the creation, editing, and export of sort plans.**
- ✓ **Optional extensions providing advanced capabilities, including automatic chute mapping, sorting simulation, and sort plan optimization.**



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smart vision, smart flow

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