



# Kensium WMS Optimization

The KensiumWMS optimization suite solves several issues facing large or complex warehouse environments.

1. Increasing visibility into which sales orders to convert to shipments given inventory constraints.
2. Minimize the number of items to be picked by allowing the ability to pick by UOM.
3. Maximizing the items on a shipment by delivering cross-dock capabilities for receiving and manufacturing.
4. Controlling pick locations to reduce pick time and efficiency.
5. Facilitating restocking of primary pick locations to increase pick efficiency.

One feature of KensiumWMS Optimization is to minimize the number of items to be picked. Sales orders are typically presented in the quantity of individual items ordered. However, items are generally stocked in various Units of Measure (UOM) in the warehouse. During Acumatica's Create Shipment routine, KensiumWMS takes the SO quantity and using the UOMs as defined in the Cross Reference tables, determines the minimum "things" to be picked to fill the order quantity. For example, if an item's case count is 24 and the SO quantity is 100, Kensium will convert the Shipment to 4 cases and 4 individual items.

The Shipment line will reflect the items and order quantity. However, the Line Details for the given line will reflect the location, UOM and quantity for each UOM as determined by Kensium WMS Optimization. Note the Sales Order and the ensuing invoice will reflect the same line items/quantities. Kensium WMS only affects the Shipment.

The screenshot displays the Kensium WMS Optimization interface. The top section shows shipment details for Shipment Nbr. 004367, Customer: ABC HOLDING - ABC Holdings Inc, and Location: MAIN - Primary Location. The status is Open, and the operation is Issue. The shipment date is 10/23/2023. The description is empty. The bottom section shows the Line Details table, which lists the items to be picked. The table has columns for Inventory ID, Location, Quantity, UOM, Description, Alternate ID, Alternate ID Description, Pick UOM, and UOM Pick Qty. The table shows three lines: CON... R1S2 (60.00 EA, South Shore Savann...), CON... R1S1 (10.00 EA, South Shore Savann...), and CON... R2S1 (5.00 EA, South Shore Savann...). The Pick UOM and UOM Pick Qty columns are highlighted in red.

Inventory ID	Loc	Quantity	UOM	Description	Alternate ID	Alternate ID Description	Pick UOM	UOM Pick Qty
CON...	R1S2	60.00	EA	South Shore Savann...	10020	Box of 20	BOX20	3.000000
CON...	R1S1	10.00	EA	South Shore Savann...	CONBABY1	South Shor...	EA	10.000000
CON...	R2S1	5.00	EA	South Shore Savann...	CONBABY1	South Shor...	EA	5.000000

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