Introduction of our usage in Warehouse Management System (WMS)

9th September 2011
Features Highlight

- Full functional WMS that deploy through web-based platform
- Designed for companies that need to cater both internal and external needs
- Web interface for easy access and real time inventory visibility
- Integrated with our Logistics Management System and Purchase Order Management System to enable a seamless flow of information and total control of your supply chain activities
Features Highlight

• Support multi-locations, multi-warehouses and multi-level packages
• Major functions include: Booking, Stock in, Put-away, Stock out, Re-location, Cycle count, Inspection, Break & Pack, Production log, Serial number & invoicing, and reporting, etc.
• With Hand held / PDA version for operation convenience and real time visibility
Benefits

• Collaborated with business partners:
  – Since all data are visible for related parties, any problems can alert the related business partners in earlier stages for getting resolutions in more timely basic.

• 7 x 24 Visibility:
  – Customers or Forwarders can track and trace the incoming and outgoing shipments accurately and effectively. It can help them to avoid missing any sales opportunities.
Benefits

• Lowered the inventory:
  – With the JIT feature and scanned images of shipping documents, it can help the consignees to process the shipments easier for having faster time to market. Moreover, the consignees can lower down the stock out level for fulfilling the orders.

• Increased productivity:
  – WMS can provide more convenient and faster way for the warehouseman to work. It can eliminate a lot of high-cost and labor-intensive manual processes to increase the order fulfillment rates, distribution throughput and productivity. According to study, a good supply chain system can help a warehouse to lower down the labor cost from 20% to 30%.
Benefits

• **Increased the return of investment ROI:**
  – WMS not only help to increase the productivity of the labor but also increase the utilization of the warehouse space, equipment and loading bays. With help from WMS, the warehouse operators can postpone the expansion, purchase, construction or rental of additional facilities for increased businesses.

• **Increased Profit:**
  – With the help of WMS, logistics provider or warehouse can process the orders or loading plan more accuracy and on time. It can maximize the profit by reducing the occurrence of high-cost rework.
WMS

- Web Version working flow

**Login**

- **Inbound Booking**
  - Stock In → Put away
  - Integrated with Back-end Booking

- **Outbound Booking**
  - Un-Pick Up → Pick up
  - Invoice & Cost Management
  - Serial Management
  - Pack
  - Break

- **Un-Stock In**
- **Relocation**
- **Un-Stock Out**
WMS (Cont.)

• PDA Version working flow

- W/H Login
- Stock In
- Put away
- Break
- Stock out
- Pick up
- Pack

Based on the information in inbound booking
Based on the information in outbound booking
System Login

- Multi-company
- Multi-user for single company
- Ready to embed in existing webpage
Inbound Booking

- PO, SKU & Package Information
- Import SKU information by EDI
- Inner level management
- Serial Number management

• Booking Main information
Inbound Booking (Cont.)

- Charge & Cost management
- Auto calculate storage charge
Inbound Booking (Cont.)

- Package Auto-generation
  - Package/Carton Number
  - Inner Package
  - Serial Number

![Image of Inbound Booking Form]

**Shipment No:** IN1006140001
**CARTON No.:** MBOX-0001
**PO No.:**
**REMARK:**
**Item No.:**
**OWNER SKU:** MISC

**Ship No:** IN1006140001
**CARTON No.:** MBOX-0001
**PO No.:** MBOX-0005
**REMARK:**
**Item No.:**
**OWNER SKU:** MISC

**Package No. Prefix:** 994469521
**Package No. Start at:** 1
**Package No. End at:**
**Increment Rate:** 1

**Next Level Inner Package**
- Next Level No. of Package
- Start Next Level No.
- End Next Level No.
- Increment Rate

**Serial No. Range Input**
- Serial No. of Generate
- Serial No. Start at
- Serial No. End at
- Increment Rate
Inbound Booking (Cont.)

• Auto updated Status
  – Booking Level: Confirm → Receiving → Received

• Management controls
  – Booking: New → Confirm (→ Un-confirm)
  – Charge & Cost: New → Confirm → (Un-confirm)
  – D/N, C/N, Cost: New → Confirm → (Un-confirm)

• Miscellaneous cargo handling
• Barcode label
• Other documents: Packing summary, invoice etc.
Stock In

- Stock In Package by Package or by booking
- Quick stock-in or stock-in with inspection
- Adjust related information during stock-in
- SKU#, Carton#, Production Log displayed
Un-Stock IN

<table>
<thead>
<tr>
<th>Book No.</th>
<th>Package ID</th>
<th>Inner Carton#</th>
<th>SKU#</th>
<th>Pro. Log</th>
<th>Carton#</th>
<th>CBM</th>
<th>N.WGT</th>
<th>G.WGT</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEST1</td>
<td>CLS000000168995</td>
<td>77G028436 ~ 77G028437 (2)</td>
<td>MISC</td>
<td>2</td>
<td></td>
<td>0.0000</td>
<td>10.0000000000</td>
<td>11.0000000000</td>
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<td>77G028438 ~ 77G028439 (2)</td>
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<td>CLS000000169009</td>
<td>77G028440</td>
<td>MISC</td>
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<td>0.0000</td>
<td>11.0000000000</td>
<td>12.0000000000</td>
<td>620</td>
</tr>
</tbody>
</table>

- Un-stock in the package one by one, or by booking
Put Away

- Scan the Package barcode and location barcode.
Relocation

<table>
<thead>
<tr>
<th>Relocation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Package ID</td>
</tr>
<tr>
<td>Original Location ID</td>
</tr>
<tr>
<td>New Location ID</td>
</tr>
</tbody>
</table>

- Relocate the package one by one
Outbound Booking

- Information required for outbound booking is similar to Inbound Booking
- Auto-Breaking during gen-package in Outbound Booking
Pick Up

- Pick up the package (s)
  - Select Original Package
  - scan the barcode of package and location
  - Confirm
Un-Pick Up

- Un-pick up the package one by one, or by booking
- original location will be assigned to the package
**Stock Out**

- **Stock Out Package by Package or Per Booking**

<table>
<thead>
<tr>
<th>Book No.</th>
<th>Package ID</th>
<th>PO#</th>
<th>Inner Carton#</th>
<th>SKU#</th>
<th>Pro. Log</th>
<th>Carto</th>
</tr>
</thead>
<tbody>
<tr>
<td>OB0708010001</td>
<td>CLS000000163045</td>
<td></td>
<td></td>
<td>RB521G-30T2R</td>
<td>001</td>
<td></td>
</tr>
<tr>
<td>OB0708010001</td>
<td>CLS000000163052</td>
<td></td>
<td></td>
<td>RB521S-30TE61</td>
<td>002</td>
<td></td>
</tr>
<tr>
<td>OB0708010001</td>
<td>CLS000000163059</td>
<td></td>
<td></td>
<td>RB521S-30TE61</td>
<td>003</td>
<td></td>
</tr>
</tbody>
</table>

- **Confirm**: OB0708010001
  - PickUp (3) --> Status : Picked

**Stock Out Time**: 11:12 (e.g. 22:30)

**Stock Out Date**: 2007/08/08

- CLS000000163045
- CLS000000163052
- CLS000000163059 is stocked out!
### Un-Stock Out

<table>
<thead>
<tr>
<th>Book No.</th>
<th>Package ID</th>
<th>Inner Carton#</th>
<th>SKU#</th>
<th>Pro. Log</th>
<th>Carton#</th>
<th>CBM</th>
<th>N.WGT</th>
<th>G.WGT</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>test-out</td>
<td>CLS000000169002</td>
<td>MISC</td>
<td>3</td>
<td></td>
<td></td>
<td>0.00000</td>
<td>10.000000000</td>
<td>11.000000000</td>
<td>500</td>
</tr>
</tbody>
</table>

- **Un-Stock Out** the package one by one or by booking
- **Package status will be updated to Pick-Up**
Breaking

- Select booking or package
- Input general information
- Generate the new package
- Confirm the operation
Pack

- Select Booking
- Select packages
- Calculate the new package
- Confirm (Pack) the operation
Serial Number Management

- Input Serial number during generate the package
Serial Number Management

- Input Booking Number to search all Packages in the booking
- Select the package
- Re-assign the serial number

Serial# assigned to selected package
Serial# un-assigned
Invoice & Cost

- Included: Inbound/Outbound D/N, C/N, Cost and Free Form Invoice.
- Auto get Shipment information from booking
- Auto get charge/Cost items from booking
Invoice & Cost (cont.)

- Monthly Statement
- Sales Profit and Loss Report
- Account Receivable Report
- Profit and Loss Statement
Inventory Report

- By Package
- By SKU
- By Commodity
- By Production Log
- By Date Code (Expire Day / Produce Date)
Other Reports

• Shipment Status
• Order Status
• Picking List
• Daily Receiving
• Daily Delivery
• Daily Booking
• Daily Inventory
PDA Version

- Functions
  - Stock In
  - Put Away
  - Pick Up
  - Stock Out
  - Relocation
  - Cycle Count
  - Serial No. Management
Stock In (PDA)

- Quick Receiving
- Detail information adjustment

Click to input more information

Click to receive the goods / Quick Receiving
Put Away (PDA)

- Put Away by Booking
- Put Away one by one
- Allow manual input or by barcode scanner
Pick Up (PDA)

Input / Scan Book# / Package ID
Relocation (PDA)

Scan Original Location ID
Scan New Location ID

<table>
<thead>
<tr>
<th>Package ID</th>
<th>Location ID 1</th>
<th>Location ID 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLS000000168995</td>
<td>7A010102</td>
<td>7A010101</td>
</tr>
</tbody>
</table>

Submit  | Cancel
Serial Number Management (PDA)

- Scan / Input Package
- Scan / Input Serial No. one by one
- Inputted Serial No. stored in the list for batch update
Contact Us

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