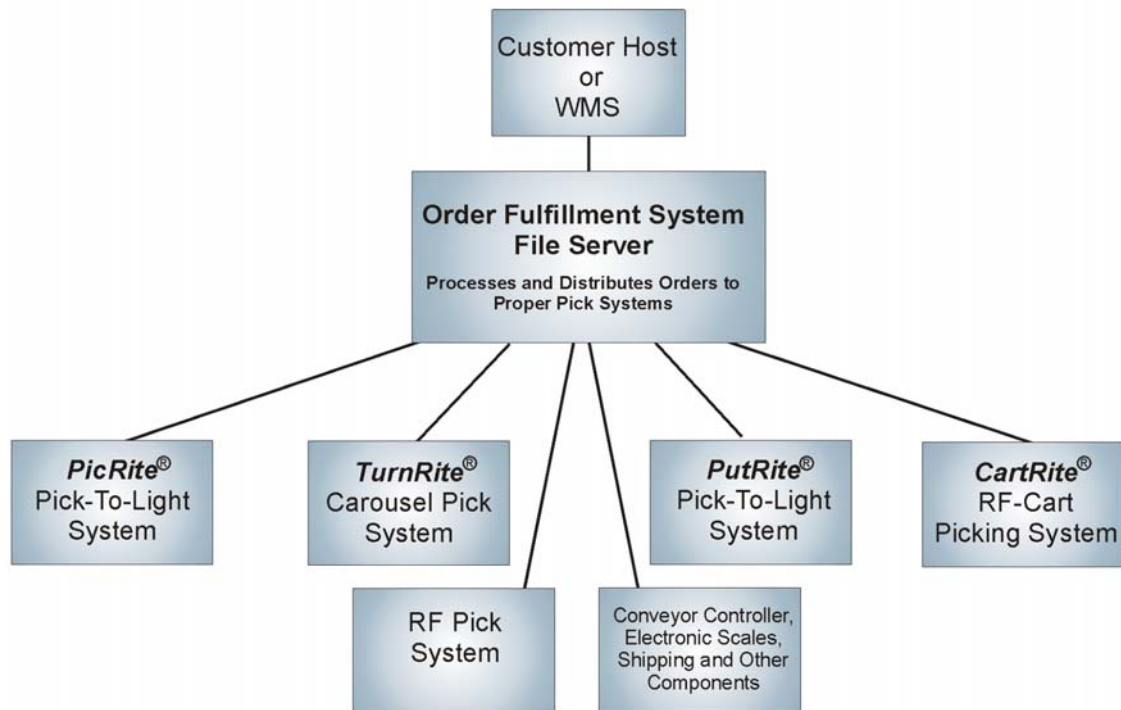


Order Fulfillment System – OFS



The Order Fulfillment System (OFS) provides a comprehensive automated solution to all of your order fulfillment and warehouse automation needs.

All order processing requirements within the four walls of your distribution center are managed by the CAPE OFS. First, the system provides a single point of contact to your Host or Enterprise Solution. Second, it controls all aspects of order fulfillment through RF, Pick-To-Light, Carousel, Cart and other *paperless picking* solutions. Third, the system controls other mission critical processes such as electronic scales, conveyors, diverters, and sorters as well as other similar real-time automation components.

The OFS can control your entire distribution processes. Or, it can enhance your overall Enterprise Solution. **The CAPE OFS ensures that your orders are picked and shipped on-time and at reduced cost.** It also provides reliable order processing data back to your Enterprise Solution so that the information everyone else depends on is accurate. OFS is the perfect complement to any Warehouse Management (WM), Supply Chain Management (SCM), or Customer Relationship Management (CRM) System. It operates on popular platforms such as Linux or Unix utilizing industry standard Relational Database Management Systems (RDBMS).

Some of the functions OFS provides are: state-of-the-art paperless picking, order process management, carton contents cubing, UCC-128 labeling, intelligent conveying and diverting, integrated scanning, electronic weighing, order packing and verification, outbound sortation, palletizing, manifesting, and system directed truck loading. If desired, inventory control functions such as receiving, system-directed putaway, automatic replenishment, consolidation and cycle counting can be included.

The CAPE OFS acts as a central server for all your automation and picking subsystems. The Host or Enterprise Solution simply downloads the orders to the CAPE OFS; it controls order distribution to the proper subsystem. Pick-to-light (*PicRite®*), wireless cart (*CartRite®*), carousel (*TurnRite®*), pick/put-to-store (*PutRite®*), RF-picking, and third party solutions such as A-Frames can be seamlessly interfaced to the OFS and thereby to your Host or Enterprise Solution.

All of these paperless picking solutions increase picking productivity – **orders are picked faster and more accurately.** Wireless cart and RF-picking solutions utilize the existing warehouse location database. Pick-to-light systems only require a simple light module-to-location cross-reference database on the OFS.

Order Fulfillment System Highlights

- **Order/Wave Process Management** – Optimized Order Flow Through Advanced Process Controls:
 - Paperless Solution
 - Wave Management Tools
 - Rules-Based Order Release and Distribution
 - Order Routing
 - Manpower and Productivity Tracking
 - Lot Control
- **Order Fulfillment** – Single Point Interface for All Picking Technologies:
 - *PicRite*® Pick-To-Light
 - *CartRite*® Wireless Cart
 - *TurnRite*® Carousel
 - *PutRite*® Put-To-Light
 - RF/Wireless Picking
 - Third Party Picking
- **Cubing** – Carton Contents Control Through Advanced Optimization Algorithms:
 - Unit Carton Control
 - Best Fit Carton Cubing
 - Special Handling Logic – By Orientation or Product Grouping
- **Labeling** – Automatic Bar Code Label Generation:
 - UCC-128 Compliance Labeling
 - Shipping Container Manifest (SCM) Labeling
 - Integrated Parcel Carrier Bar Codes Including UPS, USPS, FedEx, Etc.
 - LTL Bar Code Labeling
 - Shipping Carton/Tote/Contents Labels
 - Automatic In-Motion Label Application
- **Integrated Scanning** – Scanners Simplify All Operations:
 - Pick Line Scanners - Log On and Carton Induction
 - Workstation Scanners - Induct Carton/Tote
 - Overhead/Side Scanners - In-Motion Scales, Conveyor and Divert Control
 - Wireless Scanners - Picking, Palletizing, Inventory Control, and Truck Loading
- **Inventory & Location Management** – Controls Inventory Movement and Storage
 - Receiving, Putaway, Replenishment, Consolidation, and Cycle Counting
 - Quality Assurance & Temperature Hold/Release Control
 - FIFO, LIFO, FEFO Algorithms
 - Location/Slot Management Control
- **Intelligent Conveying** – Real Time Conveyor Controls:
 - Programmable Logic Controller (PLC) Interface
 - Immediate Decision Response
 - Sortation Control - Lane Assignment
 - Carton Divert Control
- **Weighing** – Real Time Weight Checking:
 - In-Motion Scale Integration
 - Manual Scale Integration
 - Weight Check with QA Divert
 - Weight Recording for Manifesting and Rating
- **Packing Verification** – Ensure Order Integrity, Accuracy and Quality:
 - Pick Shortage Processing
 - 100% or Random Carton QA Verification
 - Blind Order Checking
 - Document Printing - Packing Slips and Invoices
- **Manifesting** – Integrated Shipping Solution:
 - Carrier Specific Electronic Interfacing - FedEx, UPS, and Others.
 - Transportation Management System (TMS) Interface
 - Document Generation - LTL Bill of Lading and Parcel or Freight Manifests
 - Upload As-Shipped Data Required for Advanced Shipment Notification (ASN)
- **Outbound Palletization** – Cartons Palletized For Shipment:
 - Outbound Pallet Building & Cubing
 - Trailer Cubing
- **Truck Loading** – Seamless Transfer to Trucks:
 - System Directed Shipping Lane/Truck Assignment
 - Delivery Date Staging
 - Wireless Truck Loading
 - Order Shipment Tracking
- **Standard Hardware/Software** – Support for Various Platforms/Databases:
 - Variety of File Servers Supported
 - Client/Server Architecture
 - Standard Operating Systems Supported
 - Standard Relational Database Management Systems (RDBMS) Supported

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