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TECHNOLOGY GROUP

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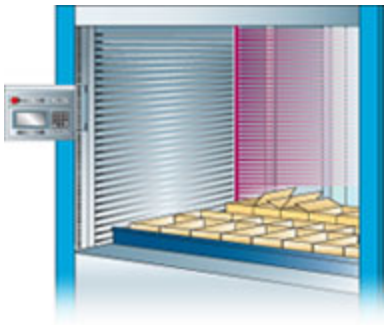
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Find the *Kardex Remstar International VLM 250* at our website: ***Click HERE***

The Remstar Shuttle® Vertical Lift Module (VLM) is designed for a wide range of manufacturing, distribution, retail and warehouse applications. Trays can be equipped with partitions and dividers, totes and containers, cases and cartons, pallets and specialty holders to meet virtually any requirement.



The Shuttle XP VLM uses CubeStar® technology to scan every tray's height and automatically store it in the least amount of space in the unit down to 1" increments. A built in weigh scale automatically checks a tray's weight to protect against overloading. Available pick-to-light technology and multiple levels of software help increase operators productivity and accuracy

## Shuttle VLM Controls and Software

Remstar emphasizes its ability to provide organizations with multiple levels of controls and FastPic® software designed specifically to drive the Shuttle® XP VLM and other automated equipment. The controls and software will improve an organizations inventory management and operational efficiencies.

### Shuttle VLM Controls 2000:



See Shuttle VLM Controls 2000 Video

**Standard Controls 2000 includes:**

- Large LC display with graphic design feature, background illumination, high contrast, low glare, easy reading.
- Easy tray storage and retrieval functions using numeric keypad and control keys.
- All information is in plain text, not coded information.
- Connection of peripheral equipment such as printers, bar code readers, scales, additional displays, alpha-numeric keyboards, and monitors.
- Open system with RS232, RS422, RS485, and Ethernet with CAN-BUS options.

**Special functionality includes:**

- Discrete tray speed settings allow one unit to store both sensitive and non-sensitive items.
- Each tray is automatically weighed when stored to protect users and equipment.
- Multiple capacity trays can be stored in one unit for maximum flexibility.

### The FastPic Inventory Management Suite of Software:

**FastPic Middleware - Host Interface Software**




Allows organizations to improve parts departments and warehouse efficiencies by integrating advanced inventory management software controlled Shuttle VLMs into their existing ERP, WMS, DMS software structure. Standard interfaces include: Text, CSV, SAP IDOC, Profit 21, ADP, Reynolds & Reynolds, UCS, Auto/Mate, ArKona, ADAM Systems and Karmak. The following systems have also been interfaced to FastPic: Alliance, Fourth Shift, Great Plains, JD Edwards, ManMan, Mapics, Oracle, PeopleSoft, Made2-Manage, Manhattan Associates PkMS and Radio Beacon.

### Features Include:

- Data can be passed from the host to FastPic for efficient order handling, stocking and cycle counting.
- All inventory transactions are journaled by FastPic and made available to the host system for batch or real-time host updates.
- An inventory list can be passed from the host to FastPic making reconciling inventory discrepancies easy and efficient.
- Part changes on the host computer system can be synchronized with the FastPic database.

**Click Here to see Full Product**

## FastPic WMI - Windows Machine Interface




A cost effective approach to easily integrate Shuttle VLMs into your current IT architecture by providing a high-level programming interface. Programmers will save weeks of development time using this plug and play component for device communications and control. This translates to reduced investment and more rapid implementation of advanced inventory management and handling techniques.

### Features Include:

- Request delivery of trays to the operator for picking, storing or counting
- Reduces facilities programmer time and investment
- Plug and play simplicity and ease of use
- Can eliminate coding errors which creates equipment inefficiencies
- Available in Windows COM and .Net
- Includes sample applications in VB6, VC++ and C# .Net

**Click Here to see Full Product**

## FastPic L - Locator Software



Provides simple and efficient parts storage and retrieval operations using Remstar Shuttle VLMs. Operators simply enter or scan a part number, aka or description and the tray is delivered to the operator for picking or stocking.

### Features Include:

- Simple part storage and retrieval from Remstar Shuttle VLMs
- Efficiently manages space on your trays
- Random or fixed locations, by part number
- Basic bar code abilities
- Installation wizards
- Easy intuitive design

**Click Here to see Full Product**

## FastPic IC - Inventory Control



Provides inventory control for automated workstations using any combination of shelving, rack, pick-to-light, carousels and Shuttle VLMs. Multiple inventory management techniques including: FIFO, lot tracking, random and fixed locations, and many more are incorporated.

### Features Include:

- Track parts, locations and stock levels throughout your warehouse
- including in Remstar Shuttle VLMs
- Advanced space management
- Part and location verification
- Cycle counting
- Transaction history journals
- User management
- Controlled access to trays by user id
- Standard & custom reports
- Lot number control
- Single or multi-user implementations
- Pick list processing
- Host interface and reconciliation reports
- Hot transactions
- Easy configuration wizard

**Click Here to see Full Product**

## FastPic TXP - Transaction Processor Software



Works with your existing ERP and WMS software's inventory locations and provides efficient picking, stocking and counting of inventory from carousels, Shuttle VLMs, shelving, rack and pick-to-light. Multiple inventory management techniques can be deployed including: parallel picking, pick and pass, hot transactions, pick to cart and many more.

### Features Include:

- Host managed inventory and locations
- Eliminates duplicate inventories
- Host interface including orders, receipts and cycle counts
- Order management and batch order processing
- Replenishment
- Cycle counting
- Bar code labeling
- Inventory reports
- Pick consolidation
- Part and location verification

**Click Here to see Full Product**

## FastPic 4 - Inventory Management




Advanced inventory management system controlling one or more workzones in a warehouse combining carousel, Shuttle VLMs, shelving, rack and pick-to-light locations. Multiple inventory management techniques can be deployed including: continuous batch picking, parallel picking, pick and pass, hot transactions, pick to cart and many more.

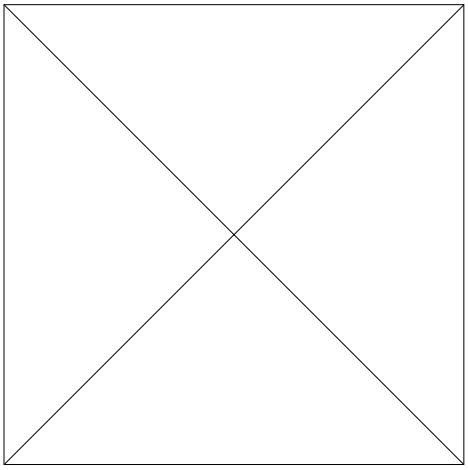
- Advanced inventory control
- Host interface including orders, receipts and cycle counts
- Order management and batch order processing
- Replenishment
- Cycle counting
- Kitting
- Standard & custom reports
- Parts photo database
- Bar code label printing
- Counting scale integration

**Features Include:**

- Advanced space management – maximizes product density on your Shuttle trays

# Shuttle VLM Options

The Shuttle® XP VLM comes equipped (standard) with Light Curtain protection, bi-parting safety doors, weigh scale tray protection, CubeStar® technology, 100% one inch shelf rails built in, multiple capacity trays in the same unit, discrete and variable tray speeds… and many other features.



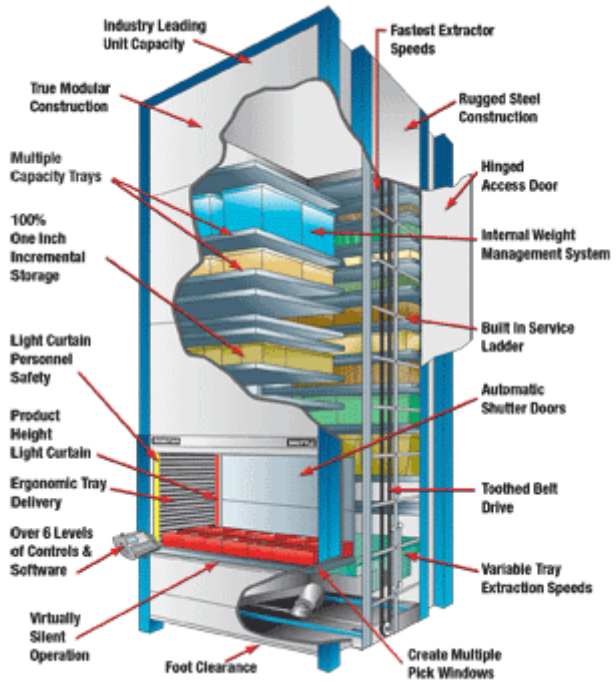
**TiC Pick-to-Light Standard Options:**

- Multiple access windows (pre and post installation)
- TiC pick-to-light technology
- Locate access windows at various heights (pre and post installation)
- Automatic tray extraction
- ESD protection
- Flexible unit widths and depths
- Change units heights (pre and post installation)
- Ergonomic hoist and gripper interface
- Durable work cart
- Painted any RAL color
- Suite of inventory management software and interfaces
- Interface with bar code scanners, printers and monitors
- OHSA Friendly

**Special Options:**

Cooler/Freezer to -20º C
To class 10,000 clean room
Heated units
Electronic test burn-in
Heights over 75 feet
Robotic interfaces
Custom tray inserts

# Standard Shuttle XP VLM Specifications




| Standard Shuttle VLM Specifications | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Unit Size | | | | Tray Size | | | | Tray Load |
| Width | | Depth | | Width | | Depth | | |
| Min | Max. | Min | Max. | Min | Max. | Min | Max. | Max. |
| 250 MODEL | | | | | | | | |
| 62.2 in. | 133.07 in. | 90.98 in. | 168.98 in. | 49.21 in. | 120.08 in. | 24.00 in. | 50.00 in. | 726 lbs. |
| 1580 mm | 3380 mm | 2311 mm | 4292 mm | 1250 mm | 3050 mm | 609.6 mm | 1270 mm | 330 kgs. |
| 500 MODEL | | | | | | | | |
| 62.2 in. | 133.07 in. | 90.98 in. | 168.98 in. | 49.21 in. | 120.08 in. | 24.00 in. | 50.00 in. | 726 lbs. |
| 1580 mm | 3380 mm | 2311 mm | 4292 mm | 1250 mm | 3050 mm | 609.6 mm | 1270 mm | 330 kgs. |
| 750 MODEL | | | | | | | | |
| 62.2 in. | 131.1 in. | 105.28 in. | 165.28 in. | 49.21 in. | 118.11 in. | 30.00 in. | 50.00 in. | 1660 lbs. |
| 1580 mm | 3330 mm | 2674 mm | 4198 mm | 1250 mm | 3000 mm | 762 mm | 1270 mm | 753 kgs. |
| 1000 MODEL | | | | | | | | |
| 62.2 in. | 131.1 in. | 105.28 in. | 165.28 in. | 49.21 in. | 118.11 in. | 30.00 in. | 50.00 in. | 2222 lbs. |
| 1580 mm | 3330 mm | 2674 mm | 4198 mm | 1250 mm | 3000 mm | 762 mm | 1270 mm | 1008 kgs. |

| Standard Shuttle VLM Specifications | | | |
|---|---|---|---|
| **Units Height:** | **8' 4" to 98' 7"<br>2.5 m to 30.05 m** | **Units Wt. Capacity** | **150,900 lbs.<br>75 tons** |
| **Tray Spacing** | **2.95 in. minumum<br>75 mm minimum** | **Tray Adjustability** | **1 in.<br>25 mm** |

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