



WAREHOUSE MANAGEMENT SYSTEM

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CRISTAL Warehouse Management System

CRISTAL WMS System Functionality

Legend: Y – Yes / Available
 CC – Configure at Client/Customer
 CS – Configure at System
 L – Limited Function
 O – Optional
 NA – Not Applicable
 - – Not Available

Functionality	LITE	STANDARD	ENTERPRISE
1. GENERAL			
a. Warehouse Configuration	Pre-define		
i. Multiple Warehouses (Physical)	-	Y	Y
ii. Multiple Zones (Logical Warehouses)	-	Y	Y
• Zone Type			
– Storage	Y	Y	Y
– Pick-Pack	-	Y	Y
– Non-Picking	-	Y	Y
– WIP (For Kitting)		Y	Y
iii. Location Setup and Maintenance	-	Y	Y
iv. Stations			
• Multi-Tasks	Y	Y	Y
• Receiving	-	Y	Y
• Despatch	-	Y	Y
v. Warehouse Task Prioritise	-	Y	Y
b. Product Configuration			
i. Product Ownership	NA	Y	Y
• Multiple client using same product code	NA	Y	Y
ii. Stock Control			
• Receipt Date	Y	Y	Y
• Lot Tracking	-	Y	Y
• Batch Tracking	-	Y	Y
• Expiry / Use-by Date	-	Y	Y
– Shelf Life (Default)	-	Y	Y
– Expiry Pre-alert	-	Y	Y
• Production Date	-	Y	Y
• Item Size	-	Y	Y
• Item Color	-	Y	Y
• Item Class	-	Y	Y
• Stock Ownership	-	Y	Y
• Country of Origin	-	Y	Y
• Supplier	-	Y	Y
• Serial Number Collection	-	Y	Y
– Recording (at Picking)	-	Y	Y
– Tracking (at Receipt and Picking)	-	Y	Y
• Dimensions Recording	-	Y	Y
• Weight Recording (Catch Weight)	-	Y	Y
• Multi-packaging	-	Y	Y
iii. Others			
• Multi-level unit of measurement hierarchy	Y	Y	Y
• Handle Nesting Products	-	Y	Y

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Functionality	LITE	STANDARD	ENTERPRISE
• Pallet Stacking	-	Y	Y
• Density Sequencing	-	Y	Y
• Storage Zoning	-	Y	Y
– Multiple Fixed	Y	Y	Y
– Auto zoning	-	Y	Y
• Bonded Product control	-	Y	Y
• 9 levels of Product Grouping	Y	Y	Y
• Dangerous Goods Attributes	Y	Y	Y
• Costs and Prices Control	Y	Y	Y
– Average Costing	Y	Y	Y
– FIFO Costing	-	Y	Y
• Minimum-Maximum Stocking	Y	Y	Y
• ABC Classification	Y	Y	Y
– By Movements	Y	Y	Y
– By Value	-	Y	Y
• Cycle Count Frequency Control	-	Y	Y
• Pick Zone Operation		Y	Y
c. Client Entities			
i. Client			
• Multi Client	Y	Y	Y
• Client specific report templates	-	Y	Y
– Delivery Orders	-	Y	Y
– Goods Receipt Note	-	Y	Y
– Goods Receipt Note (Costing)	-	Y	Y
– Invoice	-	Y	Y
– Load Manifest	-	Y	Y
– Load summary	-	Y	Y
– Purchase Order	-	Y	Y
– Sales Order	-	Y	Y
ii. Customer			
• Multi Customer per client	Y	Y	Y
• Multi Deliveries per Customer	Y	Y	Y
iii. Supplier	Y	Y	Y
d. Others			
i. Miscellaneous Utilities			
• General Utilities			
– ABC Class and Cycle Count Update	-	Y	Y
– Alternate Code Check	-	Y	Y
– Change Products Status	-	Y	Y
– Item Attributes Exclusion List	-	Y	Y
– Opening Balance Adjustment	-	Y	Y
– Pallet Location Synchronise	-	Y	Y
– Product Code Change	-	Y	Y

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Functionality	LITE	STANDARD	ENTERPRISE
– Product Details Update	-	Y	Y
– Product Pricing Update	-	Y	Y
– Product UOM Correction	-	Y	Y
– Reverse Transaction	-	Y	Y
– Stock Owner Removal	-	Y	Y
– Synchronise Booked Quantity	-	Y	Y
– Undo Receipt Check In	-	Y	Y
– Undo Sales Order Release	-	Y	Y
– Walk Order Re-sequence	-	Y	Y
– Works Order Reassign / Release	-	Y	Y
• System Administration Utilities			
– Clear Client Transactions	-	Y	Y
– Clear Despatch Grid	-	Y	Y
– Delete Client Data	-	Y	Y
– Generate Receipt Interface	-	Y	Y
– Generate Works Order Interface	-	Y	Y
– Initiate Database	-	Y	Y
– Warehouse Move Update	-	Y	Y
– Warehouse Transfer	-	Y	Y
2. ACCESS SECURITY CONTROL			
a. Users (Group) Access Control	-	Y	Y
i. Menu Options	-	Y	Y
ii. Clients	-	Y	Y
iii. Works	-	Y	Y
• Warehouse-Zones	-	Y	Y
• Task Types	-	Y	Y
– Priority	-	Y	Y
• Maximum Number of Tasks	-	Y	Y
• Maximum Task Load	-	Y	Y
iv. Customer	-	Y	Y
v. Reports	-	Y	Y
vi. Miscellaneous Utility	-	Y	Y
vii. Item Code by	-	Y	Y
• Brand	-	Y	Y
• Product Group	-	Y	Y
• Department	-	Y	Y
b. User Profile			
i. Active / Inactive Control	-	Y	Y
ii. User Preferred Language Option	-	Y	Y
• User define	-	Y	Y
iii. Enforced Password Change	-	Y	Y

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Functionality	LITE	STANDARD	ENTERPRISE
3. INCOMING SHIPMENT			
a. Receipt			
i. Types			
• Drop Shipment	-	Y	Y
• Inter-Warehouse Transfer	-	Y	Y
• Manual (User assign location for putaway)	Y	Y	Y
• Normal (System generated putaway with user override)	-	Y	Y
• Pick Pack (Break Bulk Crossdocking)	-	Y	Y
• Returns	-	Y	Y
• Transit (Crossdocking – no break bulk)	-	Y	Y
ii. Direct (Blind) Receipt	Y	Y	Y
iii. Receiving Against Purchase Orders	-	Y	Y
iv. Receiving Against ASN	-	Y	Y
v. Receipt Number			
• System Generated	Y	Y	Y
• Manual Assigned	Y	Y	Y
vi. Others			
• Print Pallet Label	Y	Y	Y
• Print Carton Label	Y	Y	Y
b. Check In			
i. Line Check In	-	Y	Y
ii. Partial Receipt Check-in Against ASN	-	Y	CC
iii. Full Receipt Check-in Against ASN	-	Y	CC
iv. Stock Control Data Collection			
• Grade	Y	Y	Y
• Lot Tracking	-	Y	Y
• Batch Tracking	-	Y	Y
• Custom Lot Tracking		y	y
• Expiry / Use-by Date	-	Y	Y
– Short Balance Shelf Life warning	-	Y	Y
– Expired stock warning	-	Y	Y
• Production Date	-	Y	Y
• Item Size	-	Y	Y
• Item Color	-	Y	Y
• Item Class	-	Y	Y
• Stock Ownership	-	Y	Y
• Country of Origin	-	Y	Y
• Supplier	-	Y	Y
• Serial Number Collection	-	Y	Y
• Dimensions Recording	-	Y	Y
• Weight Recording	-	Y	Y
• Multi-packaging	-	Y	Y

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Functionality	LITE	STANDARD	ENTERPRISE
• Catch Weight	-	Y	Y
c. Putaway Methodologies			
i. System Direct	-	Y	Y
• Grade Zoning	-	Y	Y
• Pick Frequency Based	-	Y	Y
• User specified zoning	-	Y	Y
• Pickface Top up	-	CC	CC
• Auto crossdock if outstanding sales orders	-	CC	CC
ii. System Direct with Manual Override	-	Y	Y
iii. Manual Putaway	Y	Y	Y
d. Miscellaneous			
i. Release backorder sales orders on Putaway	-	CC	CC
ii. Auto Print of Goods Receipt Notes	-	CS	CS
iii. Warning of First Time Receipt	-	Y	Y
• For Supplier	-	Y	Y
• For Stock Owner / Customer	-	Y	Y
iv. Receipt Costing	-	Y	Y
4. OUTGOING SHIPMENT			
a. Sales Orders			
i. Types			
• Adhoc – one time order	-	Y	Y
• Bonded – for custom bonded product	-	Y	Y
• Direct – manual order – deduct stock without Warehouse Task process	Y	Y	Y
• Reserve – special order type to reserve stock per customer request without compromising FIFO or other stock control parameters	-	Y	Y
• Retail – same as Direct but also print Invoice/Receipt	-	Y	Y
• Urgent - Same as Adhoc but override Reserve stock which will automatically replenish by new receipts	-	Y	Y
ii. Stock Control Parameters Entry (Optional)			
• Grade	Y	Y	Y
• Lot Tracking	-	Y	Y
• Batch Tracking	-	Y	Y
• Expiry / Use-by Date	-	Y	Y
• Production Date	-	Y	Y
• Item Size	-	Y	Y
• Item Color	-	Y	Y
• Item Class	-	Y	Y
• Stock Ownership	-	Y	Y
• Country of Origin	-	Y	Y



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Functionality	LITE	STANDARD	ENTERPRISE
• Supplier	-	Y	Y
• Pre Pack Packaging	-	Y	Y
• Catch Weight (Mandatory if activated)	-	Y	Y
iii. Others			
• Sales Order Numbering	Y	Y	Y
– System Generated	Y	Y	Y
– Client Specific	-	Y	Y
– Manual Assigned	Y	Y	Y
• Duplicate or copy order	Y	Y	Y
• Document Reference (Unique)	-	CS	CS
• Back Order partial fulfilled sales order	Y	CC	CC
• Full Picks Only Control	-	CC	CC
• Designated Despatch Station for Customer	CC	CC	CC
• Default Special Instructions by Customer	Y	Y	Y
b. Picking			
i. Full Order Picks Only	CC	CC	CC
ii. Pick by Sales Order	-	CC	CC
iii. Spilt Loose and Whole picking	-	CC	CC
iv. Picking Methods	-	CC	CC
• FEFO-FIFO (with space optimisation	Y	Y	Y
• FEFO-FIFO PRODUCTIVITY	-	Y	Y
• LEFO-LIFO	-	Y	Y
• PPQ LARGEST FIRST	-	Y	Y
• PPQ SMALLEST FIRST	-	Y	Y
• PRECEDING BATCH	-	Y	Y
• PRECEDING LOT	-	Y	Y
• PRODUCTIVITY	-	Y	Y
• SPACE OPTIMISATION (disregard FIFO)	-	Y	Y
• Optional separate WHOLE /LOOSE picks (except for PRODUCTIVITY options)	-	Y	Y
v. Picking Sequence			
• AISLE-BAY PRIORITY	-	Y	Y
• AISLE-LEVEL PRIORITY	-	Y	Y
• ITEM CODE	-	Y	Y
• ITEM DENSITY	-	Y	Y
• PALLET NO	-	Y	Y
• WALK SEQ	-	Y	Y
• ZONE PRIORITY	-	Y	Y
• LAST PICKED Location	-	Y	Y

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Functionality	LITE	STANDARD	ENTERPRISE
c. Delivery			
i. Use of wedge scanner for order selection	-	Y	Y
ii. Delivery Routing / Planning	-	Y	Y
iii. Delivery Order Printing	-	Y	Y
• Consolidation by Customer	-	Y	Y
• Client specific Delivery Order Format	-	Y	Y
• Client-Customer Delivery Order Format	-	Y	Y
iv. Load Manifest	-	Y	Y
v. Load Summary	-	Y	Y
vi. Partial Delivery	-	Y	Y
vii. Unselect for non-delivery	-	Y	Y
viii. Delivery Confirmation	-	Y	Y
• Wedge scanner data entry	-	Y	Y
d. Others			
i. Sales Forecast	-	Y	Y
ii. Customer Requirement	-	Y	Y
iii. Sales Campaign	-	Y	Y
iv. Shipping Instruction	-	Y	Y
v. Kitting Order	-	Y	Y
5. STOCK MANAGEMENT			
a. Replenishment			
i. Static Pickfaces	-	Y	Y
• Grade	-	Y	Y
• Replenish Quantity	-	Y	Y
• Replenish Level – trigger by Picks Confirmation	-	Y	Y
• Multiple pickfaces per SKU	-	Y	Y
• Multiple SKU per pickface	-	Y	Y
ii. Dynamic Pickfaces (No predefined items required)	-	Y	Y
b. Inter-Warehouse Transfer	-	Y	Y
c. Pallet Relocation	-	Y	Y
d. Item Relocation	-	Y	Y
e. Stock Adjustment	-	Y	Y
f. Item Re-labelling (Change of stock attributes)	-	Y	Y
g. Serial Numbering Maintenance	-	Y	Y
h. Item Ownership Transfer		Y	Y
6. QUALITY ASSURANCE			
a. QA Hold	-	Y	Y
b. QA Release	-	Y	Y
c. Quality Inspection Setup	-	Y	Y
d. Quality Inspection Data Entry	-	Y	Y
i. Lot Control	-	Y	Y
ii. Pass / Fail Status	-	Y	Y

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Functionality	LITE	STANDARD	ENTERPRISE
7. 3PL SERVICES BILLING	-	O	Y
a. Billable Services			
i. Adhoc Services (Activity)	-	-	Y
ii. Fixed Rate	-	-	Y
iii. System Computable Activity	-	-	Y
iv. Storage	-	-	Y
v. User Definable	-	-	Y
b. Storage Billing Method			
i. Accrual (Backward Billing)	-	-	Y
ii. Advanced (Forward Billing)	-	-	Y
iii. Anniversary	-	-	Y
• Week	-	-	Y
• Month	-	-	Y
iv. Straight Billing	-	-	Y
v. Average Billing	-	-	Y
vi. Maximum Pallet	-	-	Y
c. Billing Period (Non-Anniversary Method)			
i. Daily	-	-	Y
ii. Weekly (Calendar)	-	-	Y
iii. Monthly (Calendar)	-	-	Y
iv. User Defined Period	-	-	Y
d. Billing Unit of Measurement			
i. Loose	-	-	Y
ii. Whole	-	-	Y
iii. Pallet	-	-	Y
iv. Location	-	-	Y
v. Pallet – Physical	-	-	Y
vi. Pallet – Logical	-	-	Y
vii. Order Lines	-	-	Y
viii. Orders	-	-	Y
ix. Weight	-	-	Y
x. Volume	-	-	Y
xi. Revenue Ton	-	-	Y
xii. Scan Count	-	-	Y
xiii. Trip			Y
e. Computation Date			
i. Actual Date (System)	-	-	Y
ii. Planned Date (Scheduled)	-	-	Y
f. Others			
i. Free Days	-	-	CC
ii. Steps Charging	-	-	Y
iii. Minimum Charges	-	-	Y
iv. System Compute	-	-	Y
v. Manual Compute	-	-	Y

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Functionality	LITE	STANDARD	ENTERPRISE
vi. Debit Note	-	-	Y
vii. Credit Note	-	-	Y
viii. Account Receivable	-	-	Y
ix. Statement of Accounts	-	-	Y
x. Account Payable	-	-	Y
xi. Bank Accounts	-	-	Y
xii. Bank Reconciliation	-	-	Y
8. YARD MANAGEMENT	-	Y	Y
a. Loading Bay (Station) Maintenance	-	Y	Y
b. Shipping Instructions	-	Y	Y
c. Gate Controller	-	Y	Y
9. FILE IMPORT/EXPORT			
a. Automated Import / Export	-	-	Y
i. Product Definition	-	-	Y
ii. Customer Profiles	-	-	Y
iii. Supplier Profiles	-	-	Y
iv. Purchase Order	-	-	Y
v. Advanced Ship Note	-	-	Y
vi. Sales Orders	-	-	Y
b. Manual Import / Export	-	Y	Y
i. Barcodes	-	Y	Y
ii. Customers	-	Y	Y
iii. Sales orders / Picklists	-		Y
• Basic	-	Y	Y
• With Packing Instruction	-	Y	Y
• Without packing instruction	-	Y	Y
iv. Product Master	-	Y	Y
v. Purchase Order	-	Y	Y
vi. Receipt	-	Y	Y
vii. Supplier Master	-	Y	Y
viii. Supplier Cross-reference	-	Y	Y
ix. Warehouse Transfer	-	Y	Y

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Functionality	LITE	STANDARD	ENTERPRISE
c. User Definable Data Export	-	Y	Y
10. OTHERS			
a. Airway Bill (Natural)	-	-	Y
b. Bill of Lading	-	-	Y
c. Consignment Note (EU specification)	-	-	Y
11. RF WAREHOUSE	-	Y	Y
a. Window Mobile 5 / 6 PDA			
b. IEEE 802.11x wireless network			
c. Internet Deployment Enabled			
d. Functionalities			
i. Check In / Putaway	-	Y	Y
ii. Putaway By Task	-	Y	Y
iii. Pick by Sales Order	-	Y	Y
iv. Replenishment Bu Task	-	Y	Y
v. Stock Adjustment	-	Y	Y
vi. Pallet Relocation	-	Y	Y
vii. Item Relocation	-	Y	Y
viii. Product UOM Definition	-	Y	Y
ix. Initial Stock Entry	-	Y	Y
x. Stock Count (Batch Update)	-	Y	Y
xi. Cycle Count By Task	-	Y	Y
xii. Serial Numbers Maintenance	-	Y	Y
xiii. Outstanding Tasks Query	-	Y	Y
xiv. Inventory Query	-	Y	Y
xv. Print Label	-	Y	Y
12. MAIN REPORTS FUNCTION	-	Y	Y
• Over 300 report templates covering all aspects of warehouse and management requirement			
13. EMAILING	-		Y
a. Scheduled Reports Emailing			Y
i. Stock Status	-	Y	Y
ii. Replenishment Requirement			Y
iii. Expiry Stock Report			Y
iv. Low Stock Report			Y
b. Automated Emailing			Y
i. Receipt Advice			Y
ii. Delivery ASN			Y
14. WEB BASED FUNCTIONS	-	Y	Y
a. Reports			
i. Stock Status			
ii. Incoming Shipment			

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Functionality	LITE	STANDARD	ENTERPRISE
iii. Outgoing Reports			
iv. Stock Ageing Report			
v. Use By / Expiry Date Analysis Report			
vi. Inventory Replenishment Report			
vii. Audit Trial Report			
viii. Free (Uncommitted) Stock Report			
b. Data Export			
c. Sales Order Entry			
d. Stock Status Enquiry			
i. By item			
ii. By attributes			
• Lot			
• Batch			
• Production Date			
• Expiry Date			
• Lot			