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JobOps/Sage 100cloud Manufacturing Integration with Scanco Multi-Bin

Scanco Multi-Bin may be integrated with JobOps/Sage 100cloud Manufacturing. Review JobOps/Sage 100cloud Manufacturing and Scanco Multi-Bin Platform Matrix for version compatibility. Refer to the JobOps/Sage 100cloud Manufacturing Installation Guide and the JobOps/Sage 100cloud Manufacturing with Scanco Multi-Bin User Guide for more information.

JobOps/Sage 100cloud Manufacturing and Scanco Multi-Bin Platform Matrix

Sage 100	Product Update	JobOps/Sage 100c Manufacturing	Sage Sales Tax Powered by Avalara	Scanco Multi-Bin
2018 Version 6.00.1.0	Product Update 1	6.00.1.0.0	6.0.0.0 || 00.0 Version 6.00 Release Date 11/14/2017	6.021
2017 Version 5.40.3.0	Product Update 3	5.40.3.0.1	5.40.0.0 || 02.0 Version 5.40 Release Date 06/06/2017	5.403

Warning: Please contact the JobOps sales department to obtain JobOps/Sage 100cloud Manufacturing with Scanco Multi bin installers, documentation, and training, or to setup a demo of JobOps/Sage 100cloud Manufacturing with Scanco Multi-Bin.

Setup Information

Enter and review information in the following areas after installing JobOps/Sage 100cloud Manufacturing and Scanco Multi-Bin.

- Manufacturing Options
- Dynamic Inventory
- Multi-Bin and WMS Company Options
- Work Ticket Class Maintenance

Warning: The installation checklists provided in the JobOps/Sage 100cloud Manufacturing Installation Guide must be followed in order to successfully install and setup JobOps/Sage 100cloud Manufacturing with Scanco Multi-Bin.

Overview of Required Setup Information

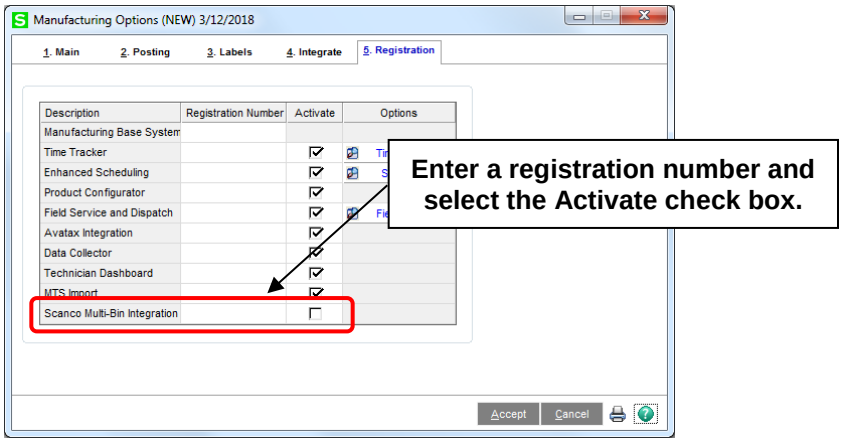
Complete the following setup processes after installing or upgrading to JobOps/Sage 100cloud Manufacturing and Scanco Multi-Bin in order to activate Scanco Multi-Bin in Manufacturing Options. Refer to the JobOps/Sage 100cloud Manufacturing Installation Guide for complete installation instructions.

1. Activate Scanco Multi-Bin from Library Master Setup menu > Scanco Multi-Bin Product Registration. Refer to the Scanco Multi-Bin Quick Start Guide and Documentation Manual for more information on how to activate Scanco Multi-Bin.
2. Run the Scanco Multi-Bin Prepare Data process from Library Master Setup menu > Scanco Multi-Bin Product Registration for companies utilizing Scanco Multi-Bin. Refer to the Scanco Multi-Bin Quick Start Guide and Documentation Manual for more information on how to prepare data for Scanco Multi-Bin.
3. Access Manufacturing Utilities menu > Dynamic Inventory Conversion to activate dynamic inventory when Scanco Multi-Bin is to be utilized in a company. Refer to the JobOps/Sage 100cloud Manufacturing Installation Guide for information on the dynamic inventory conversion process.

   Note: The Scanco Multi-Bin integration with JobOps/Sage 100cloud Manufacturing is only available when dynamic inventory is activated.
4. Run the Multi-Bin Setup Wizard by selecting Inventory Management Setup menu > ACS Warehouse Mgmt Systems Options when Scanco-Multi-Bin was not installed in the previous Sage 100 version.
5. Assign a Scanco Multi-Bin Integration registration number and select the Activate check box field from the Manufacturing Options Registration tab.
6. Run the Custom Office Utilities menu >Update Customized Panels to Current Level. Review the placement of all user-defined fields. Refer to the Sage 100 Customer Upgrade Guide and the Sage 100 Upgrade Checklist.

Manufacturing Options Registration Tab

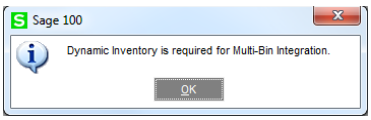
A Registration Number field and Activate check box field are available on the Manufacturing Options Registration tab. Refer to the JobOps/Sage 100cloud Manufacturing Installation Guide for information on how to obtain registration keys.



Note: The Scanco Multi-Bin activate parameter in Manufacturing Options is a company specific parameter. Scanco Multi-Bin is not required to be activated in Manufacturing Options and setup for use in a single company. However, Scanco Multi-Bin must be activated from Library Master Setup menu > Scanco Multi-Bin Product Registration after installing Scanco Multi-Bin. Refer to the Scanco Multi-Bin Quick Start Guide and Documentation Manual for more information on how to activate, prepare and setup Scanco Multi-Bin.

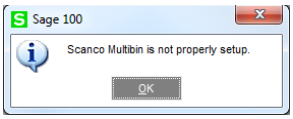
Warning Messages

The following message displays when dynamic inventory is not activated in the current company and the Scanco Multi-Bin Integration Activate check box field is selected.



Select OK. Access Manufacturing Utilities menu > Dynamic Inventory Conversion to activate dynamic inventory. Refer to the Dynamic Inventory section on page 5.

The following message displays when the Activate check box field is select and Scanco Multi-Bin Options have not been setup.



Select OK. Refer to the Scanco Multi-Bin Quick Start Guide and Documentation Manual for more information on how to activate, prepare and setup Scanco Multi-Bin.

Dynamic Inventory

Dynamic Inventory must be active in order to integrate Scanco Multi-Bin integration with JobOps/Sage 100cloud Manufacturing. Dynamic inventory is not active when a new company is created.

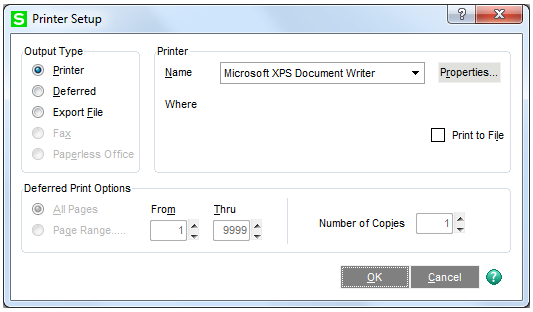
Activating Dynamic Inventory

The followings steps must be conducted in order to activate dynamic inventory successfully.

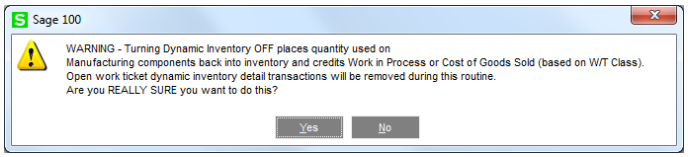
1. Create a complete company backup prior to activating the dynamic inventory feature. Use Company Maintenance to create a new company and to copy the company data. Ensure that all users are logged out of Sage 100 during the data copy and throughout the dynamic inventory conversion.
2. Access Manufacturing Utilities menu > Dynamic Inventory Conversion.

⚠ **Warning:** Invoices in Sales Order Invoice Data Entry and make to stock entries in Make to Stock Closing Entry must be deleted or updated in order to proceed with the dynamic inventory conversion.

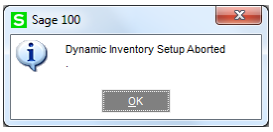
3. Specify a printer to print the Dynamic Inventory Conversion log.



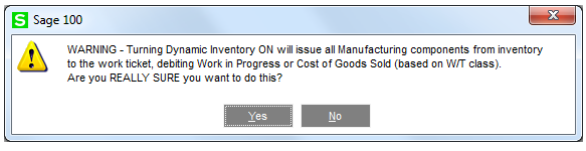
4. Select the OK button from the Printer Setup window.
5. Dynamic inventory is activated when OFF displays in the message. Select No in the message to cancel the dynamic inventory conversion process.



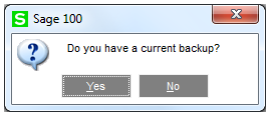
Select OK in the following message.



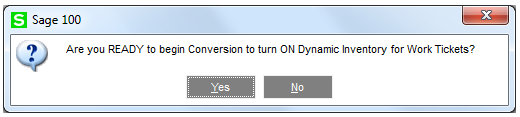
Dynamic inventory is *not* activated when *ON* displays in the message. Select *Yes* to activate dynamic inventory.



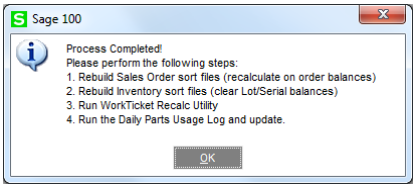
6. Select *Yes* in the following message when a backup of the current company's data files was created prior to running the Dynamic Inventory Conversion. Select *No* when a backup of the current company's data files was not created.



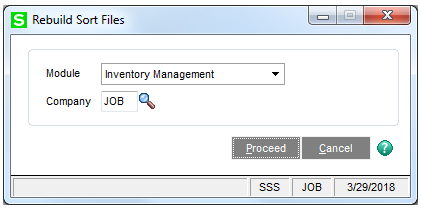
7. Select *Yes* from the following message to begin the dynamic inventory conversion process. Select *No* to cancel the dynamic inventory conversion process.



8. Select *OK* in the following message to launch the Rebuild Sort Files utility.

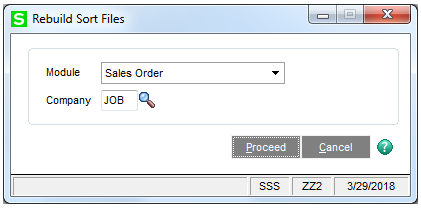


9. Rebuild application sort files for the Inventory module.



   a. Assign *Inventory Management* to the Module field.
   b. Assign the company ID to the Company field.
   c. Select the Proceed button.
   d. Select *Yes* in the *Do you want to recalculate committed lot/serial quantities?* message to recalculate committed quantities for lot and serial items.

10. Rebuild sort files for the Sales Order module.



   a. Assign *Sales Order* to the Module field
   b. Assign the company ID to the Company field.
   c. Select the Proceed button.
   d. Select *Yes* in the *Do you want to recalculate open sales order quantities in the Inventory masterfile also?* message.

11. Run the Manufacturing Utilities menu > Work Ticket Recalc Utility when JobOps/Sage 100cloud Manufacturing was installed in a prior version and work tickets exist.
12. Run and update the Daily Parts Usage Log/Update.
13. Run and update the Daily Transaction Register generated from the Daily Parts Usage Log/Update.
14. Review the Dynamic Inventory Conversion Log.

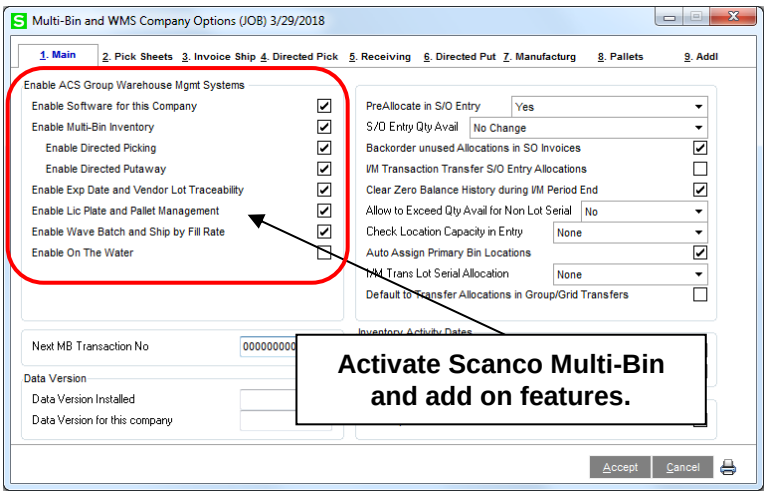
Multi-Bin and WMS Company Options

The following Scanco Multi-Bin parameter settings interact with JobOps/Sage 100cloud Manufacturing functionality. Review and compare these parameter settings with company processes when Scanco Multi-Bin is integrated with JobOps/Sage 100cloud Manufacturing. Refer to the Scanco Multi-Bin and WMS Quick Start Guide and Documentation Manual for detailed information on parameters available in Multi-Bin and WMS Company Options.

Main Tab

Enable Parameters

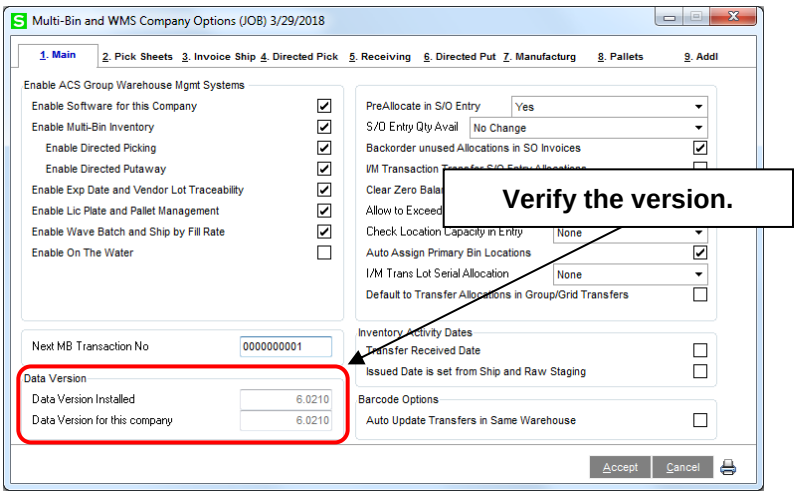
The available parameters in the Enable section is based on the activation settings in Library Master Setup menu> ACS Group Product Registration.



Note: The Enable Exp Data and Vendor Lot Traceability feature integration is not available within JobOps/Sage 100cloud Manufacturing. This feature can be used with standard Scanco Multi-Bin functions.

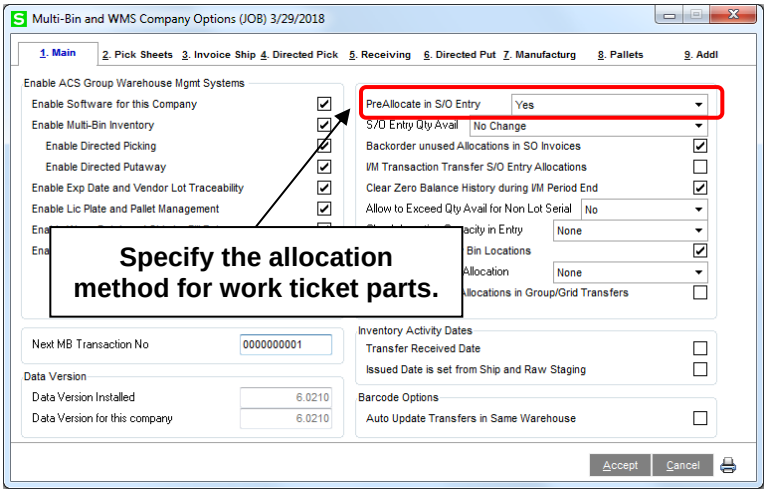
Data Version

Verify that the correct version number is assigned to the Data Version Installed and Data Version for this company fields. Review the JobOps/Sage 100cloud Manufacturing and Scanco Multi-Bin Platform Matrix on page 3.



PreAllocate in S/O Entry

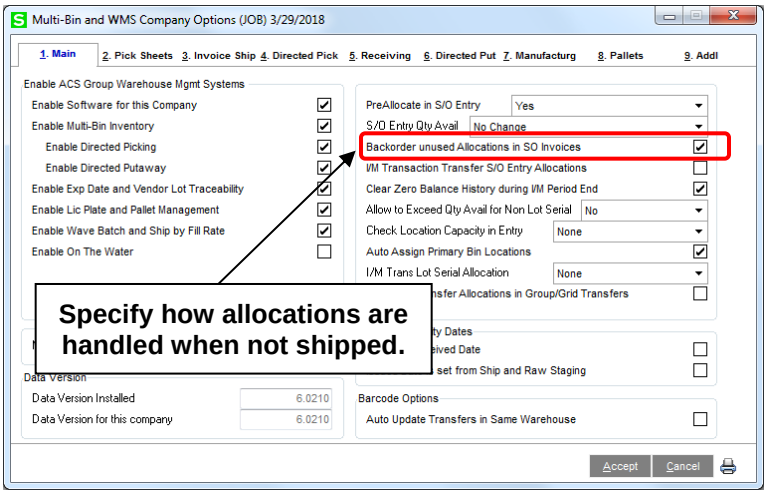
Specify the process to use when assigning allocations to items in standard sales order and work ticket parts. All available allocation entry options function for work ticket parts from the Sales Order Entry Lines tab and Work Ticket Entry/Edit Parts Usage tab. Refer to the Work Ticket Entry section on page 15.



Note: Work ticket parent items cannot be assigned allocations from Sales Order Entry.

Backorder Unused Allocations in SO Invoices

Select the Backordered Unused Allocations in SO Invoice check box field to retain allocations assigned to work ticket parts when allocations are not shipped on a partial invoice. With this setting, allocations are retained with the work ticket part and are still considered reserved to the work ticket part after a partial invoice is updated.

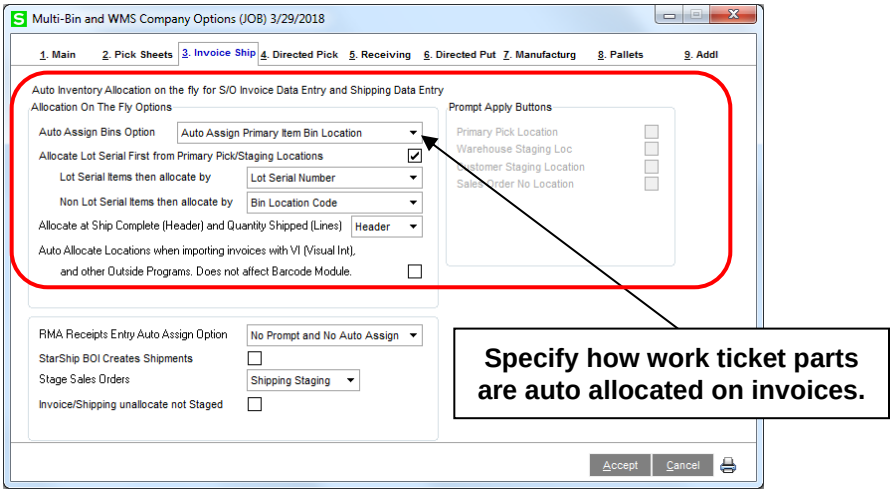


Clear the Backordered Unused Allocations in SO Invoice check box field to remove allocations from work ticket parts when work ticket parts assigned allocations are not shipped from a partial invoice. With this setting, allocated quantities are removed from the work ticket part and marked as available in inventory after a partial invoice is updated. Refer to the Invoicing and Shipping Work Tickets section on page 43 for more information on allocations and invoices.

Invoice Ship Tab

Allocation On the Fly Options

Define how allocations for work ticket parts are automatically assigned when partial and final invoices are created from Sales Order Invoice Data Entry, Shipping Data Entry and Make to Stock Closing Entry.

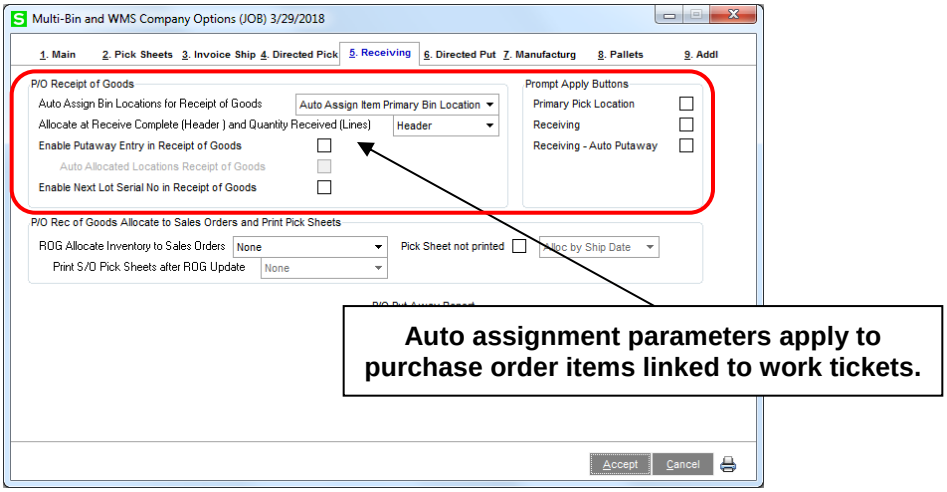


The Auto Inventory Allocation parameters apply to work ticket parts, according to standard Scanco Multi-Bin functionality when JobOps/Sage 100cloud Manufacturing and Scanco Multi-Bin are integrated. Refer to page 53 for more information on auto allocations for final invoices.

Receiving Tab

P/O Receipt of Goods

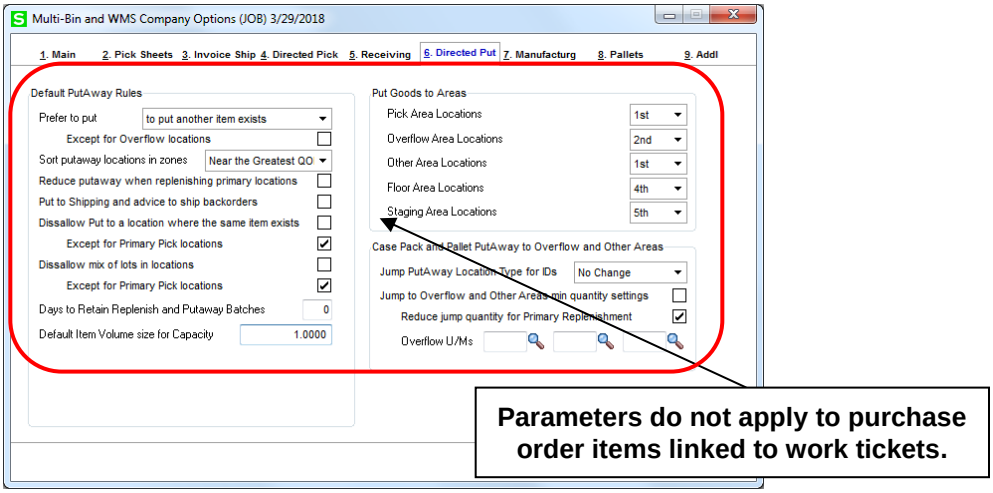
P/O Receipt of Goods parameters apply to purchase order items linked to work ticket parts according to Scanco Multi-Bin functionality when JobOps/Sage 100cloud Manufacturing and Scanco Multi-Bin are integrated.



Refer to page 65 for more information on the auto assignment of bin locations to purchase order items linked to work tickets.

Directed Put Tab

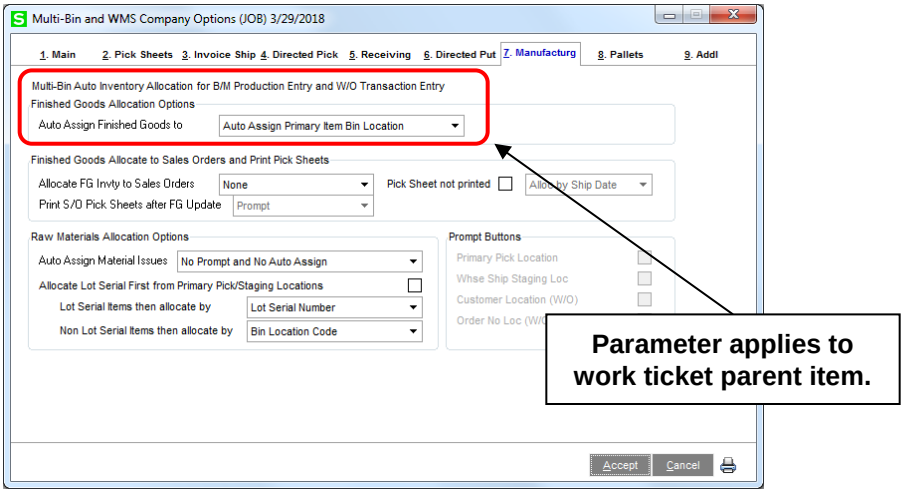
Parameters on the Directed Put tab do not apply to purchase order items linked to work tickets. When a receipt of goods is updated for a purchase order item linked to a work ticket, the quantities received are automatically assigned as used on the work ticket and are not available quantities in inventory.



Manufacturing Tab

Finished Goods Allocation Options-Auto Assign Finished Goods to Parameter

Assign an option to the Auto Assign Finished Goods to parameter to specify how bin locations are automatically assigned to a work ticket parent item shipped on a final invoice. Refer to the page 53 for more information.



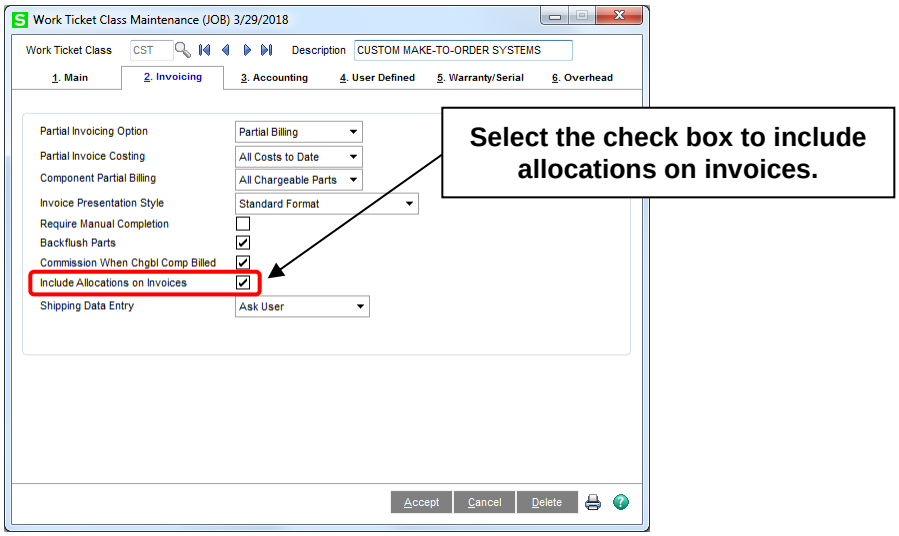
Note: Auto assign inventory allocation settings must be assigned for parent items ***and*** work ticket parts in order for allocations to be automatically assigned. When *Auto Assign Primary Item Bin Location* or *Auto Assign Warehouse Staging Location* is assigned to the Auto Assign Finished Goods to parameter, an auto assign option must be assigned to the Auto Assign Bins Option on the Invoice Ship tab in order for bin locations to be automatically assigned to parent items.

Pick Sheet and Directed Pick Tabs

The parameters assigned on the Pick Sheet and Directed Pick tabs function according to Scanco Multi-Bin functionality when JobOps/Sage 100cloud Manufacturing and Scanco Multi-Bin are integrated. Refer to the Scanco Multi-Bin and WMS Quick Start Guide and Documentation Manual.

Work Ticket Class Maintenance

The Include Allocations on Invoices parameter is available on the Invoicing tab in Work Ticket Class Maintenance when the Scanco Multi-Bin integration is activated.



Select the Include Allocations on Invoices check box field to automatically display allocations on a partial or final invoice. Clear the check box field to not default allocation quantities to a partial or final invoice. Refer to page 43 for more information on how the Include Allocations on Invoices check box field interacts with invoices.

Note: Review the setting for the Partial Invoice Costing, Component Partial Billing, and Backflush Parts in Work Ticket Class Maintenance and Backordered Unused Allocations in SO Invoice parameter in Multi-Bin and WMS Company Options. Refer to the Invoicing and Shipping Work Tickets section on page 43 and Updating Work Ticket Invoices section on page 58 for more information on how these parameters interact with creating and updating invoices.

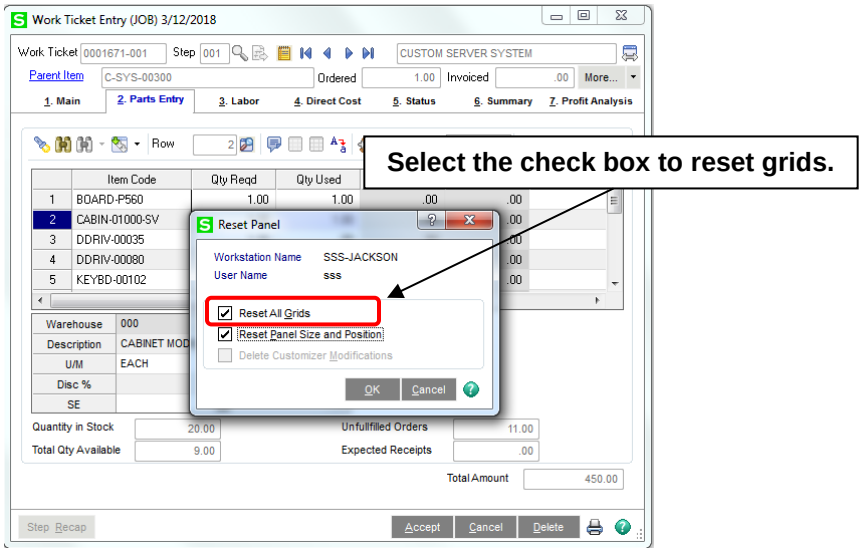
Sales Order Entry Lines Tab

Resetting Grids

It may be necessary to reset grids and/or run the Custom Office Update Custom Panels to Current Level process in order to display Scanco Multi-Bin fields when JobOps/Sage 100cloud Manufacturing was installed prior to integrating Scanco Multi-Bin.

How to Rest Grids

1. Access the Sales Order Entry Lines tab, Work Ticket Entry Parts Entry tab or the Multi-Bin Distribution window accessed from the Work Ticket Entry Parts Usage tab.
2. Right click on the grid.
3. Select Panel Settings.
4. Select Reset Panel.
5. Select the Reset All Grids check box field.



6. Select OK

Refer to Sage 100 online help for more information on the Custom Office Utilities and resetting grids and panels process.

Parent Items

The following apply to work ticket parent items.

- Allocations cannot be assigned to work ticket parent items from Sales Order Entry.
- Auto allocations do not occur for parent items.
- Parent item allocation records are assigned when an invoice is created at the time a parent item is shipped from Sales Order Invoice Data Entry, Shipping Data Entry, Make To Stock Closing Entry or Make To Stock Import. Refer to the Invoicing and Shipping Work Tickets section on page 43.

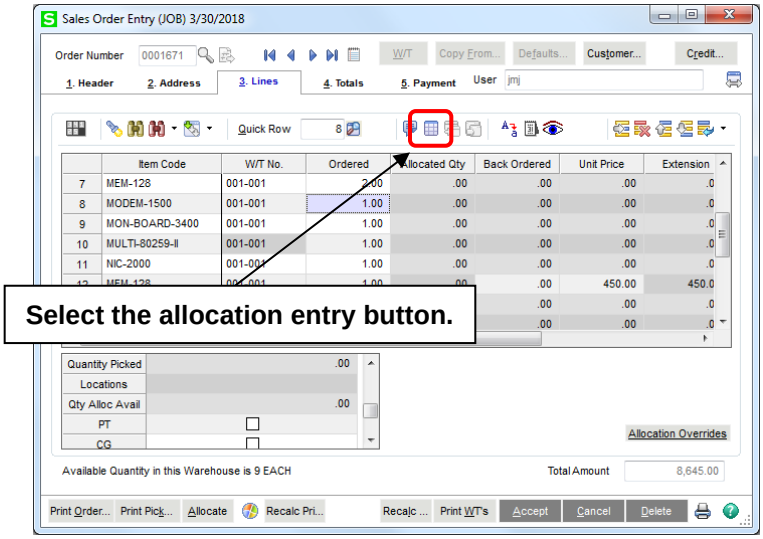
Work Ticket Parts

The following apply to work ticket parts.

- Allocations may be manually or automatically assigned for inventory work ticket parts from the Sales Order Entry Lines tab and the Work Ticket Entry Parts Entry tab.
- Allocations, manually and automatic, occur based on parameter settings and information assigned to inventory items. Refer to the Scanco Multi-Bin and WMS Quick Start Guide and Documentation Manual for more information on allocations.

How to Manually Assign Allocations to Work Ticket Parts from the Sales Order Entry Lines Tab

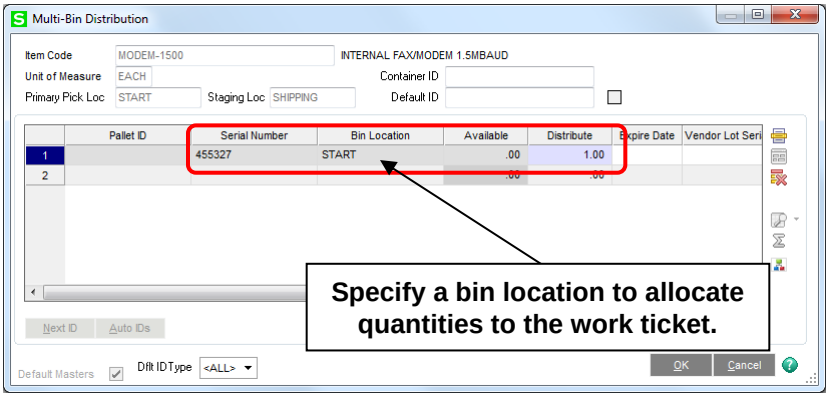
1. Access a work ticket part on the Sales Order Entry Lines tab.
2. Select the allocation entry button or Alt-Y to display the Multi-Bin Distribution window.



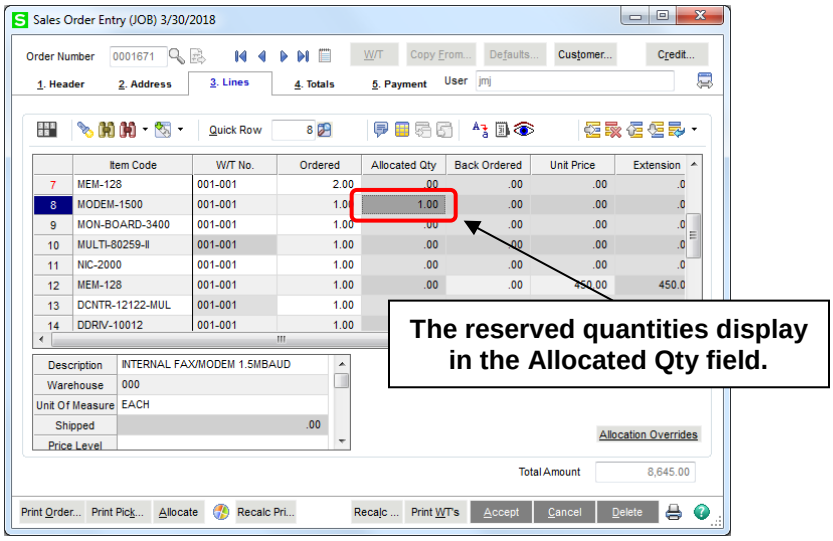
3. Assign a pallet ID and bin location. A serial or lot number is required when the item's valuation method is serial or lot.

   Note: The Pallet ID field displays when the Enable Lic Plate and Pallet Management parameter is selected in Multi-Bin and WMS Company Options.

4. Enter the allocated quantity value in the Distribute field.



5. Select the OK button.
6. Review the value assigned to the Allocated Qty field.

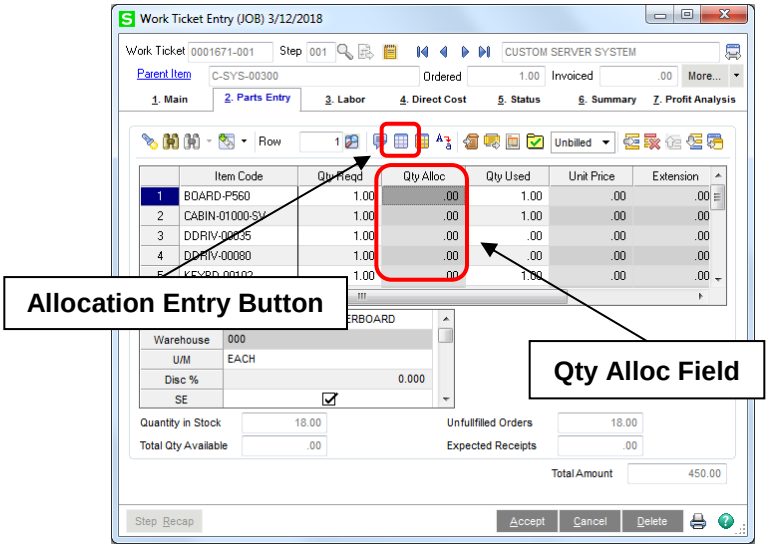


7. Select the Accept button to save the sales order.

Work Ticket Entry

Reserve work ticket parts directly from the Work Ticket Entry Parts Entry tab. The following elements, accessed from the Parts Entry tab, are available or modified when Scanco Multi-Bin is integrated with JobOps/Sage 100cloud Manufacturing

- Allocation Entry Button
- Qty Alloc field
- Multi-Bin Distribution Entry window



Allocation Entry Button

Select the Allocation Entry button or Alt-O to access the Multi-Bin Allocation Distribution Window. Allocations are not required to be assigned to work ticket parts. The Allocation Entry button is yellow when allocations are assigned to the inventory item.

The Allocate Entry Button is disabled under the following conditions.

- Scanco Multi-Bin functionality is not enabled for an item code.
- Scanco Multi-Bin functionality is not enabled for the assigned warehouse code.
- Scanco Multi-Bin functionality is not enabled for the active company.
- The Qty Reqd field is zero or less than zero.
- The work ticket part is a billed or hidden work ticket part.
- The work ticket part is linked to a purchase order.
- The PO check box field is checked and the work ticket part is not linked to a purchase order.
- The Released? check box field is checked.
- The item is a miscellaneous or special item.

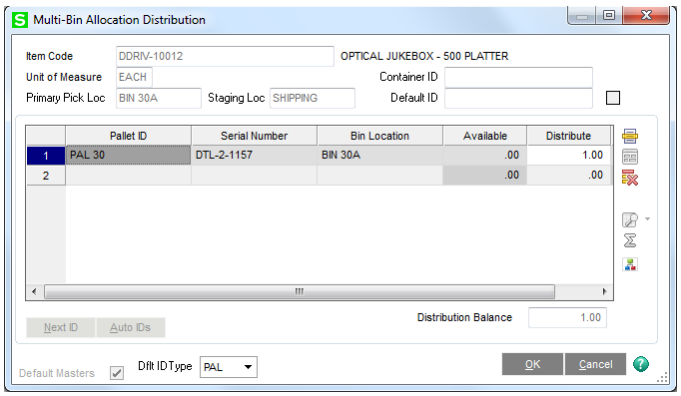
Qty Alloc Field

The Qty Alloc field displays on the Parts Entry tab when Scanco Multi-Bin is activated in Manufacturing Options. The quantity allocated displayed in this fields is updated by the allocation information entered in the Multi-Bin Distribution Entry window.

Note: Grids may need to be reset after Scanco Multi-Bin is activated in Manufacturing Options and the Qty Alloc field and Allocation Entry button do not display on the Work Ticket Entry Parts Entry tab. Refer to the Resetting Grids section on page 12.

Multi-Bin Allocation Distribution Window

Allocations may be entered for all inventory item types, including FIFO, LIFO, standard, average, lot and serial valuation methods. Select the Allocation Entry button or Alt-O to access the Multi-Bin Allocation Distribution window.



A serial or lot number is required when the item's valuation method is serial or lot. Allocations are not required to be defined in order to record a quantity used value for a work ticket part.

Note: The Distribution Balance is not required to be zero in the Multi-Bin Allocation Distribution window.

Allocating Work Ticket Parts

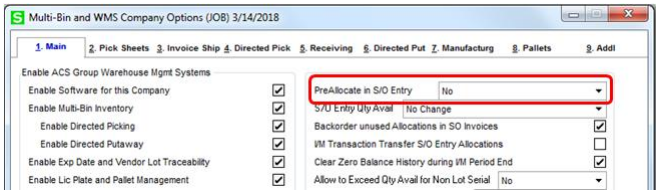
Inventory items assigned to work ticket steps may optionally be reserved or allocated to a work ticket from the Sales Order Entry Lines and Work Ticket Entry-Parts Entry tabs. The method of assigning allocations to work ticket parts is defined by the PreAllocate in S/O Entry parameter found on the Main tab in Multi-Bin and WMS Company Options.

Allocation Entry Methods

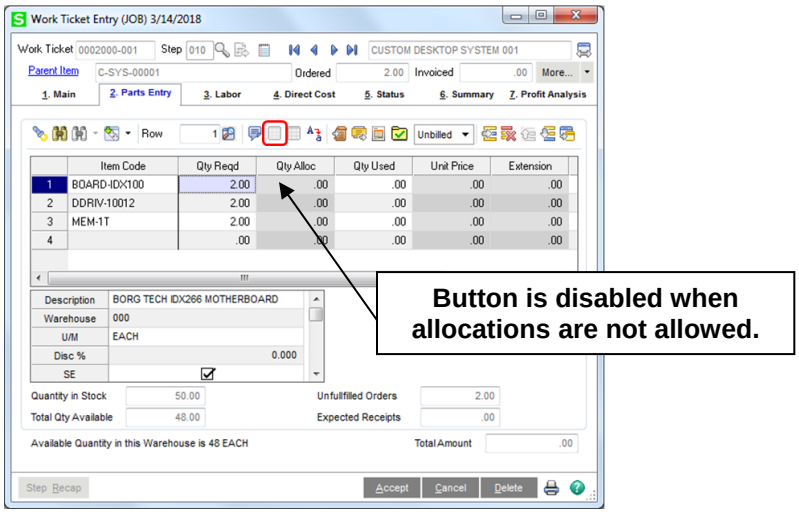
The PreAllocate in S/O Entry parameter in Multi-Bin and WMS Company Options along with information assigned to inventory items and warehouse codes determine how allocations may be assigned to work ticket parts. Refer to the Scanco Multi-Bin Quick Start Guide and Documentation Manual for more information on how to define allocation information.

Allocations Not Allowed

Allocations for work ticket parts cannot be defined from the Sales Order Entry Lines tab or the Work Ticket Entry-Parts Entry tab when *No* is assigned to the PreAllocate in S/O Entry parameter.

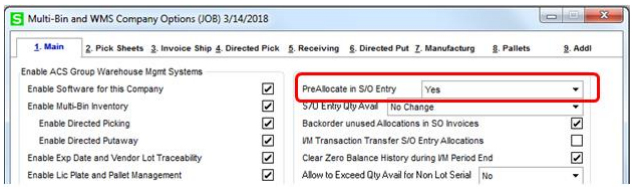


The Allocation Entry button is disabled on the Work Ticket Entry-Parts Entry tab.

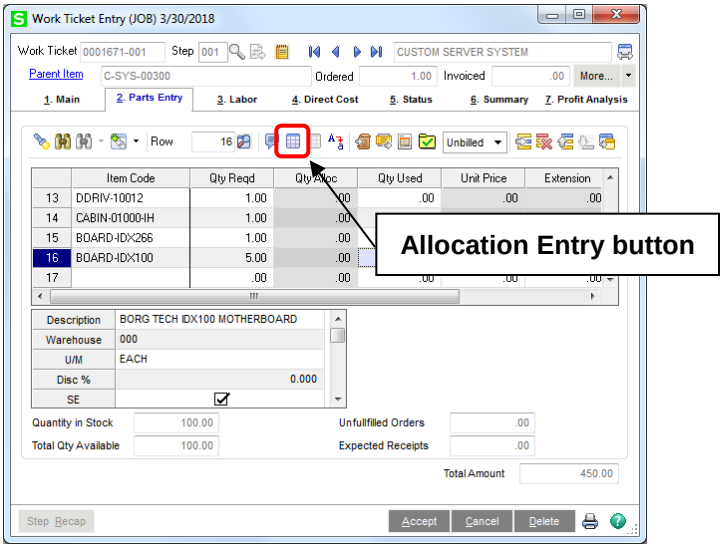


Manual Allocations

Allocations for inventory items assigned to a work ticket may be manually defined from the Sales Order Entry Lines tab or the Work Ticket Entry-Parts Entry tab when *Yes* is assigned to the PreAllocate in S/O Entry parameter.



The Allocation Entry button is enabled on the Work Ticket Entry Parts Entry tab when using the manual allocations method.



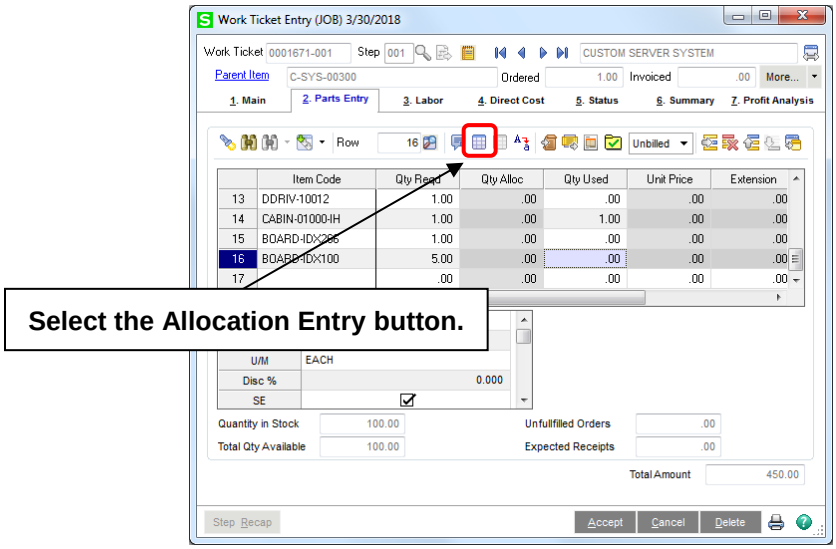
Select the Allocation Entry button or Alt-O to access the Multi-Bin Allocation Distribution window.

Note: A value greater than zero must be entered in the Qty Reqd field in order to define allocations for work ticket parts. Refer to page 15 for more information on the allocation entry button.

How to Manually Assign Allocations from Work Ticket Entry

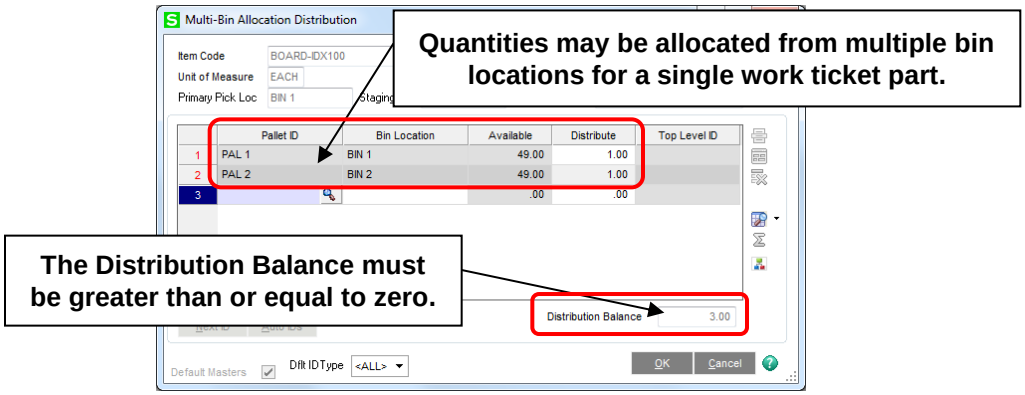
1. Assign *Yes* to the PreAllocate in S/O Entry parameter in Multi-Bin and WMS Company Options.
2. Assign an inventory item to a work ticket step on the Work Ticket Entry Parts Entry tab.

   Note: Allocations cannot be assigned for miscellaneous and special items.
3. Enter a value greater than zero in the Qty Reqd field.
4. Select the Allocation Entry button or Alt-O to access the Multi-Bin Allocation Distribution window.

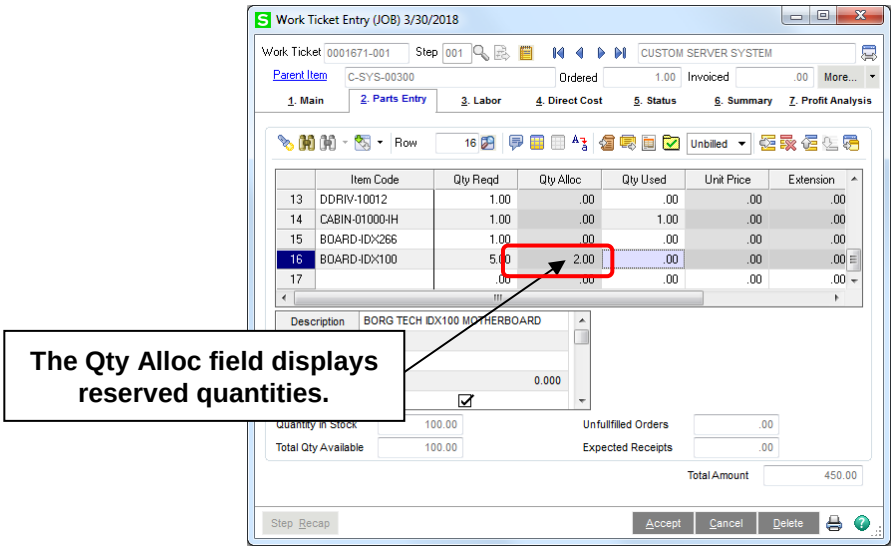


5. Assign a pallet ID and bin location. A serial or lot number is required when the item's valuation method is serial or lot.

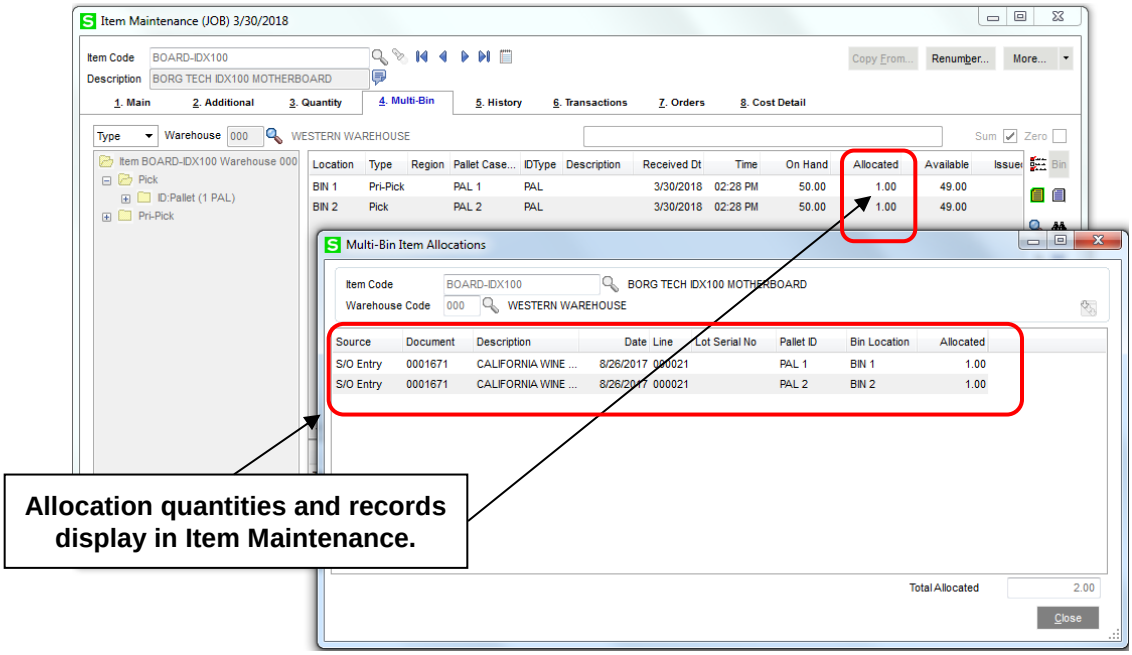
   Note: The Pallet ID field displays when the Enable Lic Plate and Pallet Management parameter is selected in Multi-Bin and WMS Company Options.
6. Enter the quantity to be allocated from the specified pallet ID, bin location and/or serial or lot number to in the Distribute field.



   Note: A quantity greater than the Qty Reqd value cannot be allocated when *Yes* is assigned to the PreAllocate in S/O Entry parameter.
7. Select the OK button.
8. Review the value in the Qty Alloc field.

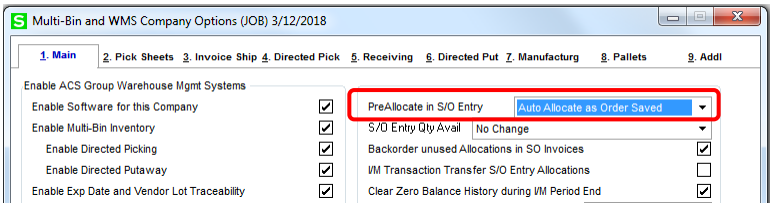


9. Select the Accept button.
10. Review the item in Item Maintenance.



Allocate as Order Saved

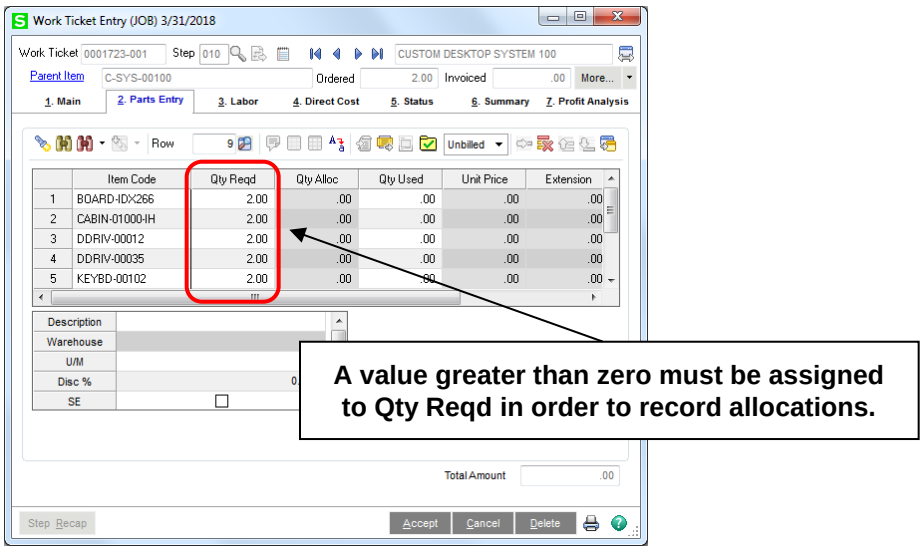
Allocations for all inventory items assigned to a work ticket may be automatically defined from the Work Ticket Entry Parts Entry tab when *Auto Allocate as Order Saved* is assigned to the PreAllocate in S/O Entry parameter



How to Automatically Assign Allocations when Saving a Work Ticket

1. Assign *Auto Allocate as Order Saved* to the PreAllocate in S/O Entry parameter in Multi-Bin and WMS Company Options.
2. Create a new work ticket or access an existing work ticket step.
3. Assign an inventory item to a work ticket step on the Work Ticket Entry Parts Entry tab.

   Note: Allocations cannot be assigned for miscellaneous and special items.
4. Enter a value greater than zero in the Qty Reqd field.

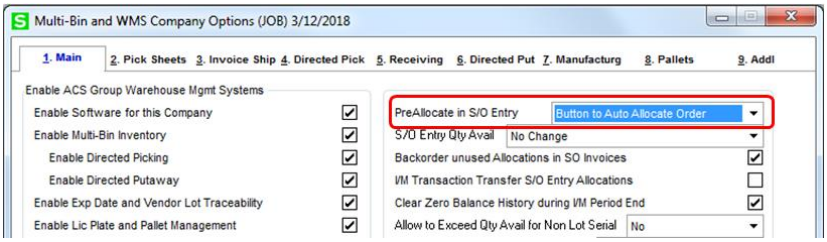


5. Select the Accept button.
6. Access the work ticket step.
7. Select the Parts Entry tab.
8. Review the value assigned to the Qty Alloc field.

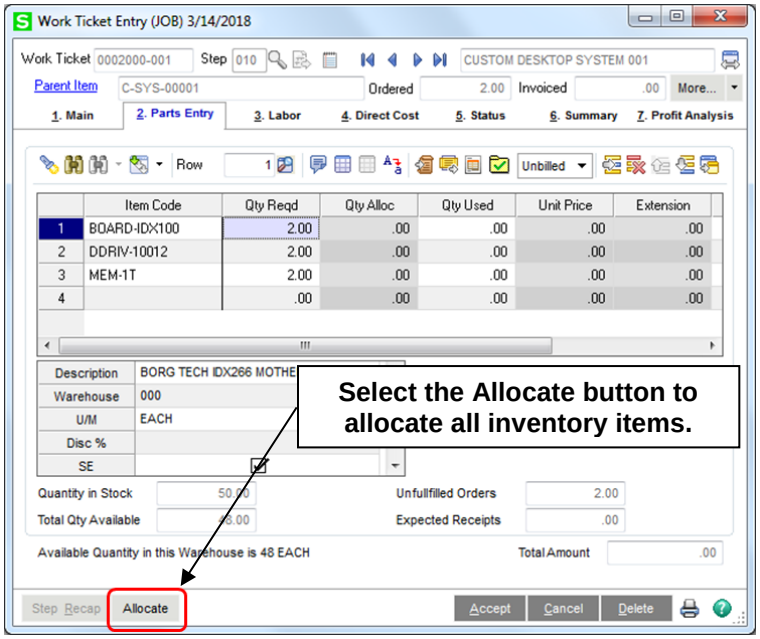
Note: The automatic assignment of allocation quantities is dependent on auto allocation setup information and quantities on hand for an inventory item. Refer to the Scanco Multi-Bin Quick Start Guide and Documentation Manual for more information on allocations.

Button to Auto Allocate Order

Allocations for all inventory items assigned to a work ticket may be automatically defined from the Work Ticket Entry Parts Entry tab when *Button to Auto Allocate Order* is assigned to the PreAllocate in S/O Entry parameter

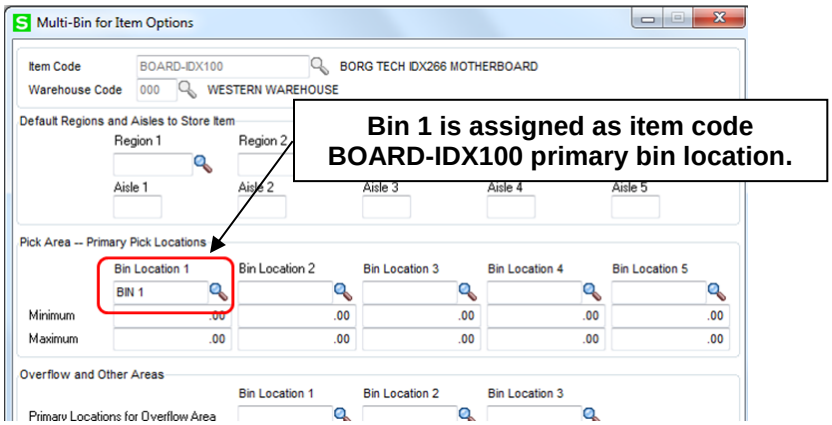


Select the Allocate button from Work Ticket Entry to automatically allocate based on Multi-Bin parameter settings.

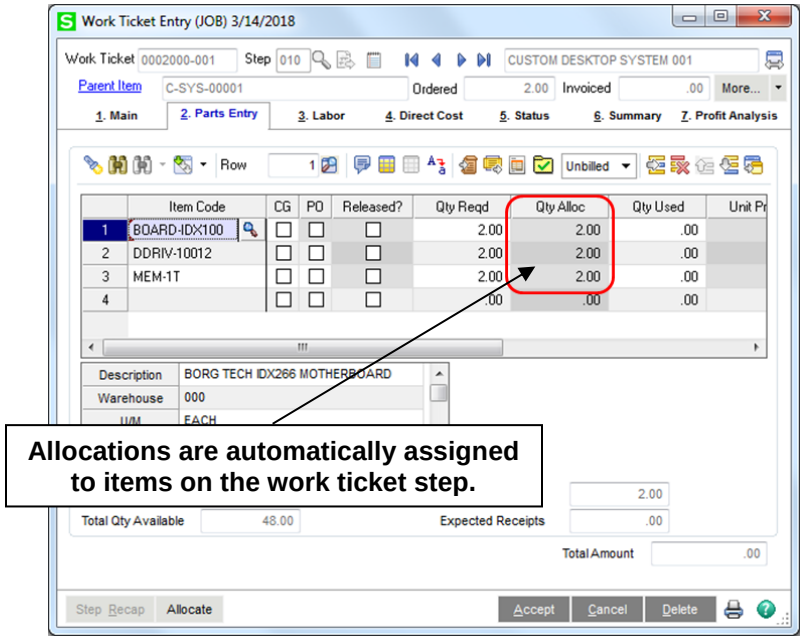


How to Automatically Assign Allocations Using the Allocate Button

1. Assign *Button to Auto Allocate Order* to the PreAllocate in S/O Entry parameter in Multi-Bin and WMS Company Options.
2. Assign auto allocation information parameters in Multi-Bin and WMS Company Options and to inventory items.



3. Assign an inventory item to a work ticket step on the Work Ticket Entry Parts Entry tab.
4. Enter a value greater than zero in the Qty Reqd field.
5. Save the item record.
6. Select the Allocate button.
7. Review the Qty Alloc field.

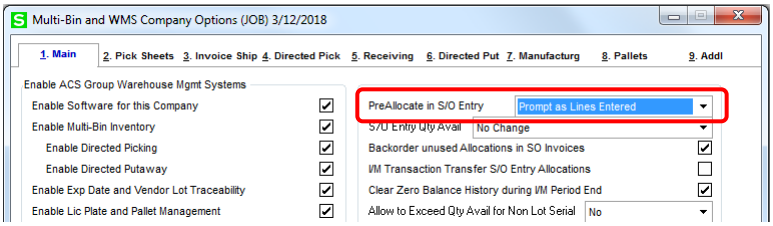


8. Select the Accept button to save the work ticket step.

Note: The automatic assignment of allocation quantities is dependent on auto allocation setup information and quantities on hand for an inventory item. Refer to the Scanco Multi-Bin Quick Start Guide and Documentation Manual for more information on allocations.

Prompt as Lines Entered

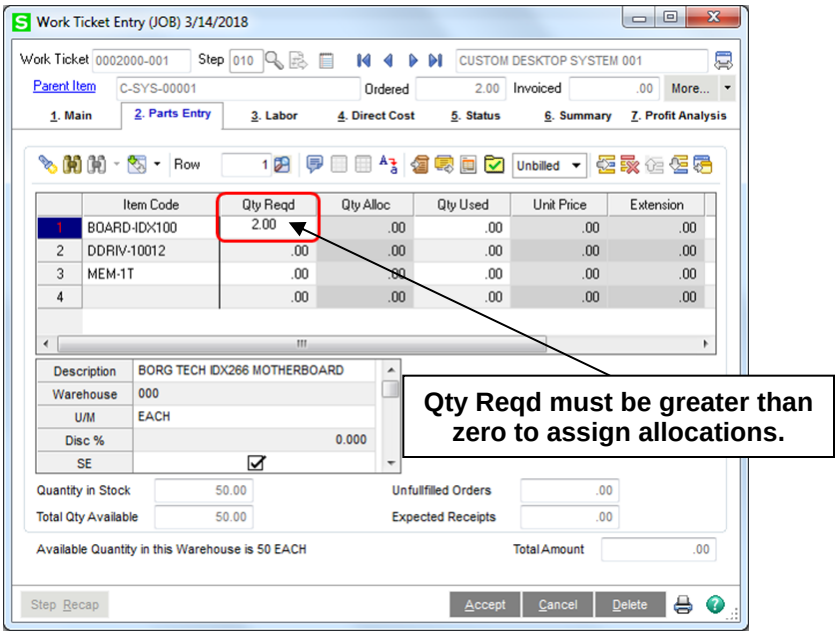
Allocations for inventory items assigned to a work ticket may be manually defined from the Sales Order Entry Lines tab or the Work Ticket Entry Parts Entry tab when *Prompt as Lines Entered* is assigned to the PreAllocate in S/O Entry parameter



With this parameter setting, the Multi-Bin Allocation Distribution window automatically displays after a value greater than zero is entered in the Qty Reqd field.

How to Assign Allocations Using the Prompt as Lines Entered Method

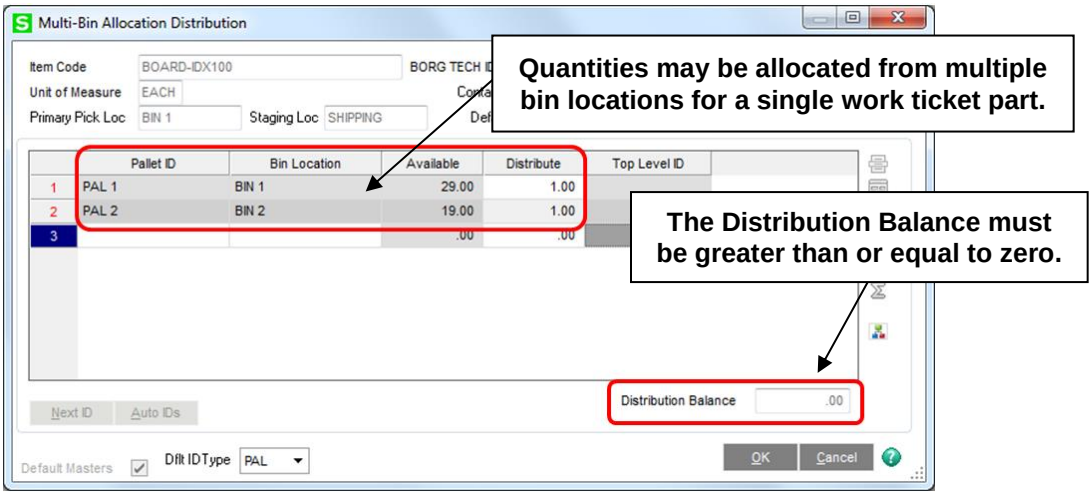
1. Assign *Prompt as Lines Entered* to the PreAllocate in S/O Entry parameter in Multi-Bin and WMS Company Options.
2. Assign an inventory item to a work ticket step on the Work Ticket Entry Parts Entry tab.
3. Enter a value greater than zero in the Qty Reqd field.



4. Tab to the next field. The Multi-Bin Allocation Distribution window displays.
5. Assign a pallet ID and bin location. A serial or lot number is required when the item's valuation method is serial or lot.

Note: The Pallet ID field displays when the Enable Lic Plate and Pallet Management parameter is selected in Multi-Bin and WMS Company Options.

6. Enter the value to allocate from the specified pallet ID, bin location and/or serial/lot number in the Distribute field.



7. Select the OK button.
8. Review the value in the Qty Alloc field.
9. Select the Accept button to save the work ticket step.

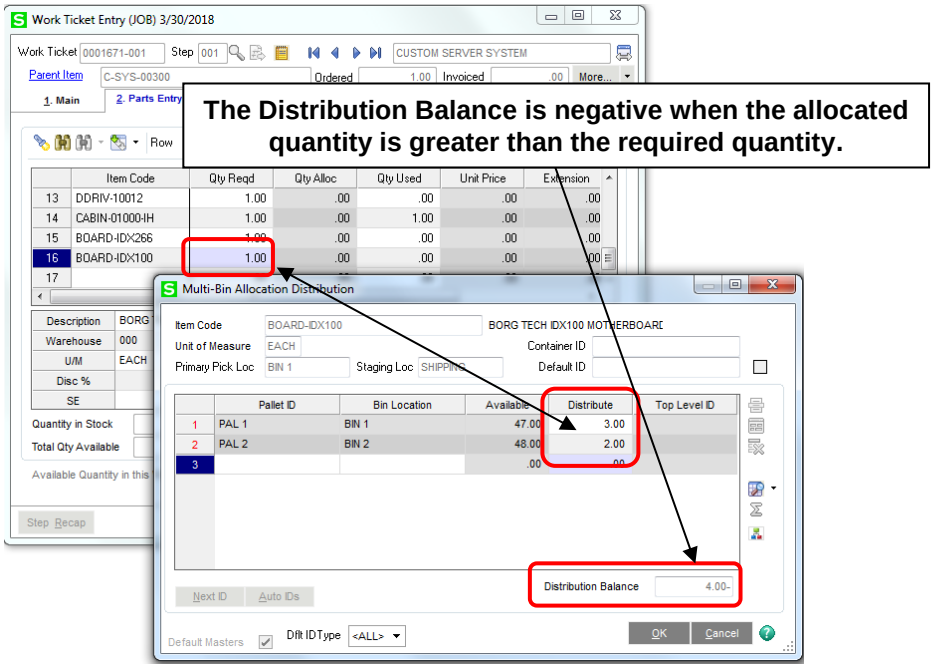
Allocate More than Order

Allocations greater than the quantity required for inventory items assigned to a work ticket may be manually defined from the Sales Order Entry Lines tab or the Work Ticket Entry Parts Entry tab when *Allocate More than Ordered* is assigned to the PreAllocate in S/O Entry parameter.

How to Allocation More than the Required Quantity

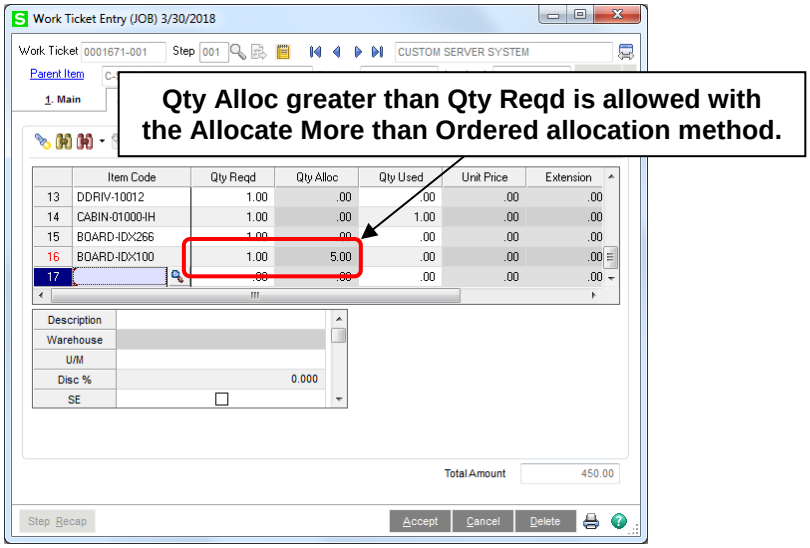
1. Assign *Allocate More than Ordered* to the PreAllocate in S/O Entry parameter in Multi-Bin and WMS Company Options.
2. Assign an inventory item to a work ticket step on the Work Ticket Entry Parts Entry tab.
3. Enter a value greater than zero in the Qty Reqd field.
4. Select the Allocation Entry button or Alt-O to access the Multi-Bin Allocation Distribution window.
5. Assign a pallet ID and bin location. A serial or lot number is required when the item's valuation method is serial or lot.

   Note: The Pallet ID field displays when the Enable Lic Plate and Pallet Management parameter is selected in Multi-Bin and WMS Company Options.
6. Enter the value to be allocated from the specified pallet ID, bin location and/or serial or lot number in the Distribute field.



Note: A quantity greater than the Qty Reqd value is only allowed when *Allocate More than Ordered* is assigned to the PreAllocate in S/O Entry parameter.

7. Select the OK button.
8. Review the value in the Qty Alloc field.



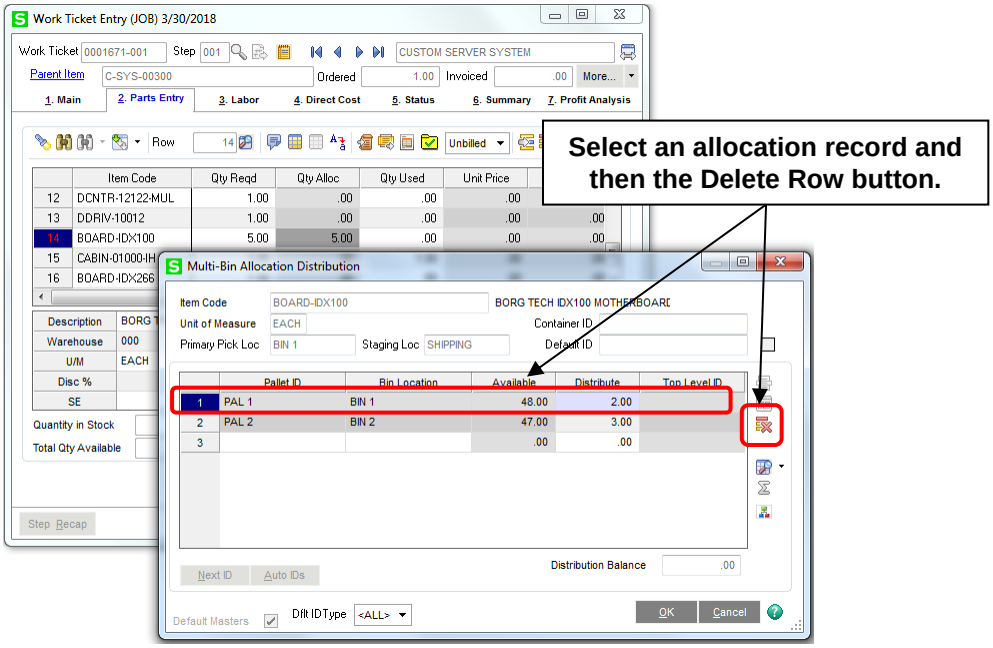
9. Select the Accept button.

Removing Allocations from Work Ticket Parts

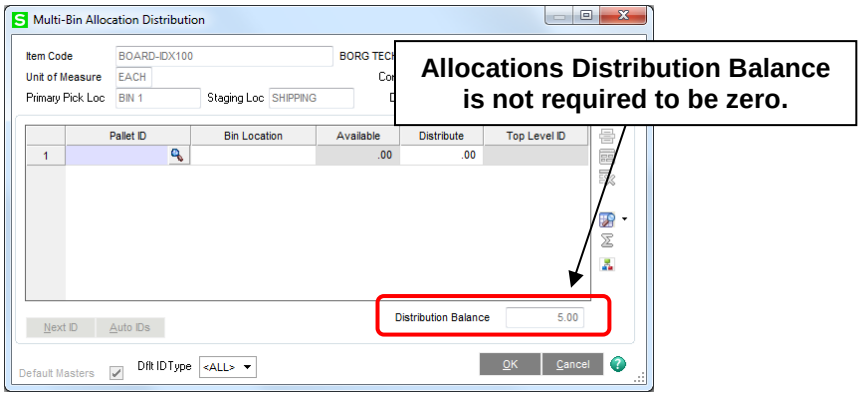
Allocations for work ticket parts may be removed from the Sales Order Entry Lines and Work Ticket Parts Entry tabs.

How to Remove Allocations Assigned to Work Ticket Parts form Work Ticket Entry

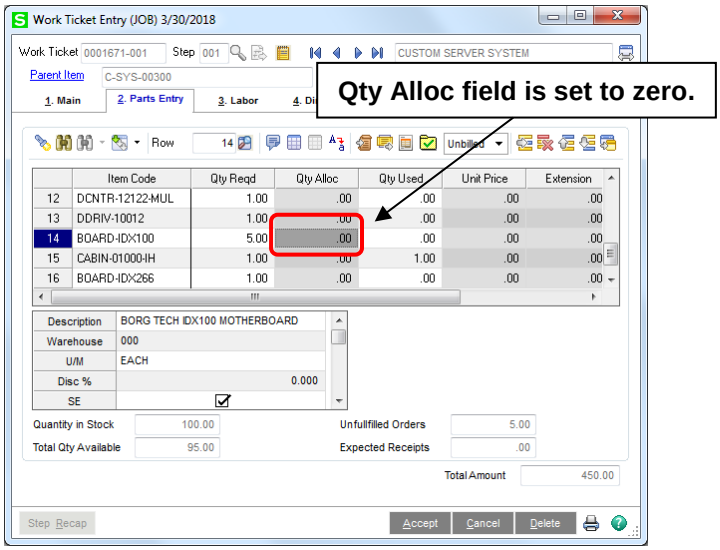
1. Access the Work Ticket Entry Parts Entry tab.
2. Access a work ticket part assigned a quantity allocated value greater than zero.
3. Select the Allocation Entry button or Alt-O to access the Multi-Bin Allocation Distribution window.
4. Access an allocation record.
5. Enter a value less than the current distributed value or select the Delete Row button.



6. Continue to edit the value assigned to the Distribute field or remove distribution records until the correct allocation quantities are achieved.



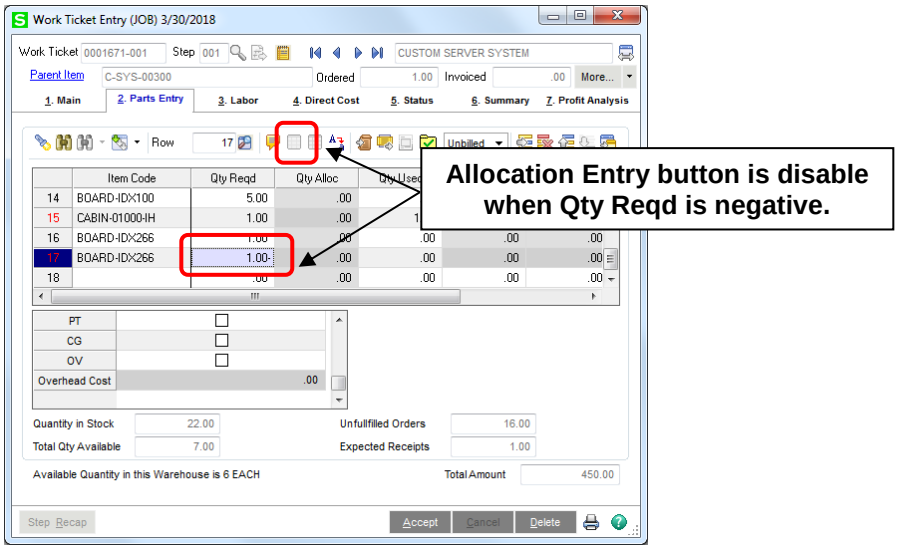
7. Select the OK button.
8. Review the Qty Alloc field.



9. Select the Accept button.

Negative Required Quantity and Allocations

An allocated quantity cannot be assigned to inventory items assigned a zero or negative required quantity. The Allocation Entry button is disabled when a value of zero or less than zero displays in the Qty Reqd field.

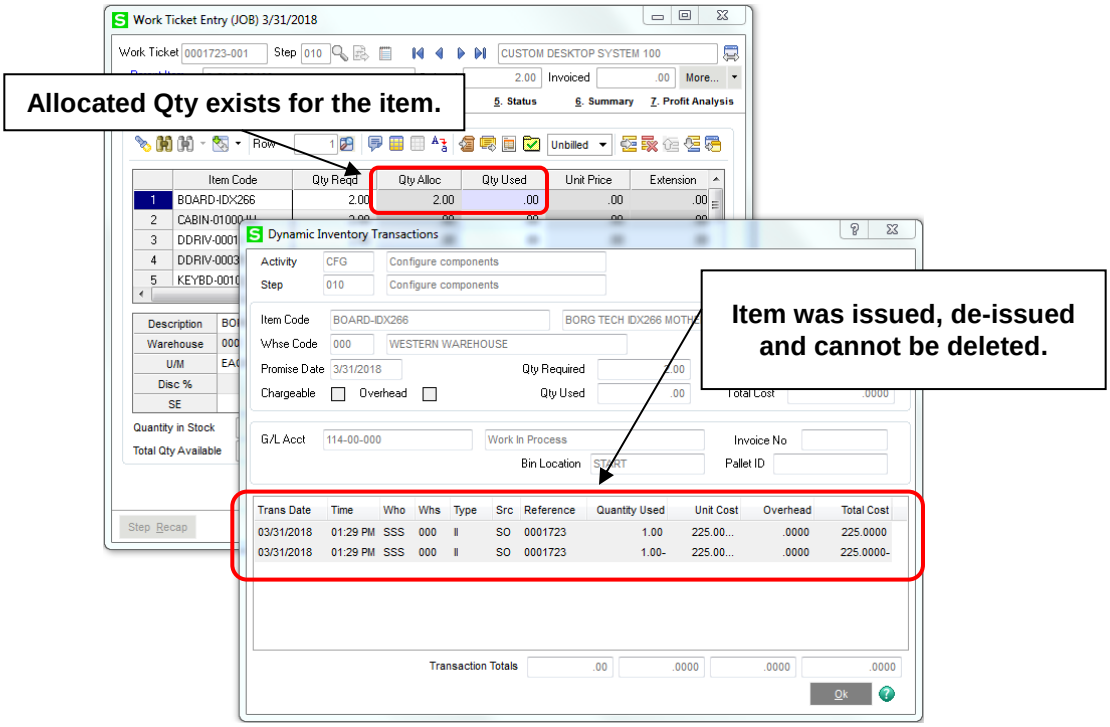


Deleting and Hiding Work Ticket Parts Assigned Allocations

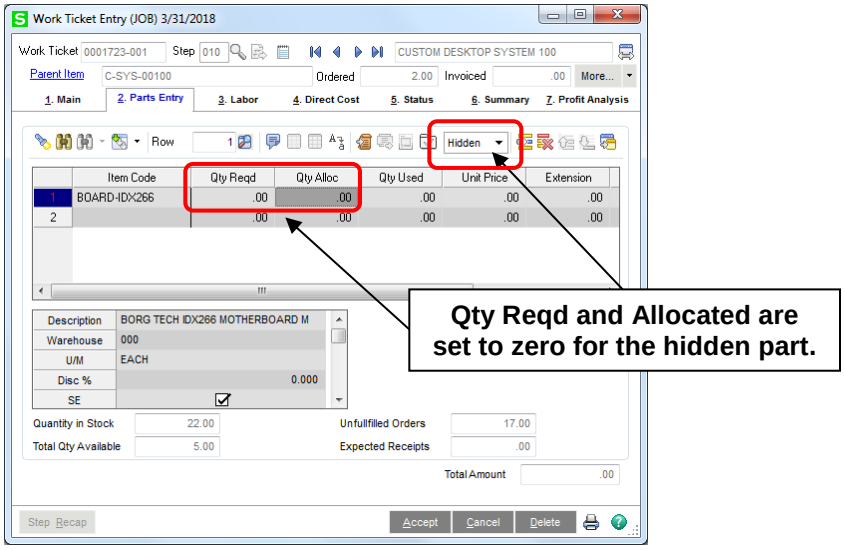
Work ticket parts may be deleted or hidden when the allocation quantity is greater than zero. The allocation quantity is removed from the work ticket part and made available in inventory when a work ticket part is deleted or hidden.

How to Hide a Work Ticket Part Assigned Allocations

1. Access an item that is assigned an allocated quantity greater than zero.



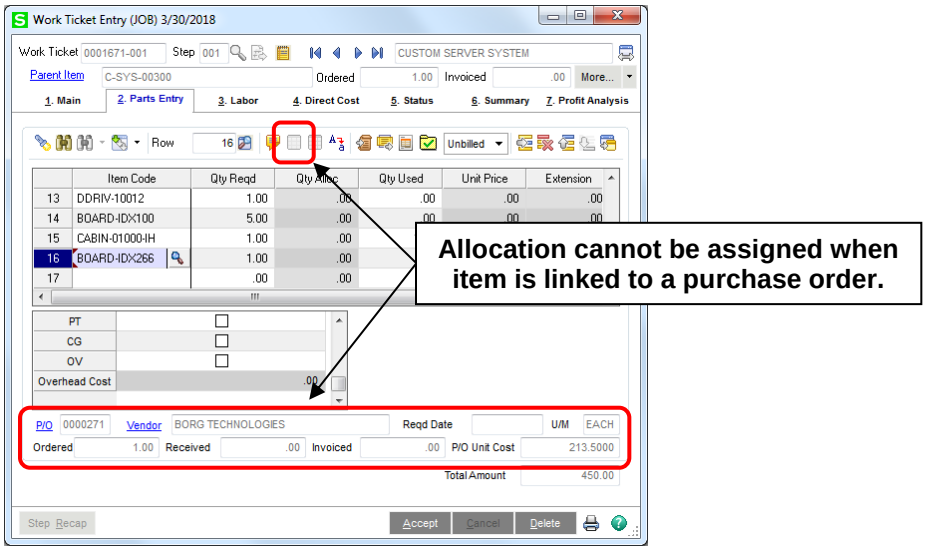
2. Select the item record from the Parts Entry tab.
3. Select the Delete Row button.
4. Select *Hidden* from the filter drop down field.
5. Review the Qty Alloc field for the hidden item.



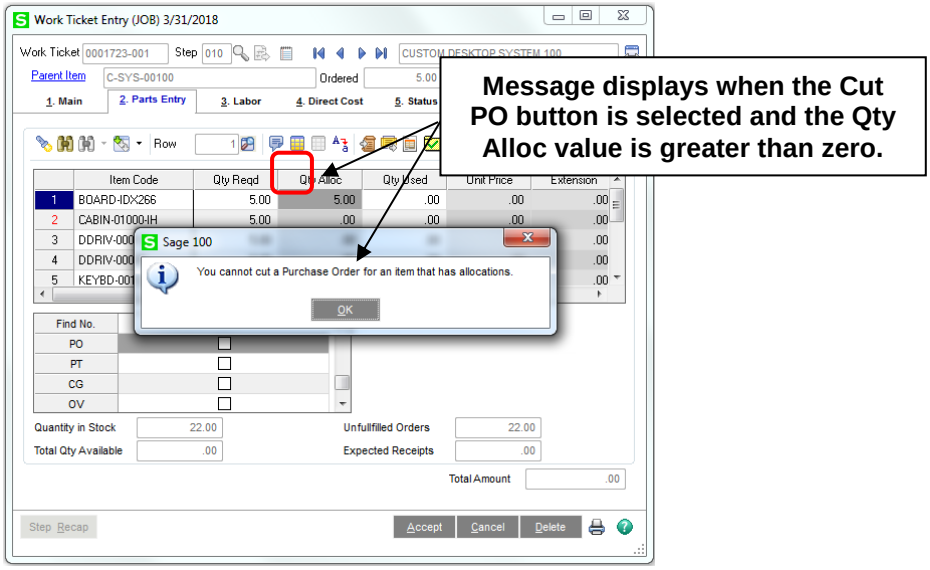
6. Review the allocated quantity in Item Maintenance. The allocated quantities are now considered available quantities in inventory.

Work Ticket Parts Linked to Purchase Orders and Allocations

Work ticket parts that are linked to purchase orders or have the PO check box field checked and are not linked to a purchase order may not be assigned allocations.



A purchase order cannot be created from a work ticket part that is assigned allocations. The following message displays when a value greater than zero is assigned to the Qty Alloc field and the Cut Purchase Order button is selected.



The PO check box field is disabled when a value greater than zero is assigned to the Qty Alloc field.

Work Ticket Parts Distribution

Allocations commit the quantity from a bin location to a work ticket. A usage or distribution records the actual use of an inventory item on a work ticket. When the Qty Used field is modified to reflect the quantities of an inventory item used on a work ticket, the quantities for that inventory item are no longer available in inventory. The immediate relief of inventory and issue to the work ticket is conducted using the JobOps/Sage 100cloud Manufacturing dynamic inventory feature.

A distribution record must be assigned in the Multi-Bin Distribution window under the following conditions.

- A value not equal to zero is entered in the Qty Used field,
- The Scanco Multi-Bin integration is activated in Manufacturing Options, and
- Scanco Multi-Bin functionality is enabled for an inventory item code. This applies to all item valuation methods which include FIFO, LIFO, average, standard, lot and serial.

A distribution record must be assigned in the Lot/Serial Number Distribution under the following conditions.

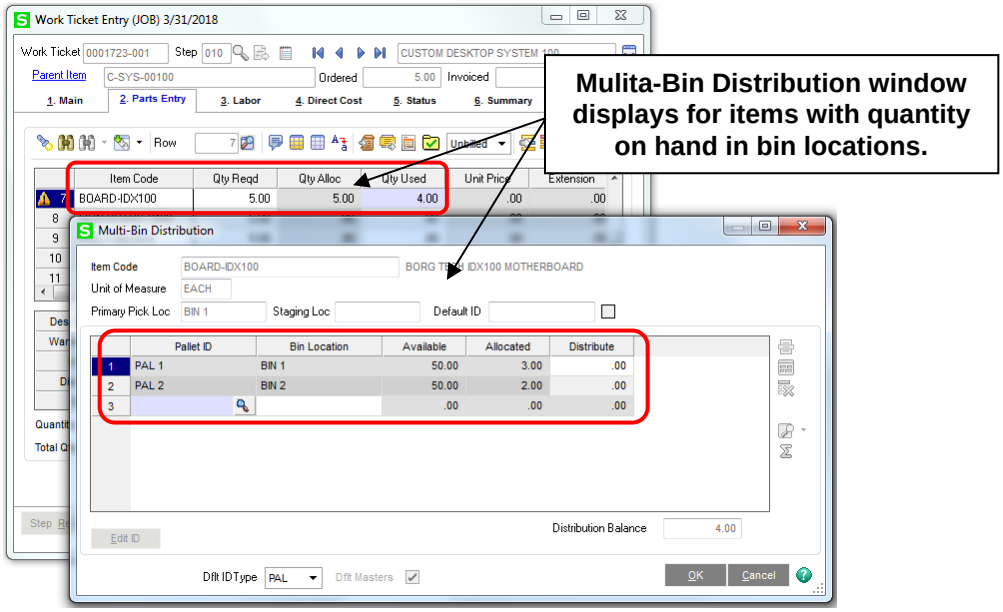
- A value not equal to zero is entered in the Qty Used field,
- The inventory item is assigned a valuation method of lot or serial,
- The Scanco Multi-Bin functionality is not enabled for an inventory item code or
- The Scanco Multi-Bin integration is not activated in Manufacturing Options.

Distribution Windows

When the Scanco Multi-Bin integration is activated in Manufacturing Options and an inventory item assigned to a work ticket step is assigned Scanco Multi-Bin information, the Multi-Bin Distribution window displays when a value not equal to zero is entered in the Qty Used field and the Multi-Bin Distribution button is selected or the line item record is saved.

Multi-Bin Distribution Window

Enter a value not equal to zero in the Qty Used field and then select the Multi-Bin Distribution button or Alt-Y to access the Multi-Bin Distribution window.

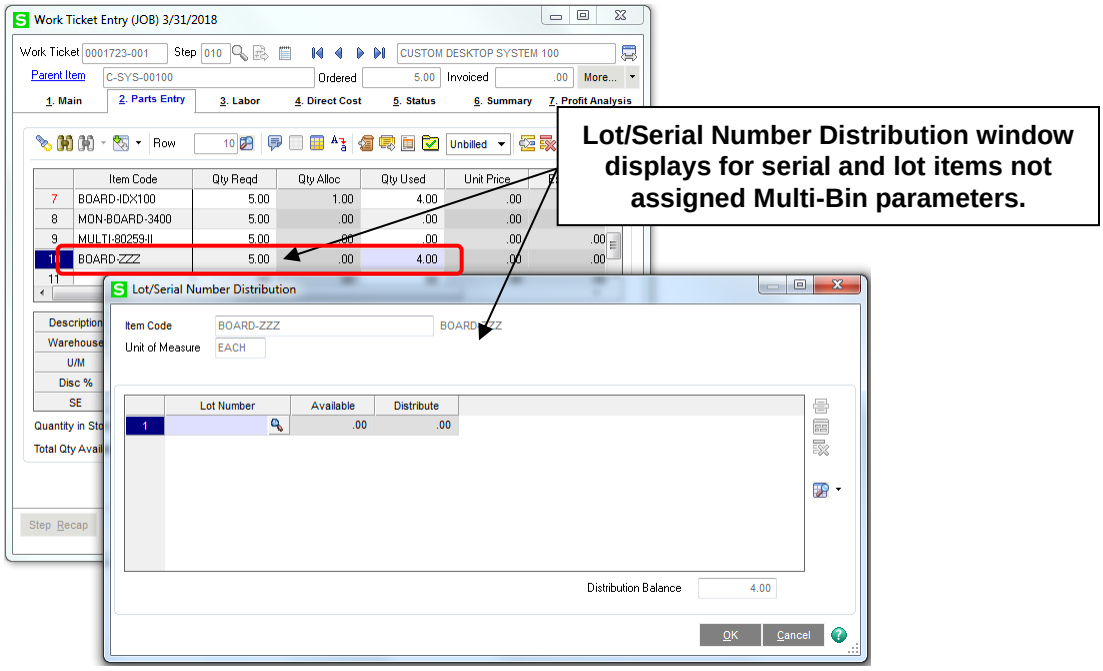


Lot/Serial Number Distribution Window

The Lot/Serial Number Distribution window displays when:

- The Scanco Multi-Bin integration is not activated in Manufacturing Options or
- The Scanco Multi-Bin integration is activated in Manufacturing Options and Scanco Multi-Bin is not enabled for an inventory item that is assigned a serial or lot valuation method.

Enter a value not equal to zero in the Qty Used field and then select the Lot/Serial Number Distribution button or Alt-Y to access the Lot/Serial Number Distribution window.



Distributing Quantities to Work Ticket Parts

A distribution record may be required to be defined for inventory items assigned to work ticket steps. Allocations for inventory items assigned to a work ticket step are not required to be defined prior to assigning distribution records. Distributions with and without allocations and bin locations may be assigned for work ticket parts from the following menu options

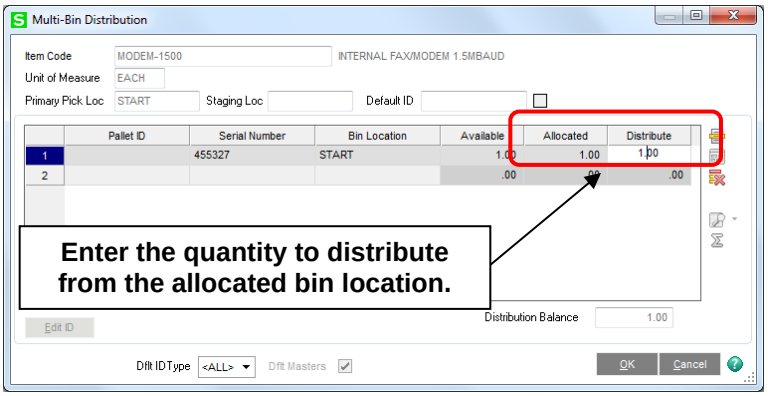
- Work Ticket Entry Parts Entry
- Sales Order Invoice Data Entry
- Shipping Data Entry
- Make To Stock Closing Entry
- Time Tracker Parts Usage
- Service Ticket Billing Entry Parts Usage
- Make To Stock Import
- Data Collector

Distributing Quantities for Multi-Bin Enabled, Allocated Work Ticket Parts

1. Access an inventory item that is assigned a Qty Alloc value greater than zero on the Work Ticket Entry Parts Entry tab.
2. Assign a value greater that zero to the Qty Used field.
3. Select the Multi-Bin Distribution Entry button or Alt-Y.
4. Assign a pallet ID and bin location. A serial or lot number is required when the item's valuation method is serial or lot.

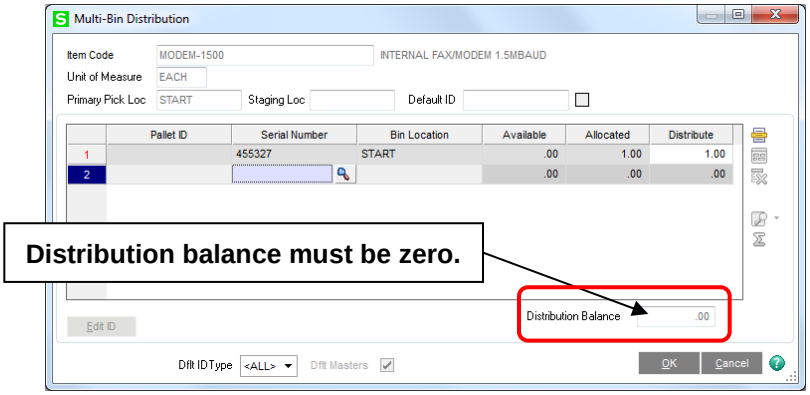
   Note: The Pallet ID field displays when the Enable Lic Plate and Pallet Management parameter is selected in Multi-Bin and WMS Company Options.

5. Enter the quantity value to distribute from the bin location in the Distribute field.



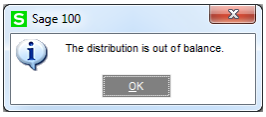
Note: All allocated quantities are not required to be used/distributed. Undistributed allocations are removed from the work ticket and made available in inventory when all allocated quantities are not shipped on a final invoice. Refer to the Invoicing and Shipping Work Tickets section on page 43 and Updated Work Ticket Invoices section on page 58 for more information.

6. Repeat steps 4 and 5 until the Distribute Balance is zero.

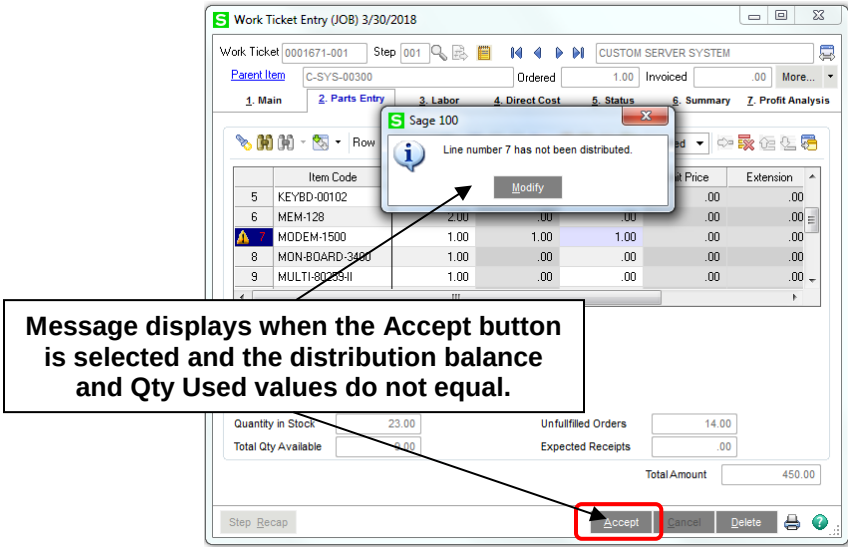


7. Select the OK button.

Note: The distribution balance must equal zero in order to save a work ticket step. The following message displays when the OK button is selected from the Multi-Bin Distribution window when the Distribution balance does not equal zero.

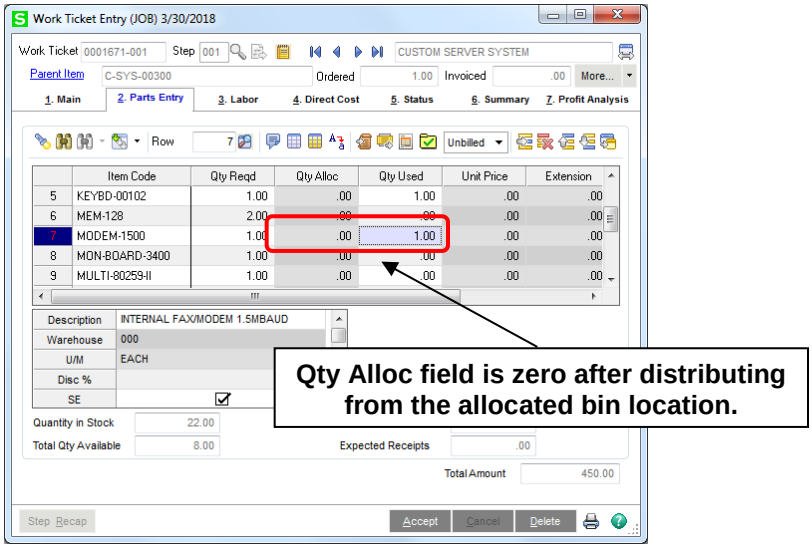


The following message displays when the distribution balance does not equal zero and the Accept button is selected from the Work Ticket Entry window.



Correct the distribute quantity in the Multi-Bin Distribution window or the quantity used value on the Parts Entry tab in order to save the work ticket step.

8. Review the values assigned to the Qty Alloc and Qty Used fields.

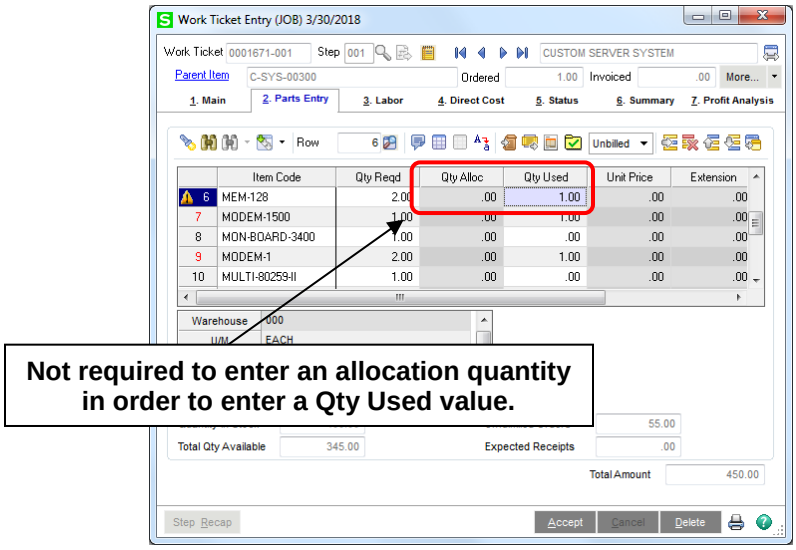


9. Select Accept to save the work ticket step.

Distributing Quantities for Multi-Bin Enabled Work Ticket Parts that are Not Allocated

1. Access the Work Ticket Entry Parts Entry tab.
2. Assign an inventory item that has quantities on hand in bin locations.
3. Enter a value greater than zero in the Qty Reqd field.
4. Assign a value greater that zero to the Qty Used field.

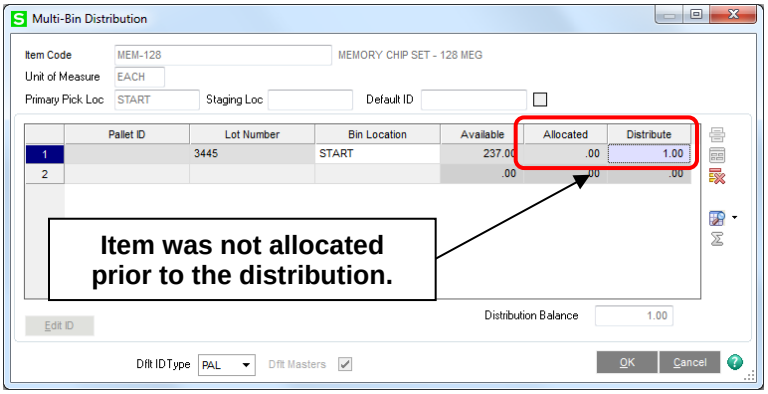
Note: Distribution records are also required when a value less than zero is entered in the Qty Used field and Multi-Bin is enabled for the inventory item.



5. Tab to the next field.
6. Select the Multi-Bin Distribution Entry button or Alt-Y.
7. Assign a pallet ID and bin location. A serial or lot number is required when the item's valuation method is serial or lot.

Note: The Pallet ID field displays when the Enable Lic Plate and Pallet Management parameter is selected in Multi-Bin and WMS Company Options.

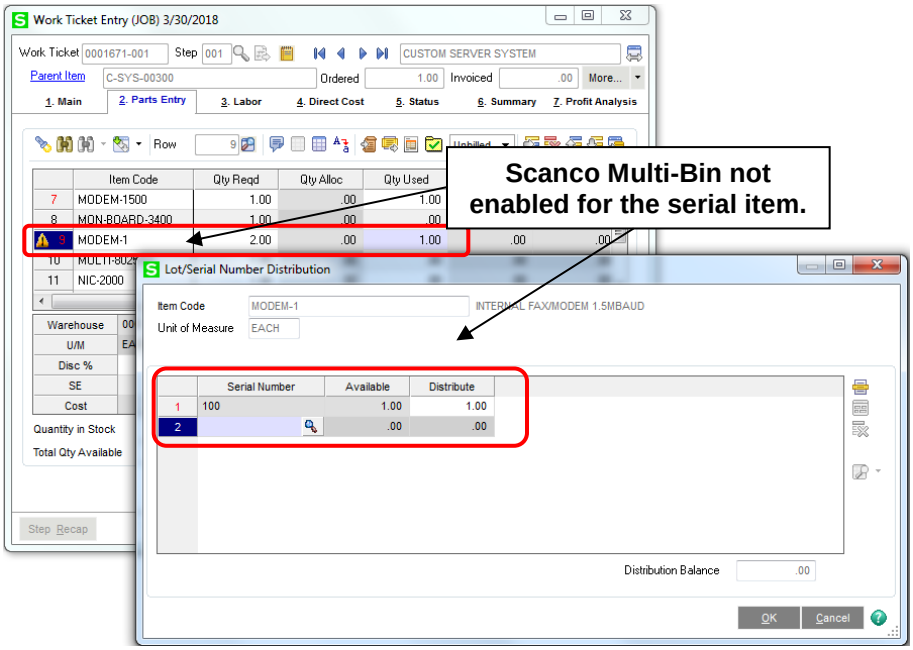
8. Enter the distributed quantity value in the Distribute field.



9. Repeat steps 5 and 6, if necessary, until the Distribution Balance is zero.
10. Select the OK button.
11. Select the Accept button.

Distributing Quantities for Work Ticket Parts Not Assigned Multi-Bin Functionality

1. Access the Work Ticket Entry Parts Entry tab.
2. Assign an inventory item that is assigned a lot or serial valuation method and not assigned Scanco Multi-Bin functionality.
3. Assign a value greater than zero the Qty Reqd field.
4. Assign a value greater that zero to the Qty Used field.
5. Tab to the next field.
6. Select the Lot/Serial Number Distribution button or Alt-Y.
7. Assign a serial or lot number.
8. Enter the distributed quantity value in the Distribute field.

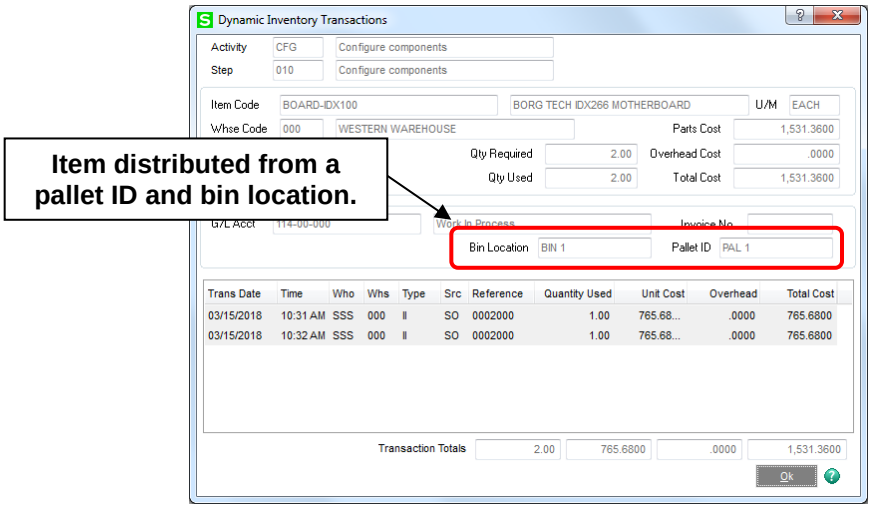


9. Repeat steps 4 and 5 until the Distribute Balance is zero.
10. Select the OK button.
11. Select the Accept button to save the changes made to the work ticket step.

Dynamic Inventory Window

A Bin Location and Pallet ID field display on the Dynamic Inventory window. These fields populate under the following conditions.

- The Scanco Multi-Bin integration is activated in Manufacturing Options,
- Scanco Multi-Bin functionality is enabled for an inventory item code assigned a FIFO, LIFO, average, standard, lot or serial valuation method,
- A value not equal to zero is entered in the Qty Used field, and
- A distribution record is entered in the Multi-Bin Distribution window.

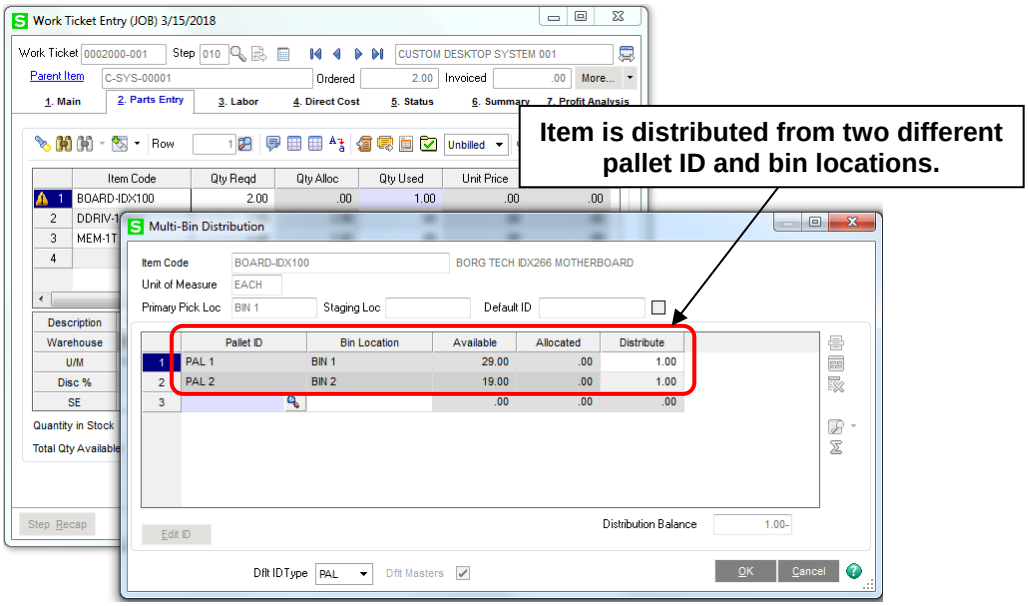


De-Issuing Previously Allocated Work Ticket Parts

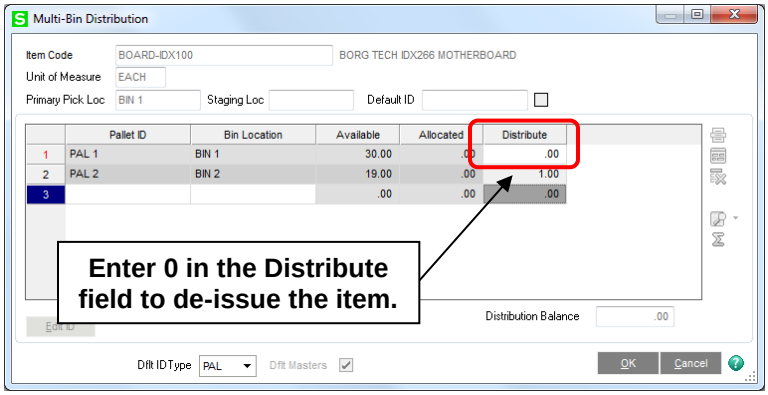
Allocated quantities are re-assigned when a work ticket part, that was allocated prior to assigning a distribution quantity, is de-issued.

How to De-Issue Previously Allocated Work Ticket Parts

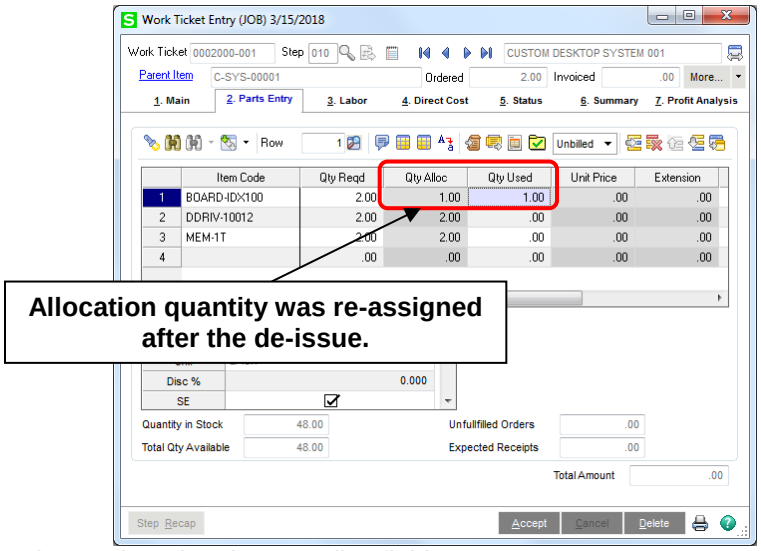
1. Access the Work Ticket Entry Parts Entry tab.
2. Access an item that is assigned a value greater that zero in the Qty Used field and was previously allocated.
3. Select the Multi-Bin Distribution button.



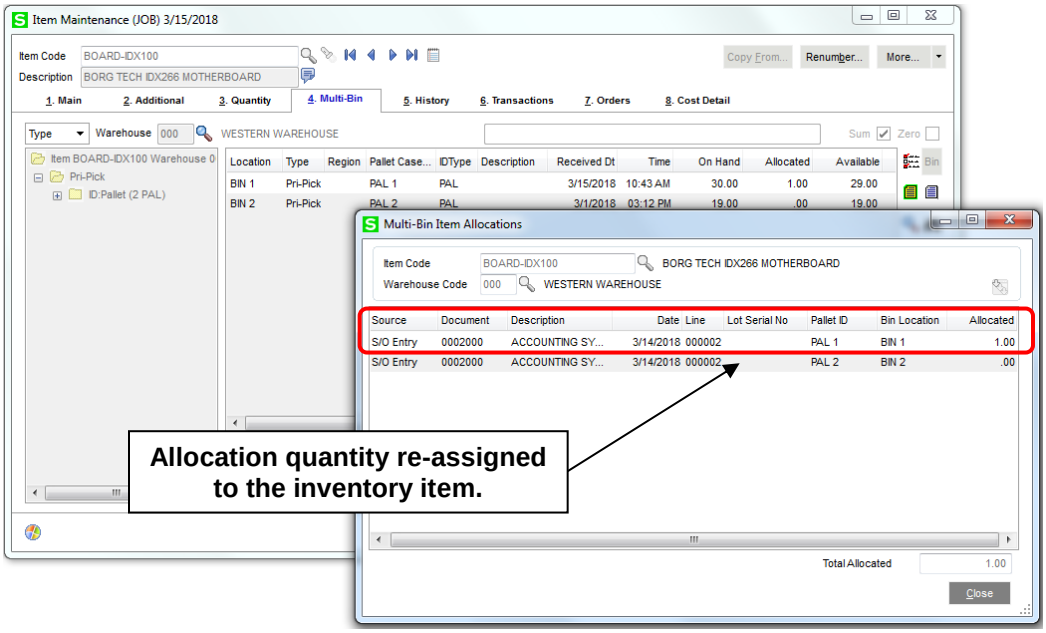
4. Reduce the Distribute quantity or select a distribution record and select the Delete Row button.



5. Select the OK button in the Multi-Bin Distribution window.
6. Select OK in the *The distribution is out of balance.* message.
7. Reduce the value or enter zero in the Qty Used field.



8. Review the value assigned to the Qty Alloc field.
9. Select the Accept button.
10. Review the Multi-Bin tab in Item Maintenance.

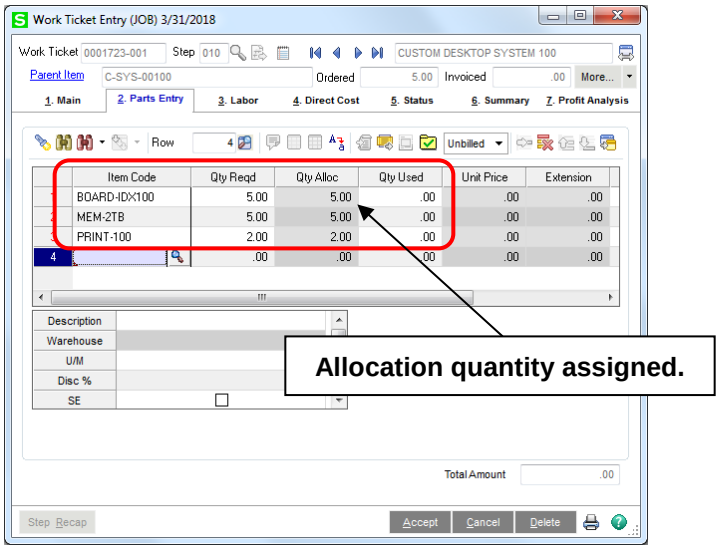


Time Tracker and Service Ticket Billing Entry Parts Usage

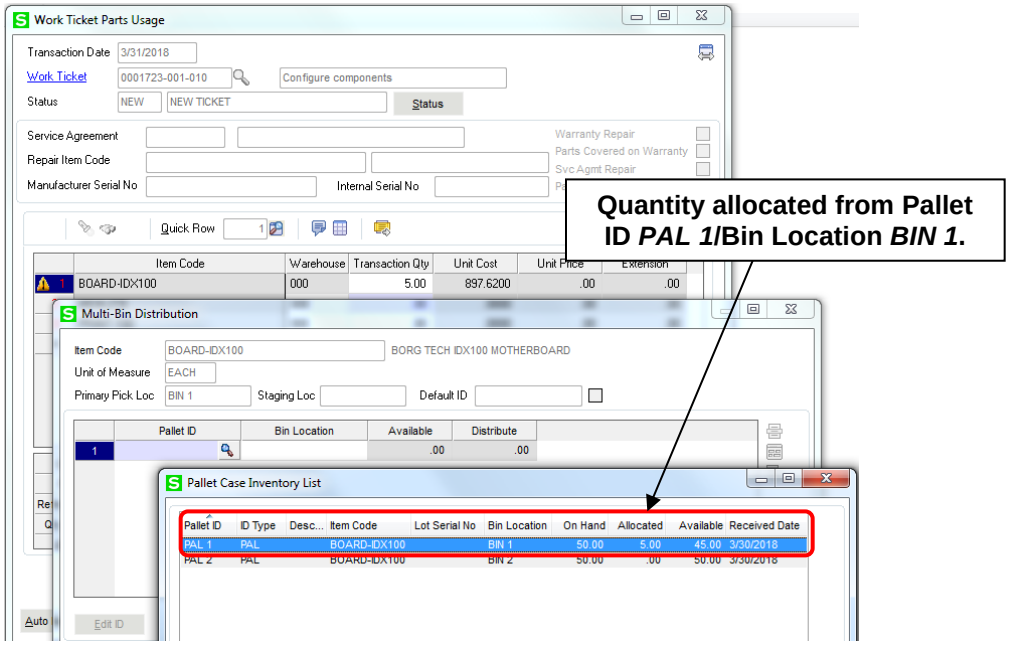
Distributions for work ticket parts with and without allocations may be recorded from Time Tracker Parts Usage and Service Ticket Billing Entry Parts Usage.

How to Distribute an Allocated Work Ticket Part from Time Tracker

1. Assign an inventory item with quantities on hand in bin locations.

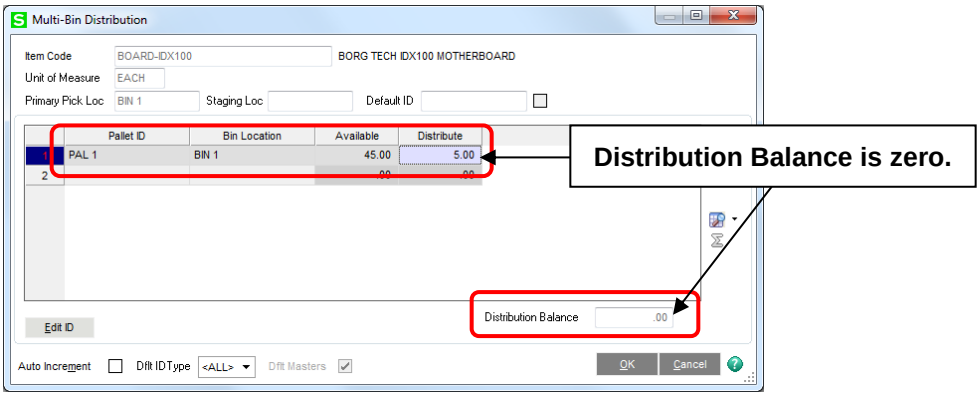


2. Access Time Tracker Parts Usage.
3. Enter the work ticket and step number.
4. Enter the quantity used value in the Transaction Qty field.
5. Select the Multi-Bin Distribution button.

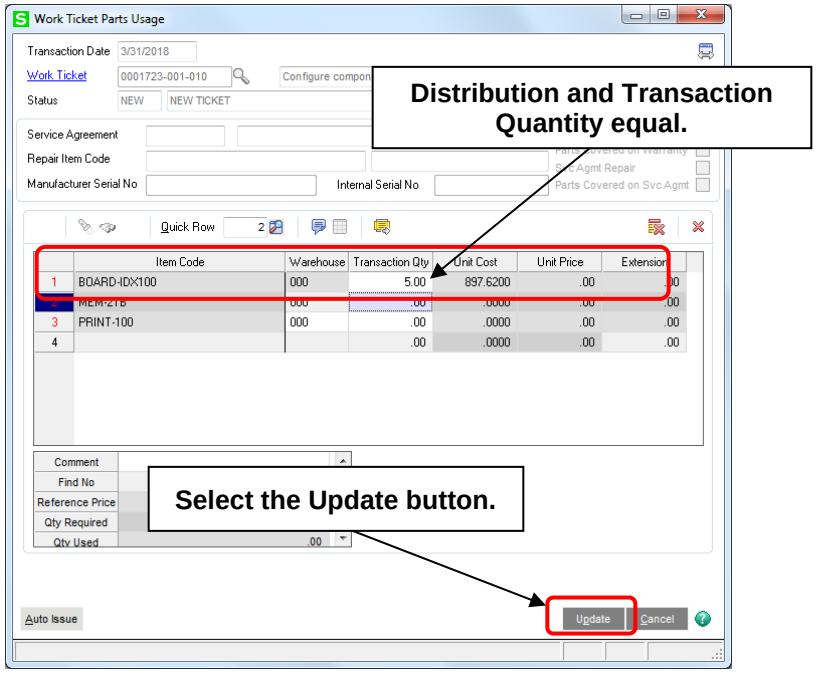


6. Assign the allocated pallet ID and bin location. A serial or lot number is required for inventory items assigned a serial or lot valuation method.
7. Enter the distribution quantity in the Distribute field.

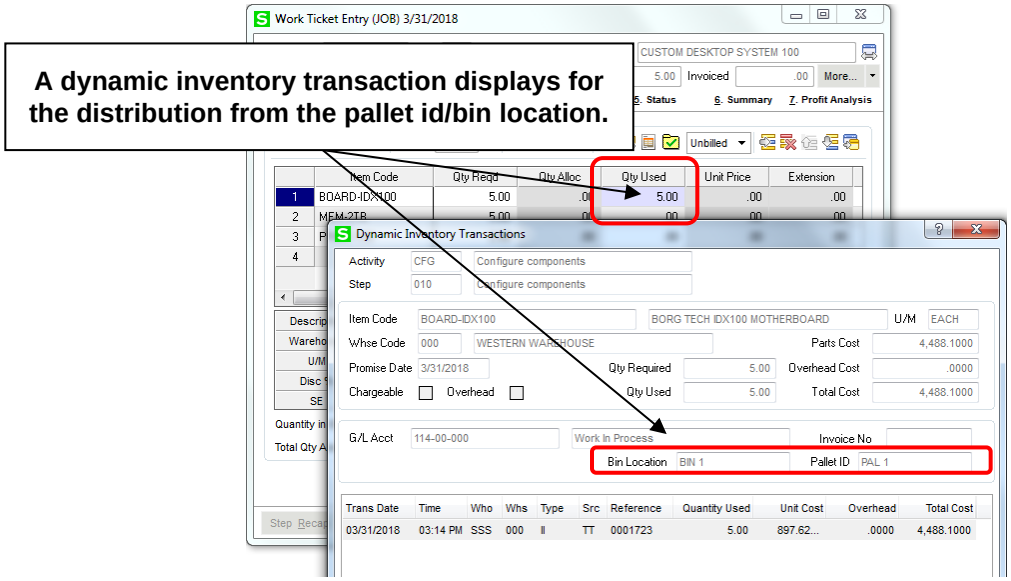
8. Repeat steps 6 and 7 until the Distribute Balance is zero.



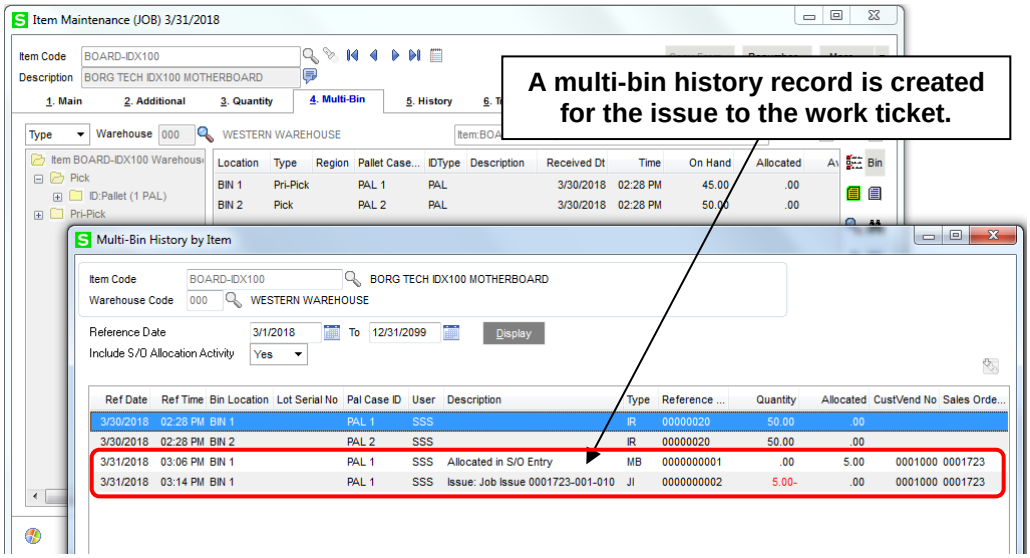
9. Select the OK button
10. Select the Update button.



11. Review the work ticket part on the Work Ticket Entry Parts Entry tab.

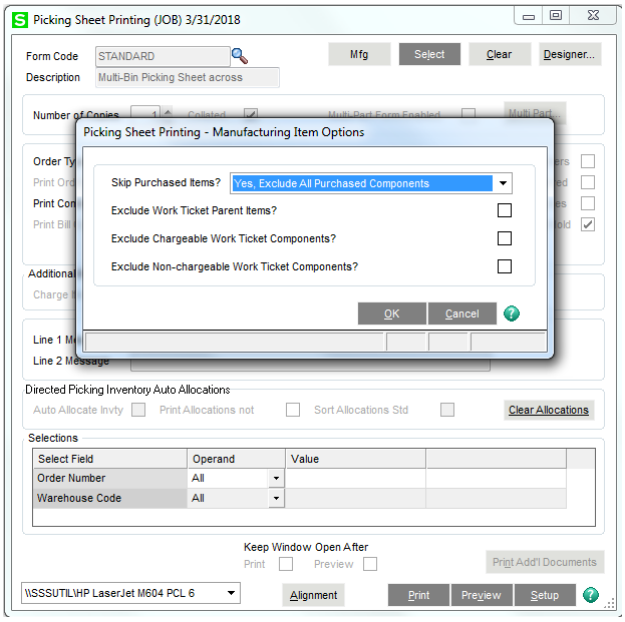


12. Review the Multi-Bin History by Item window in Item Maintenance.



Picking Sheet Printing

Picking Sheet Printing functions according to Scanco Multi-Bin functionality when specified from the Picking Sheet Printing task window or the quick print option in Sales Order Entry. The JobOps/Sage 100cloud Manufacturing Picking Sheet Printing parameters apply when specified in the Picking Sheet Printing-Manufacturing Item Options window.



The Multi-Bin auto allocation from picking sheet print may occur according to Multi-Bin functionality and parameter settings. Refer to the Scanco Multi-Bin Quick Start Guide and Documentation Manual for more information on picking sheet auto allocations.

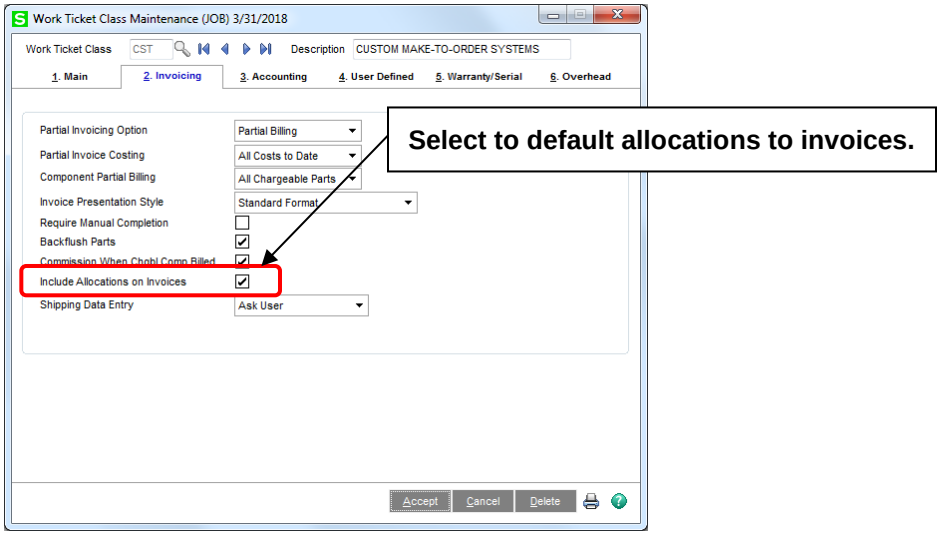
Invoicing and Shipping Work Tickets

The value that defaults to the Shipped field in Sales Order Invoice Data Entry and Shipping Data Entry depend on the following information.

- The Qty Used value assigned to a work ticket part.
- Allocated quantities not yet distributed to work ticket parts prior to creating an invoice.
- The setting of the Include Allocations in Invoices parameter in Work Ticket Class Maintenance.
- The setting of the Auto Inventory Allocation on the fly parameter in Multi-Bin and WMS Company Options
- The setting of the Finished Goods Allocation Option Auto Assign Finished Good to parameter in Multi-Bin and WMS Company Options.

Include Allocations on Invoices Parameter

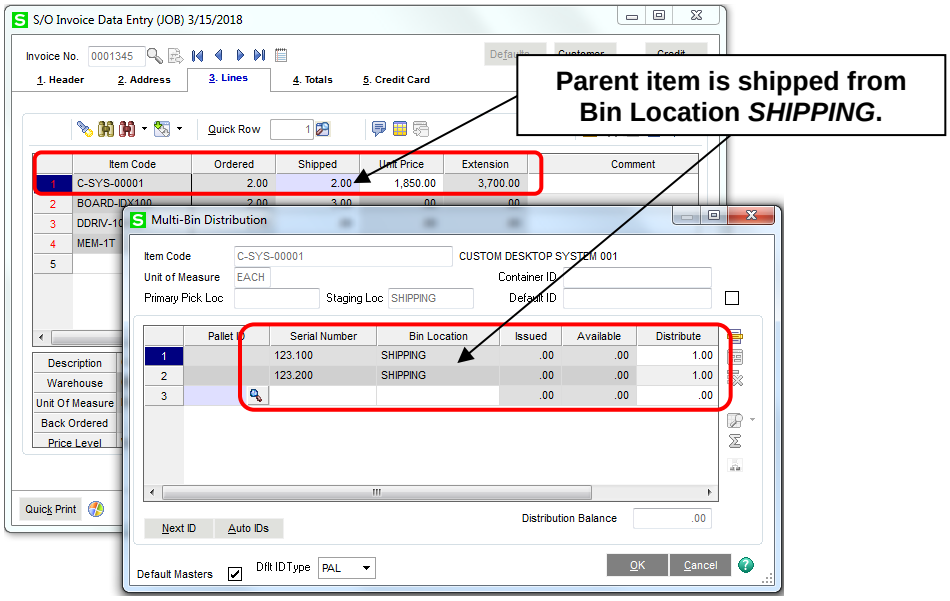
Quantities allocated to work ticket parts default to the Shipped field for partial and final invoices based on the Include Allocations on Invoices parameter setting. Access the Invoicing tab in Work Ticket Class Maintenance to review or modify the parameter setting.



Select the check box field to default allocations to partial and final invoices created for work tickets. Clear the check box field to not default allocations to partial and final invoices created for work tickets. Review the Updating Work Ticket Invoices section on page 58 to discover how allocations that are not shipped are handled after an invoice is updated.

Shipping Work Ticket Parents

When Scanco Multi-Bin parameters are enabled for a work ticket parent item, distribution records for a bin location are required to be defined in an invoice when the work ticket parent item is shipped. A serial or lot number is also required when a serial or lot valuation method is assigned to the parent item code. A distribution record may be automatically assigned to a parent item shipped on a final invoice based on the setting of the Auto Inventory Allocation on the fly and Finished Goods Allocation Option Auto Assign Finished Good to parameters in Multi-Bin and WMS Company Options. Refer to the page 53 for more information on auto inventory allocations for parent items.



Note: The Pallet ID field displays when the Enable Lic Plate and Pallet Management parameter is selected in Multi-Bin and WMS Company Options.

Shipping Work Ticket Parts

A distribution record may default to the Multi-Bin Distribution window when creating a partial or final invoice for a work ticket. A distribution record must be assigned in the Multi-Bin Distribution window under the following conditions.

- A value greater than zero is entered in the Shipped field and
- A distribution record does not exists for an inventory item that is assigned Scanco Multi-Bin settings or
- A distribution record is not automatically created by the Scanco Multi-Bin auto allocation feature when the invoice is created.

A distribution record must be assigned in the Lot/Serial Number Distribution window under the following conditions.

- A value greater than zero is entered in the Shipped field,
- The inventory item is assigned a valuation method of lot or serial,
- A distribution record does not default to the invoice, and
- The Scanco Multi-Bin integration is not activated in Manufacturing Options or
- The Scanco Multi-Bin functionality is not enabled for an inventory item code.

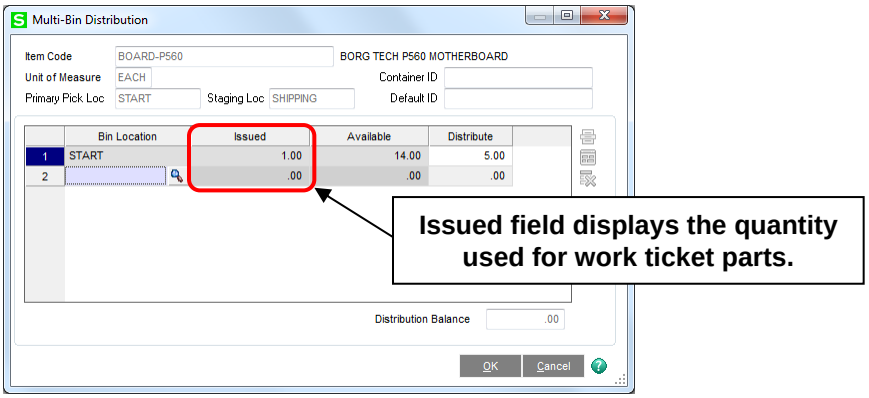
A distribution record defaults to an invoice under the following conditions.

- A used quantity and a distribution record were assigned to a work ticket part prior to creating the invoice.
- An allocation quantity and record were assigned to a work ticket part prior to creating the invoice and the Include Allocations on Invoices parameter is set to *Yes*.
- An allocation record is automatically created by the Scanco Multi-Bin auto allocations in invoicing feature. The auto allocations in invoicing feature may be applied to work ticket parents and parts. Refer to the Scanco Multi-Bin Quick Start Guide and Documentation Manual for more information on how to activate auto allocations in invoicing. Refer page 53 to review the parameter settings to activate auto allocators for work ticket parents and parts.

Tip: Use the auto allocation in invoicing feature to quickly allocate items based on Scanco Multi-Bin information when allocations are not assigned to work ticket parts prior to creating invoices. When allocations are assigned to work ticket parts prior to the creation of an invoice, the auto allocation in invoicing feature does not apply. Refer to the Scanco Multi-Bin Quick Start Guide and Documentation Manual for more information on how to activate auto allocations in invoicing.

Multi-Bin Distribution Window

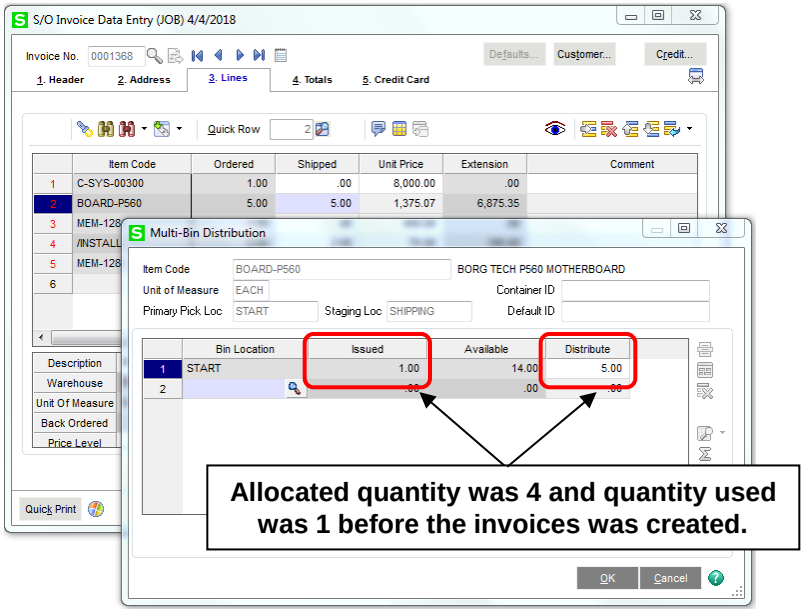
An Issued field displays in the Multi-Bin Distribution window when Scanco Multi-Bin is activated in Manufacturing Options.



Issued field

The Issued field displays used quantities that were recorded for a work ticket part prior to creating the invoice. Issued quantities can optionally be shipped on a partial invoice but must be shipped on a final invoice. Issued quantities are defined as quantities of a work ticket part that were recorded as used on the work ticket. When a used quantity value is recorded, the dynamic inventory feature immediately removes the quantities from inventory and assigns the quantities to the work ticket.

Use the value in the Issued field to make adjustments to the shipped value and distribution records in partial and final invoices. When the Include Allocations on Invoices parameter is selected, the difference between the defaulting value in the Distribute field and the value in the Issued field is the allocated quantity that was assigned to the work ticket part prior to the invoice creation.



Note: The Issued field does not apply to work ticket parent items.

Invoicing with Allocations

When the quantity allocated assigned to a work ticket part does not equal zero, the Include Allocations in Invoices parameter in Work Ticket Class Maintenance may affect the value that defaults to the Shipped field when an invoice, make to stock closing document or shipping document is created for a work ticket.

Note: The Invoice Allocations on Invoices parameter applies to partial and final invoices created from Sales Order Invoice Data Entry, Shipping Data Entry, Make to Stock Closing Entry and Make To Stock Import.

Include Allocations in Partial Invoices Set to Yes

When the Include Allocations in Partial Invoices parameter is set to *Yes*, all allocation quantities default to the Shipped field and allocation records default to the Multi-Bin Distribution window.

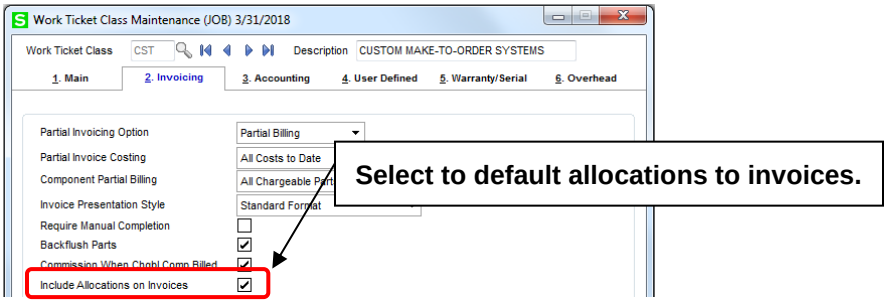
Warning: When Include Allocations in Partial Invoices parameter is set to *Yes*, the shipping quantity may default with a value greater than the used quantity when a partial or final invoice is created.

The following occurs when allocations exist and the Include Allocations in Partial Invoices parameter is set to *Yes*.

- When *All Chargeable Parts* is assigned to the Partial Invoice Costing parameter in Work Ticket Class Maintenance, a work ticket part is chargeable and a partial invoice is created, the Qty Used value plus the Qty Alloc value default to the Shipped field, along with the corresponding allocation and distribution records.
- When a final invoice is created and the Qty Used value is greater than zero, the Qty Used value plus the Qty Alloc value default to the Shipped field, along with the corresponding allocation and distribution records.
- When a final invoice is created and the Qty Used value is zero, the Qty Reqd value defaults to the Shipped field when the Backlashing Parts parameter in Work Ticket Class Maintenance is selected.
- When a final invoice is created and the Qty Used value is zero and the Qty Alloc is greater than zero, the Qty Alloc value defaults to the Shipped field when the Backlashing Parts parameter in Work Ticket Class Maintenance is not selected.
- When a negative value is assigned as the Qty Reqd and/or Qty Used values, distribution records cannot be added or modified from the invoice. Access the Work Ticket Entry Parts Entry tab to assign distribution records when the Qty Used value is less than zero.

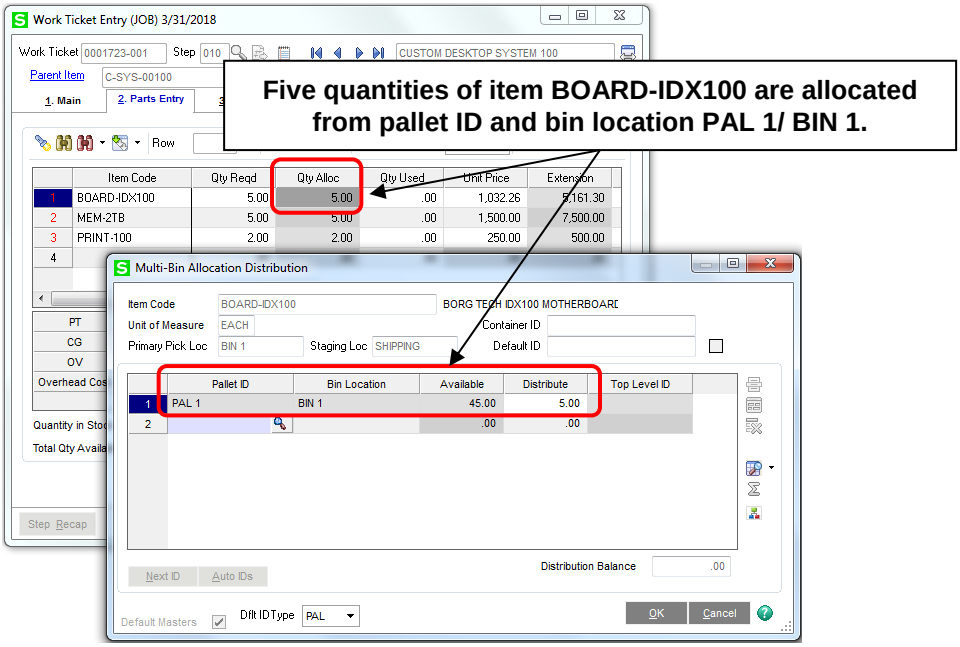
Creating an Invoice when Include Allocations on Invoices is set to Yes

1. Access the Invoicing tab in Work Ticket Class Maintenance.
2. Set the Include Allocations on Invoices check box field to checked.

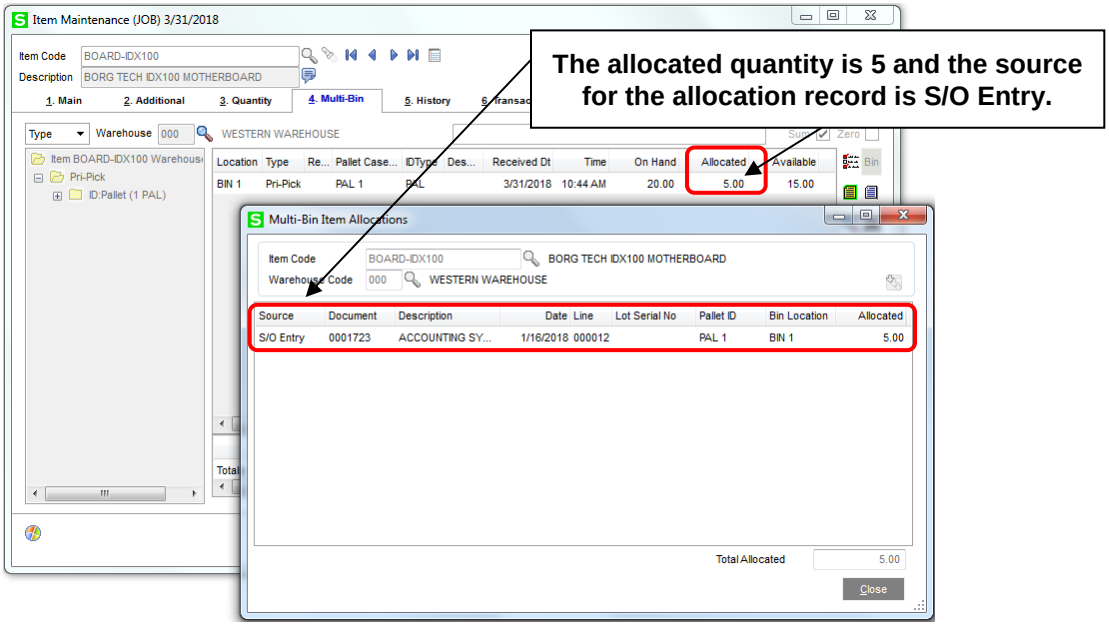


3. Save the work ticket class.
4. Create a work ticket using the work ticket class.
5. Assign inventory items with quantities on hand in bin locations to a work ticket step.
6. Enter a value greater than zero in the Qty Reqd field.

7. Allocate a value greater than zero from a bin location.

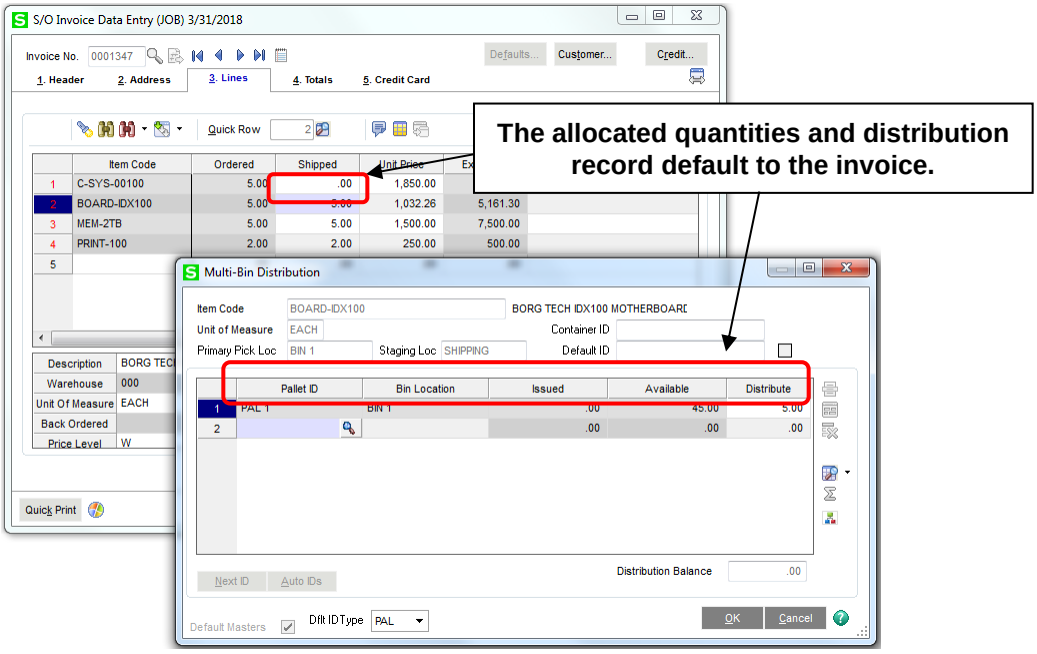


8. Save and close the work ticket.
9. Review the item in Item Maintenance.



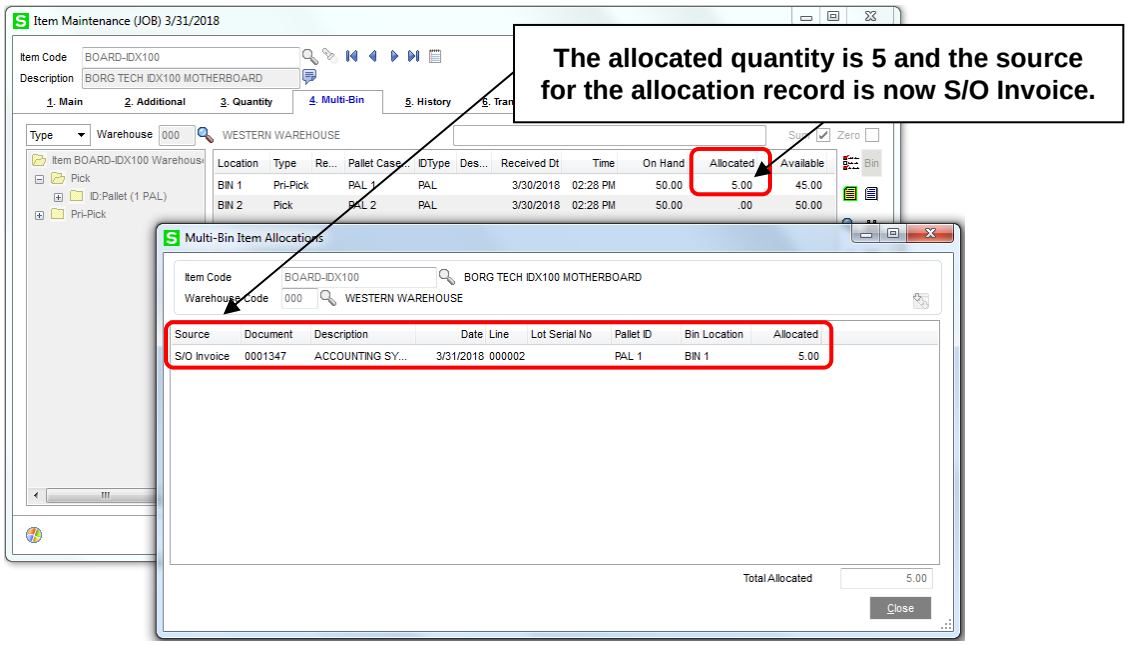
An allocation record with the source *S/O Entry* displays in the Multi-Bin Item Allocations window.

10. Create a partial or final invoice.
11. Review the Shipped value on the Sales Order Invoice Data Entry Lines tab.
12. Review the defaulting distribution records in the Multi-Bin Distribution window.



The Shipped field is assigned the allocated quantity value. The Multi-Bin Distribution window displays the pallet ID and bin location the item was allocated from prior to creating the invoice.

13. Select the OK button to close the Multi-Bin Distribution window.
14. Select the Accept button to save the invoice.
15. Review the item in Item Maintenance.



An allocation record with the source *S/O Invoice* displays in the Multi-Bin Item Allocations window.

Include Allocations in Invoices Set to No

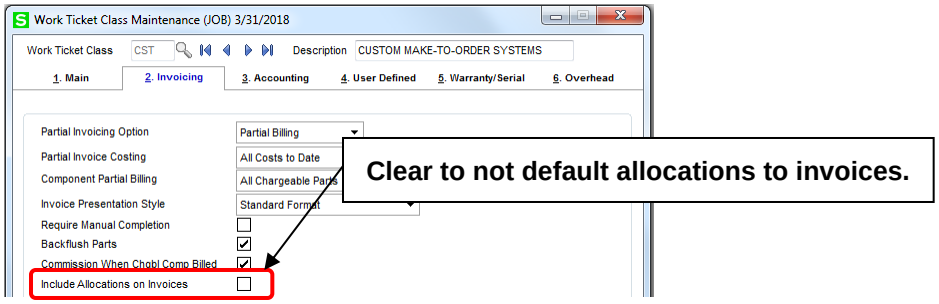
When the Include Allocations in Partial Invoices parameter is set to *No*, allocation quantities and records remain assigned to the work ticket part when a partial invoice is created. Allocations are automatically removed from work ticket part and are not backflushed when a final invoice is created.

The value assigned to the Shipped field in invoices follows standard JobOps/Sage 100cloud Manufacturing rules when the Include Allocations in Partial Invoices parameter is set to No. The following occurs when allocations exist or do not exist and the Include Allocations in Partial Invoices parameter is set to No.

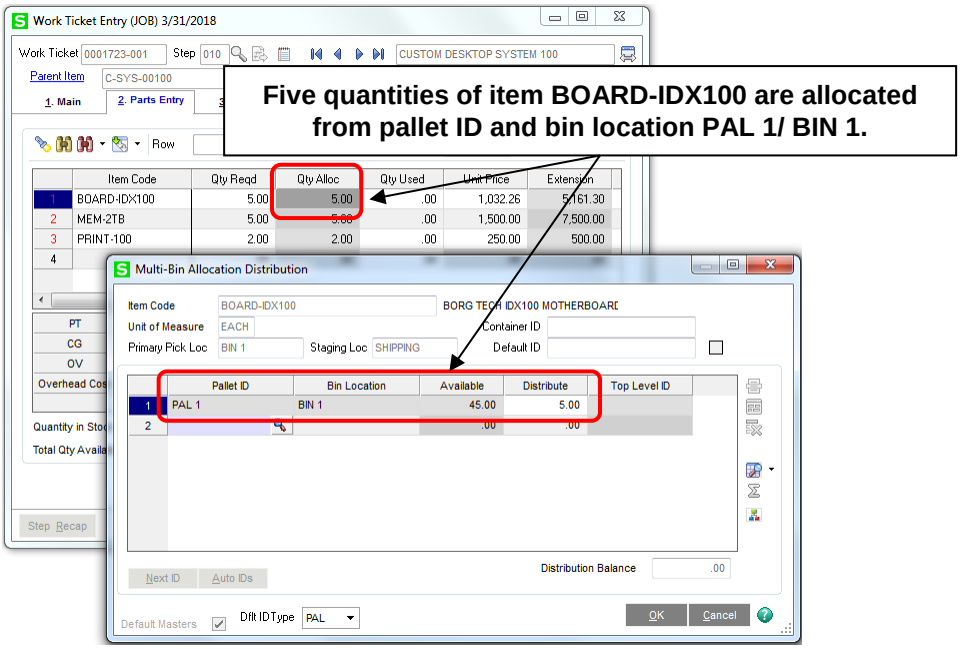
- When *All Chargeable Parts* is assigned to the Partial Invoice Costing parameter in Work Ticket Class Maintenance, a work ticket part is chargeable and a partial invoice is created, the Qty Used value defaults to the Shipped field, along with corresponding distribution records.
- When a final invoice is created and the Qty Used value is greater than zero, the Qty Used value defaults to the Shipped field, along with the corresponding distribution records.
- When a final invoice is created and the Qty Used value is zero, the Qty Reqd value defaults to the Shipped field when the Backlashing Parts parameter in Work Ticket Class Maintenance is selected.
- When a final invoice is created and the Qty Used value is zero, zero defaults to the Shipped field when the Backlashing Parts parameter in Work Ticket Class Maintenance is not selected.

Creating an Invoice with Allocated Parts and the Include Allocations in Invoices Parameter set to No

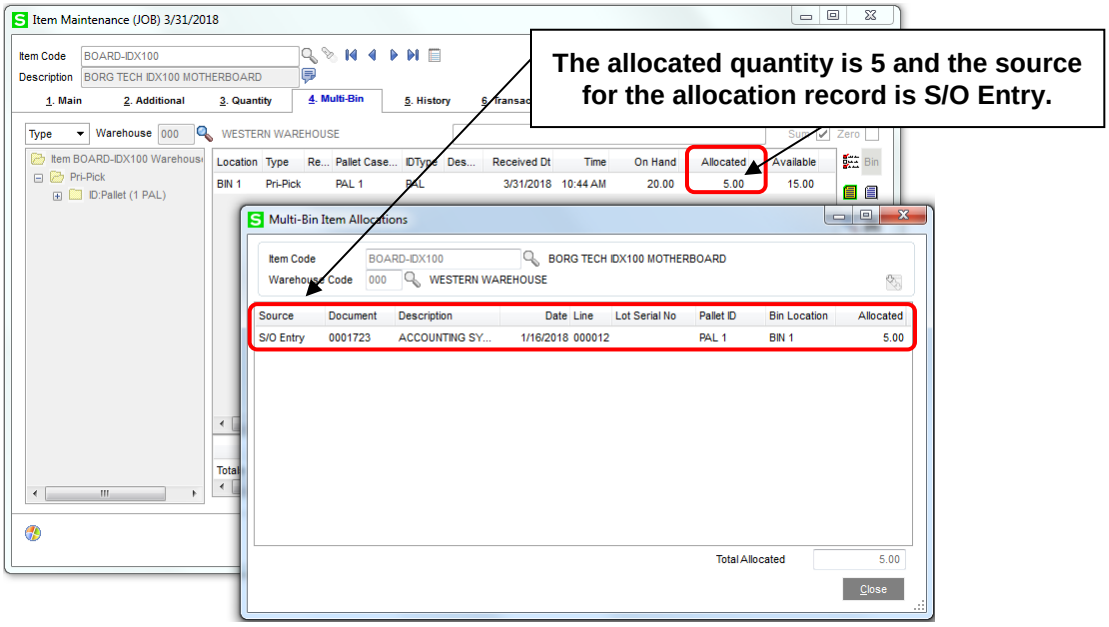
1. Access the Invoicing tab in Work Ticket Class Maintenance.
2. Clear the Include Allocations on Invoices check box field.



3. Save the work ticket class.
4. Create a work ticket using the work ticket class.
5. Assign inventory items with quantities on hand in bin locations to a work ticket step.
6. Enter a value greater than zero to the Qty Reqd field.
7. Allocate a value greater than zero from a bin location.

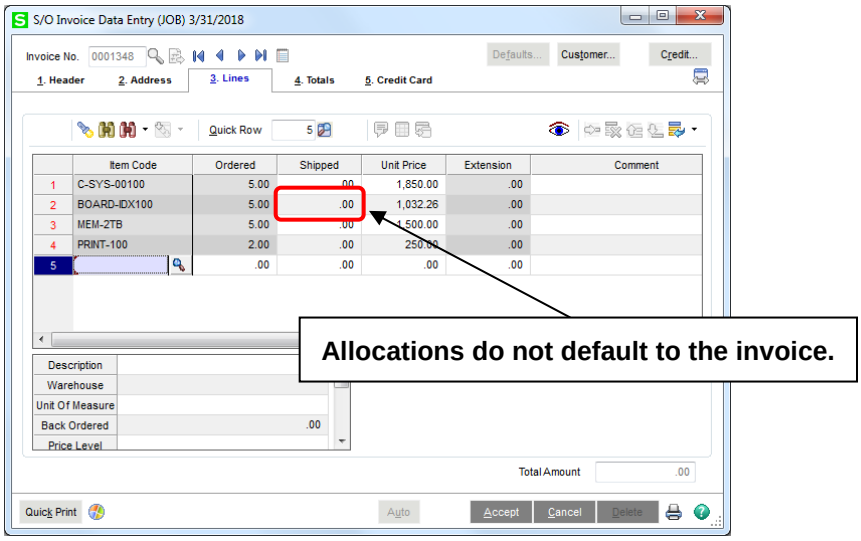


8. Save and close the work ticket.
9. Review the item in Item Maintenance.



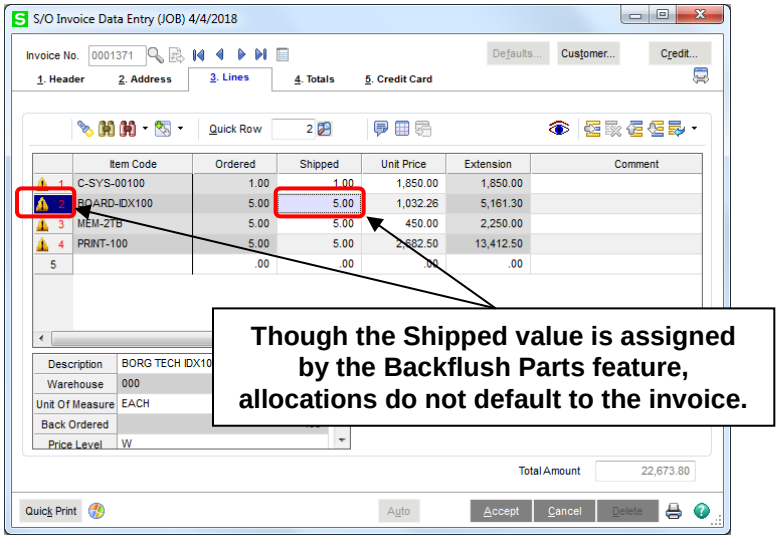
An allocation record with the source *S/O Entry* displays in the Multi-Bin Item Allocations window.

10. Create a partial invoice.
11. Review the Shipped value on the Sales Order Invoice Data Entry Lines tab.

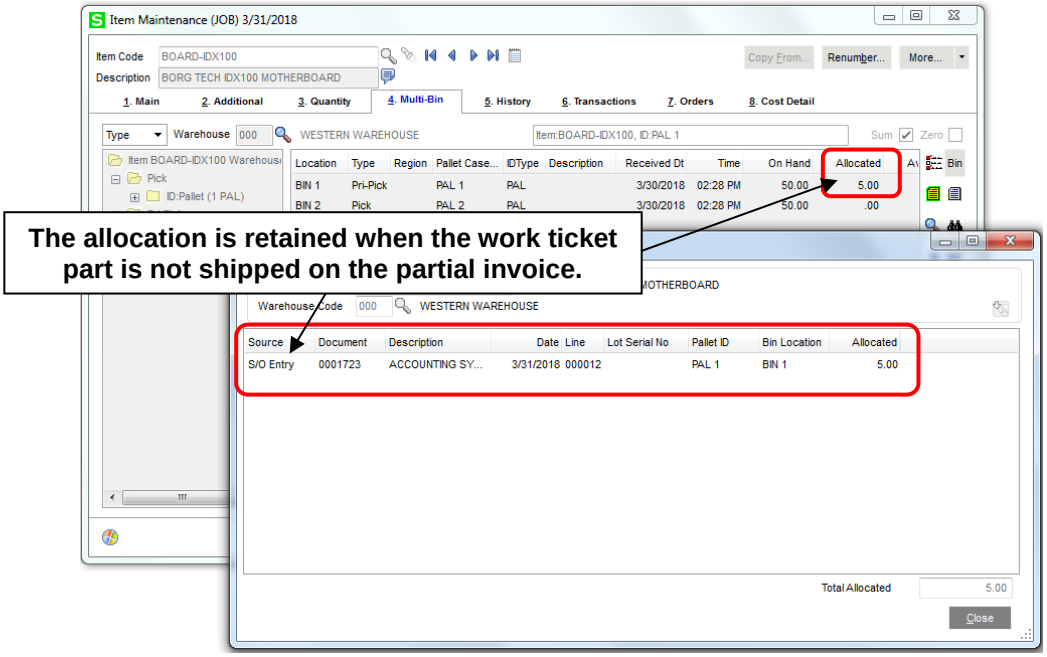


Zero defaults to the Shipped field for the work ticket part when the Include Allocations in Partial Invoices parameter is set to *No* and a partial invoice is created.

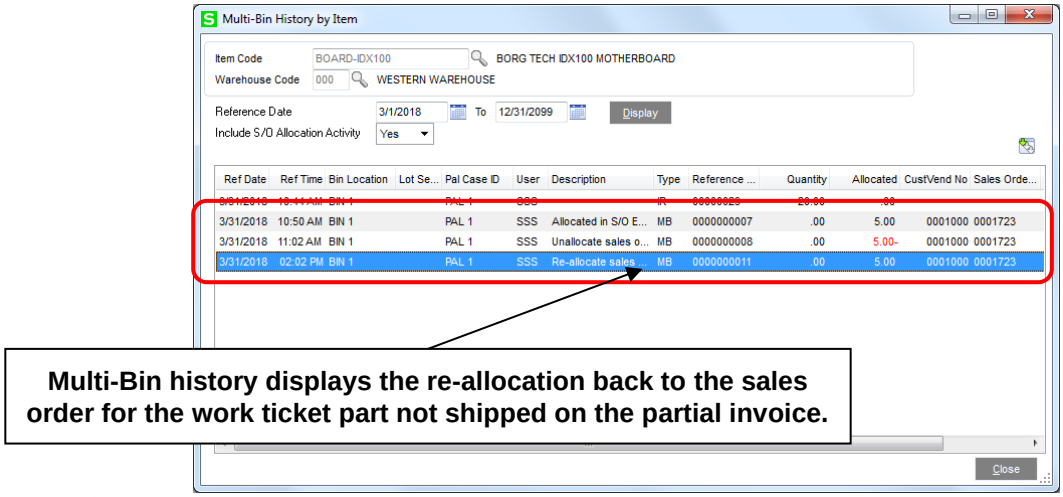
Note: When a final invoice is created and the Backflush Parts parameter is selected for the work ticket class, the Shipped field is assigned the quantity required value when the quantity used value is zero. Allocation records do not default into the final invoice when the Include Allocations on Invoices parameter is not selected. A warning symbol displays for items that require distribution records.



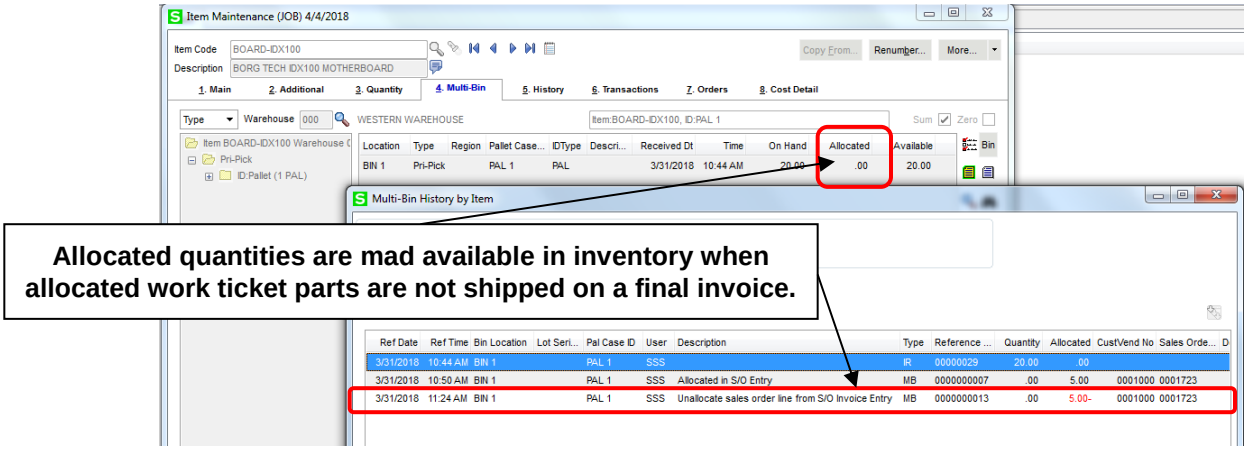
12. Select the Accept button to save the invoice.
13. Review the item in Item Maintenance.



An allocation record with the source *S/O Entry* displays in the Multi-Bin Item Allocations window. Since the item was not shipped on the invoice, the allocation remains assigned to the work ticket part.



Note: When an allocated work ticket part is not shipped on a final invoice, the allocated quantities are removed from the work ticket part and made available in inventory.

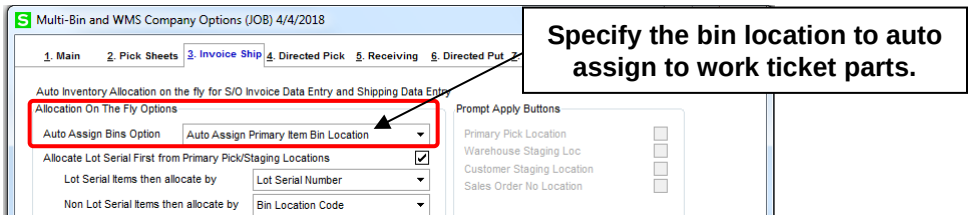


Auto Allocations for Final Invoices

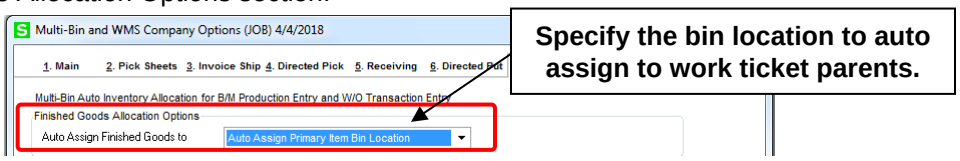
Used the Scanco Multi-Bin auto inventory allocations in invoicing to quickly assign distribution records to work ticket parents and parts that were not allocated and/or used prior to creating a final invoice. Refer to the Scanco Multi-Bin Quick Start Guide and Documentation Manual for more information on how to activate the auto allocations in invoices feature.

Auto Assign Primary Bin to a Final Invoice

1. Access the Invoice Ship tab in Multi-Bin and WMS Company Options.
2. Assign *Auto Assign Primary Item Bin Location* to the Auto Assign Bins Option in the Allocation On the Fly Options section. This parameter setting defines how bin locations are automatically assigned to work ticket parts when a final invoice is created.

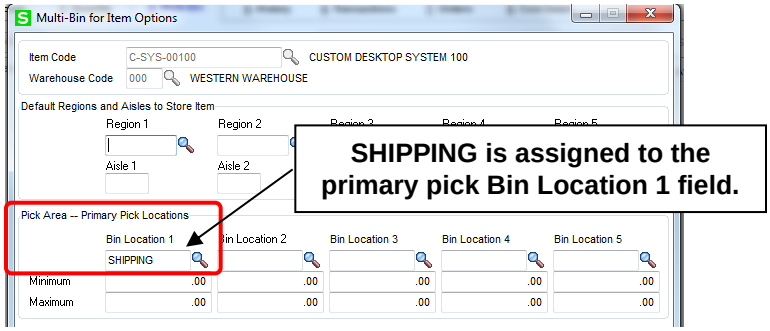


3. Optionally, select the Allocate Lot Serial First from Primary Pick/Staging Locations check box field.
4. Optionally, assign an option to the Lot Serial Items then allocate by and Non Lot Serial Items then allocate by parameters.
5. Access the Manufacturing tab.
6. Assign *Auto Assign Primary Item Bin location* to the Auto Assign Finished Goods to parameter in the Finished Goods Allocation Options section.

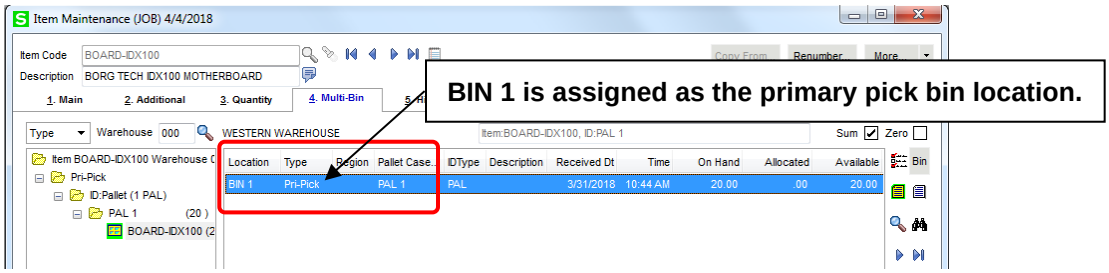


Note: Auto assign inventory allocation settings must be assigned for parent items and work ticket parts in order for allocations to be automatically assigned. When *Auto Assign Primary Item Bin Location* or *Auto Assign Warehouse Staging Location* is assigned to the Auto Assign Finished Goods to parameter, an auto assign option must be assigned to the Auto Assign Bins Option on the Invoice Ship tab in order for bin locations to be automatically assigned to parent items.

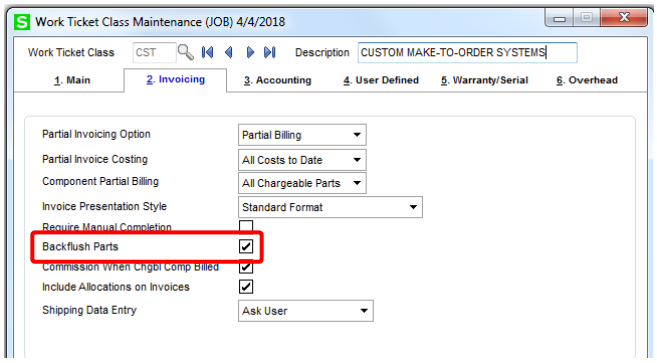
7. Define a primary bin location for the work ticket parent item from Item Maintenance Multi-Bin Item Options. Refer to the Scanco Multi-Bin Quick Start Guide and Documentation Manual for more information on defining primary bins to inventory items.



8. Define a primary bin location to the work ticket part from Item Maintenance Multi-Bin Item Options. Refer to the Scanco Multi-Bin Quick Start Guide and Documentation Manual for more information on defining primary bins to inventory items.

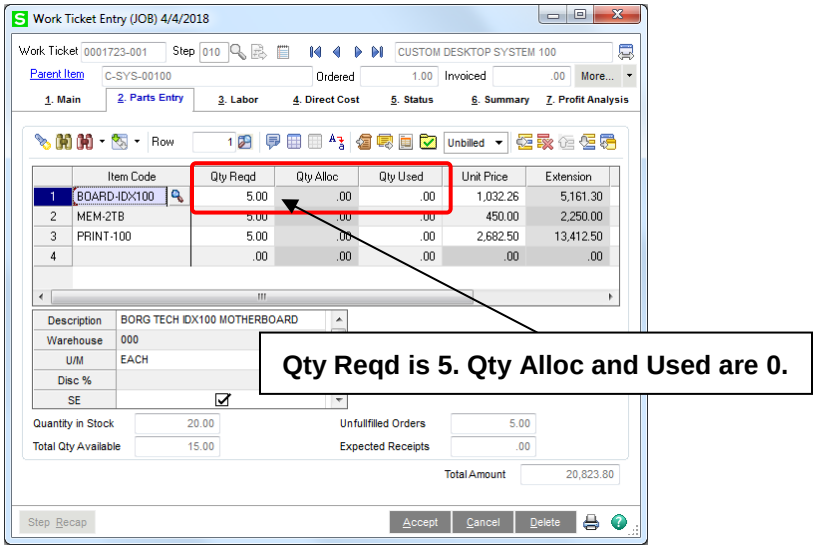


9. Select the Backflush Parts parameter in Work Ticket Class Maintenance.

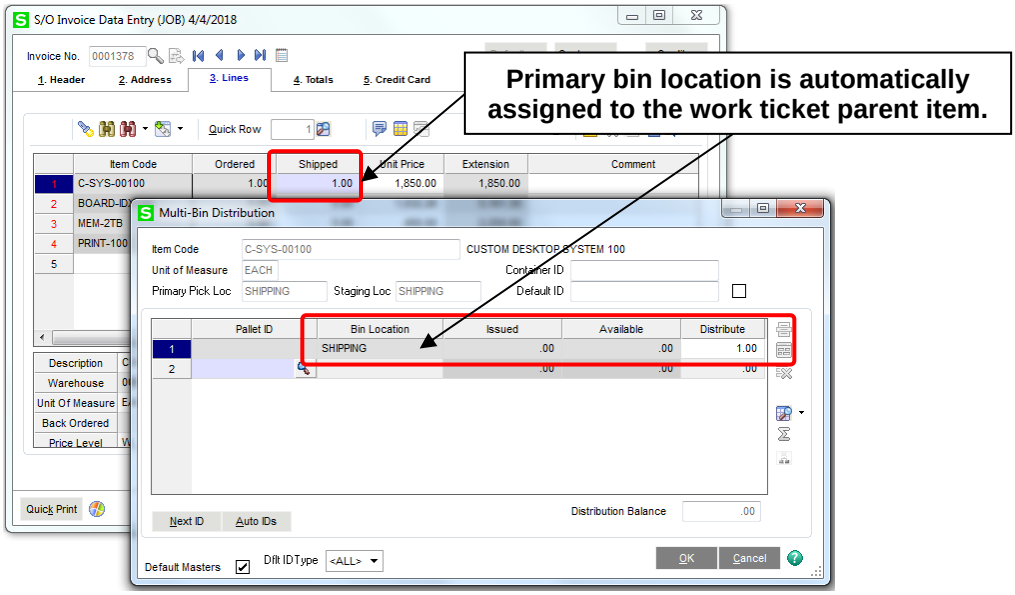


⚠ **Warning:** The Backflush Parts parameter must be activated to auto assign bin location on final invoices. When the Backflush Parts parameter is not selected for the work ticket class assigned to the work ticket, the Shipped value for work ticket parts defaults to zero in a final invoice when the Qty Reqd value is greater than zero and the Qty Alloc and Qty Used values are equal to zero. With this situation, the auto allocate in invoicing feature is not invoked.

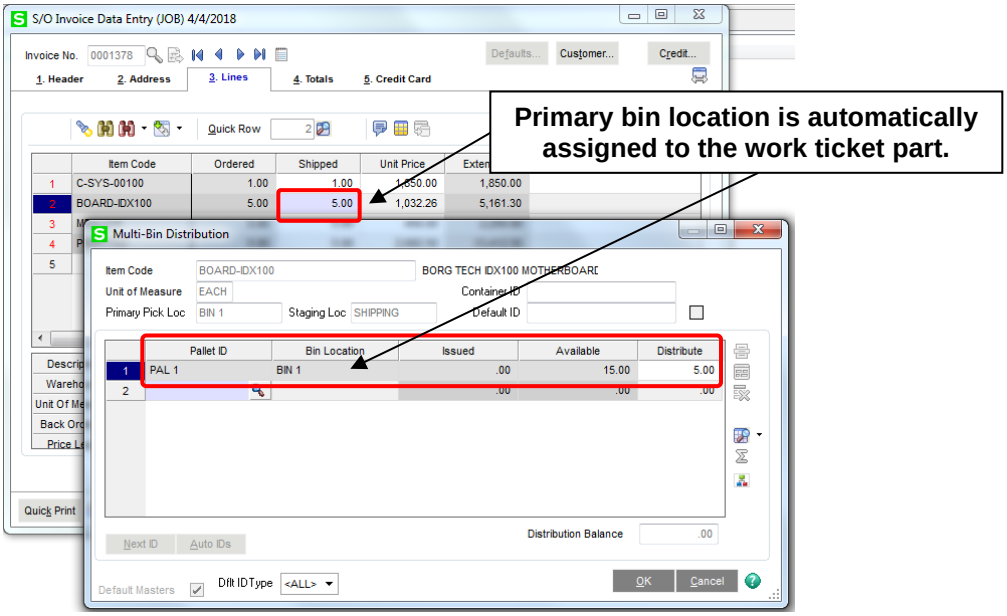
10. Create a work ticket for the work ticket parent with an ordered quantity greater than zero.
11. Access the Work Ticket Entry Parts Entry tab.
12. Assign the inventory item to a work ticket step.
13. Assign a value greater than zero to the Qty Reqd field.



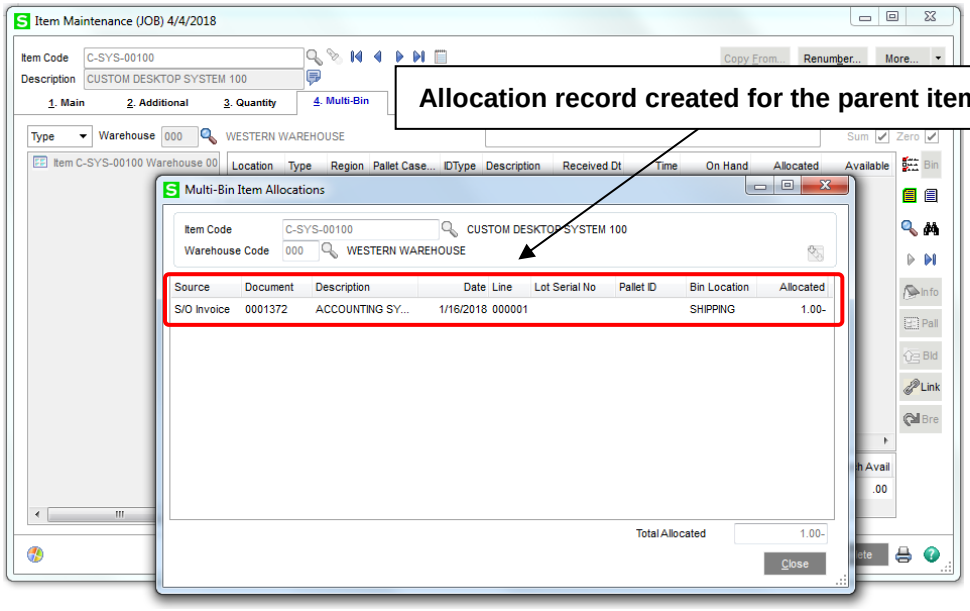
14. Save and close the work ticket and sales order.
15. Create a final invoice from Sales Order Invoice Data Entry.
16. Review the parent item record on the Lines tab.



17. Review the work ticket part record on the Lines tab.

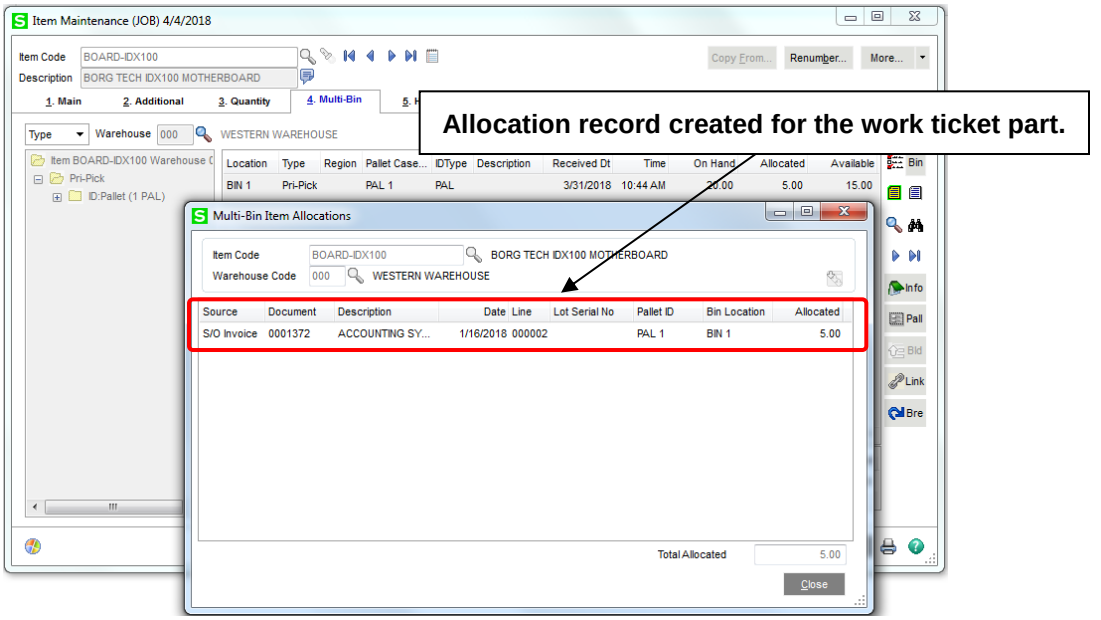


18. Save the invoice.
19. Review the work ticket parent in Item Maintenance.

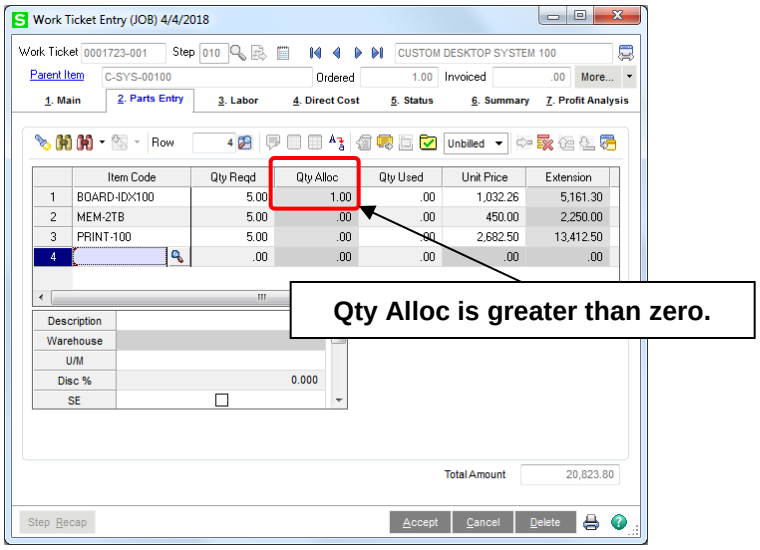


Because parent items are not stored and inventory but made from a make to order work ticket the allocated quantity in the allocation record in the Multi-Bin Item Allocations window is negative. When the invoice is updated the allocated quantity is set to zero based on standard JobOps/Sage 100cloud Manufacturing functionality.

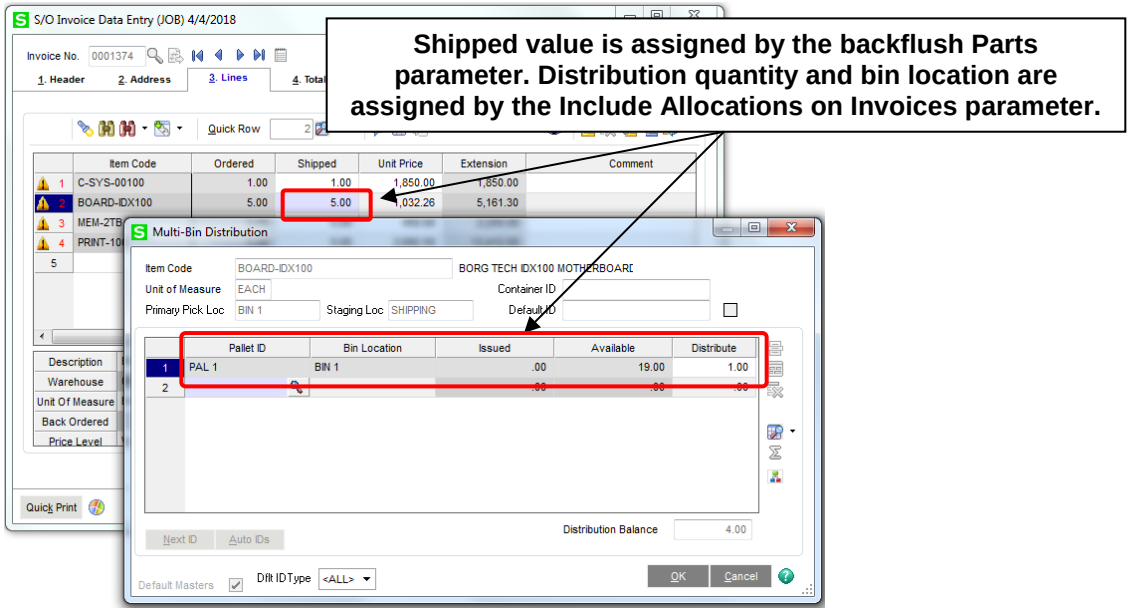
20. Review the work ticket part in Item Maintenance



Warning: When allocations are assigned to a work ticket part prior to creating a final invoice, auto allocation in invoicing does not occur.



Allocations assigned to invoices default to an invoice based on the Include Allocations on Invoice parameter. Refer to pages 43 and 46 for more information on the Include Allocations on Invoices parameter.



Assign bin locations in the Multi-Bin Distribution window or adjust the Shipped value. The distribution balance must equal the shipped value in order to save an invoice.

Updating Work Ticket Invoices

The Daily Sales Reports/Updates and Make To Stock Closing Journal reference the Backorder Unused Allocations in SO Invoices parameter in Multi-Bin WMS Company Options when partial invoices are update for work tickets.

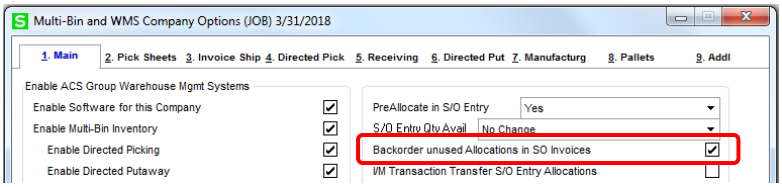
Backorder Unused Allocations in SO Invoices

The Backorder Unused Allocations in SO Invoices parameter in Multi-Bin and WMS Company Options determines when allocation assigned to work ticket parts not shipped on a partial invoice are retain after running the Daily Sales Reports/Updates and Make To Stock Closing Journal.

An allocated but not shipped work ticket part is defined as one of the following.

- A work ticket part that is assigned allocated quantities prior to creating an invoice, displays on the SO Invoice Data Entry or Shipped Data Entry Lines tab and is assigned a zero value Shipped value.
- A work ticket part that is assigned allocated quantities prior to creating the invoice and does not display on the Invoice Data Entry or Shipped Data Entry Lines tab.

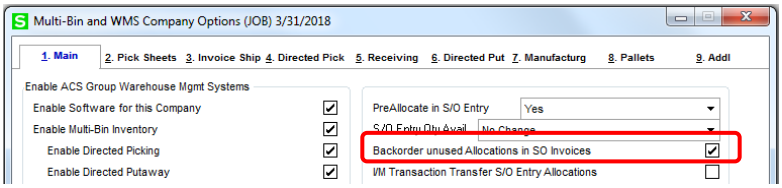
Select the Backorder Unused Allocations in SO Invoices parameter to retain allocation quantities assigned to work ticket parts that are not shipped after updating a partial invoice.



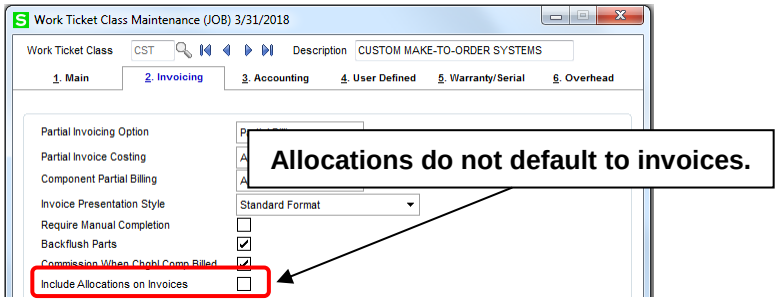
Clear the Backorder Unused Allocations in SO Invoices parameter to remove allocated quantities from work ticket parts and make the quantities available in inventory after updating a partial invoice.

Allocations Backordered

1. Access the Multi-Bin and WMS Company Options Main tab.
2. Select the Backorder Unused Allocations in SO Invoices check box field.



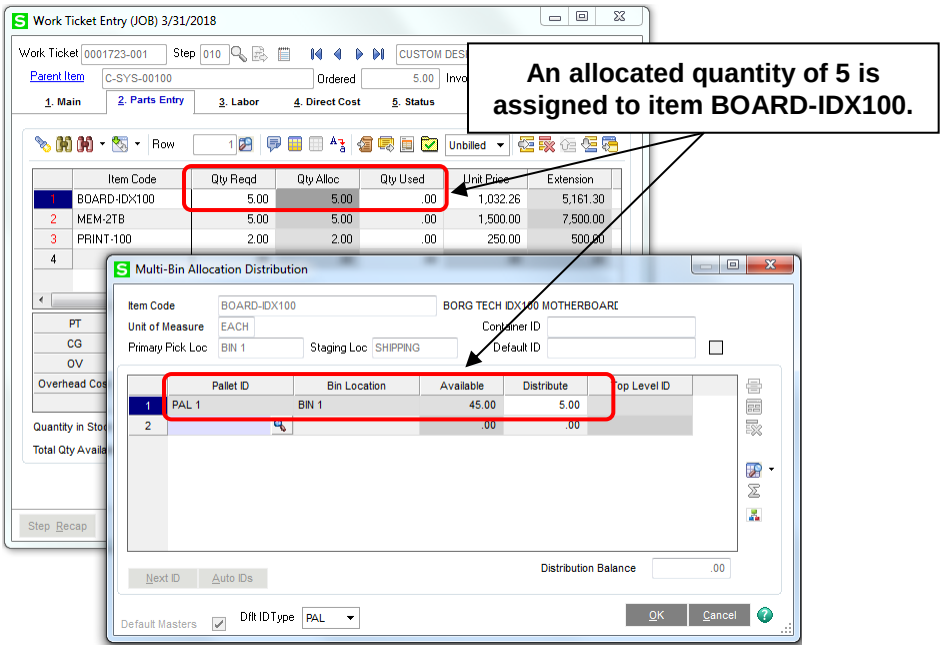
3. Close Multi-Bin and WMS Company Options.
4. Access the Invoicing tab in Work Ticket Class Maintenance.
5. Clear the Include Allocations on Invoices check box field.



Note: Backorder allocations may also occur when the Include Allocations on Invoices parameter is selected and allocated work ticket parts are not shipped.

6. Save work ticket class.
7. Create a work ticket using the work ticket class.

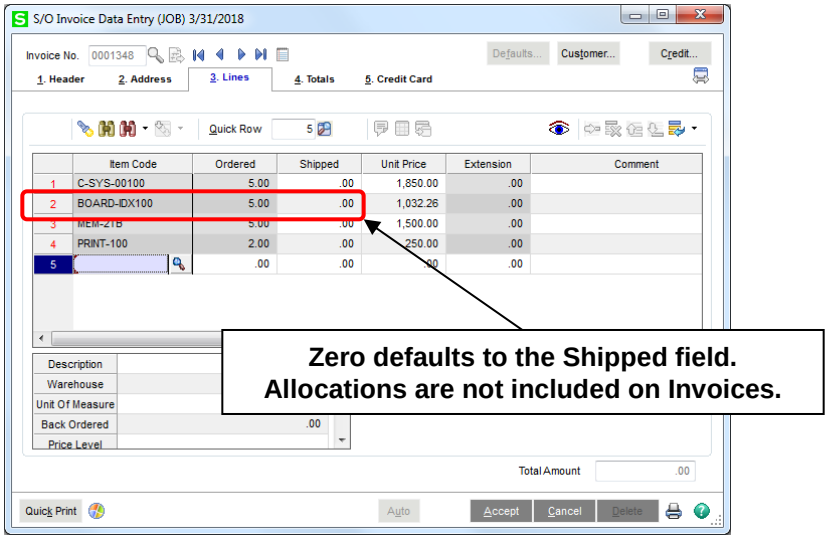
8. Assign an inventory items with quantities on hand in bin locations to a work ticket step.
9. Enter a value greater than zero in the Qty Reqd field.
10. Allocate a value greater than zero from a bin location.



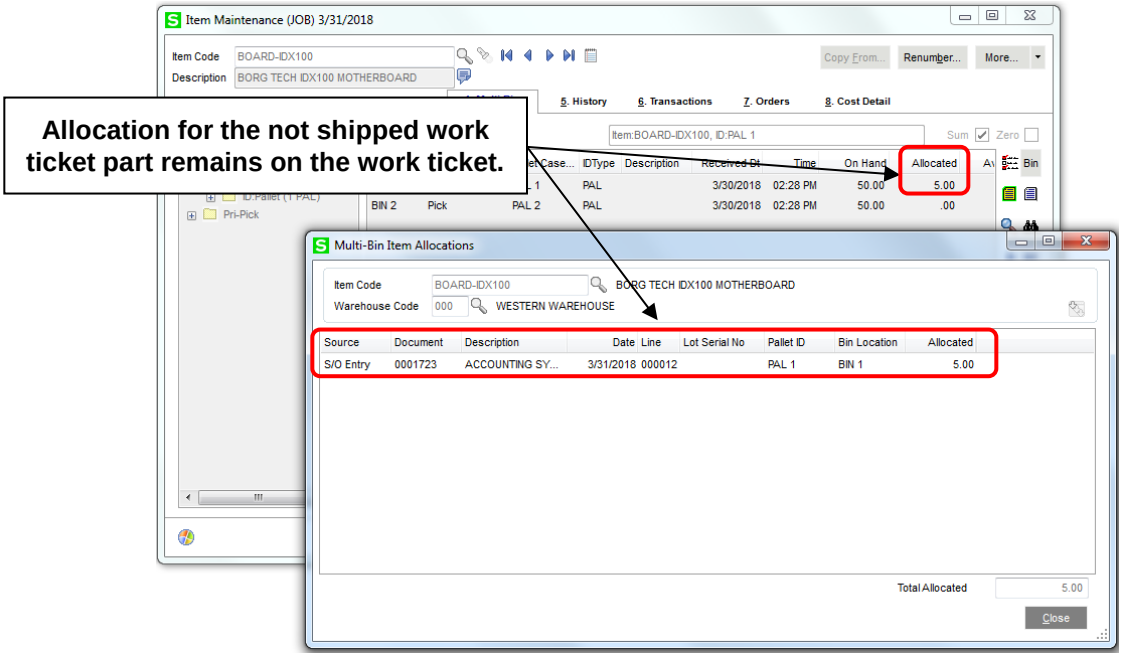
11. Save and close the work ticket.
12. Create a partial invoice from Sales Order Invoice Data Entry.

Note: Allocations not shipped are not backordered when a final invoice is updated.

13. Review the Shipped value on the Sales Order Invoice Data Entry Lines tab.

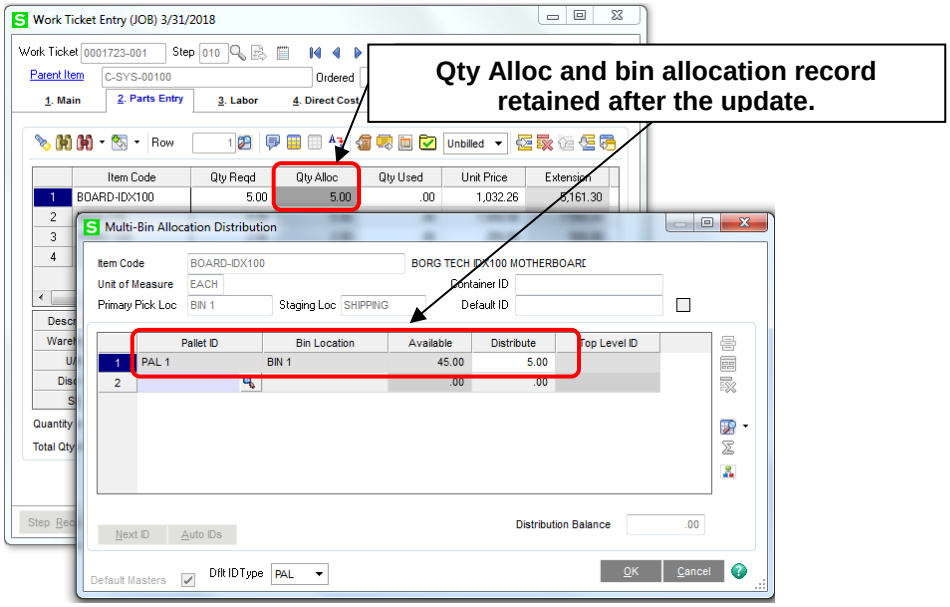


14. Select the Accept button to save the invoice.
15. Review the item in Item Maintenance.

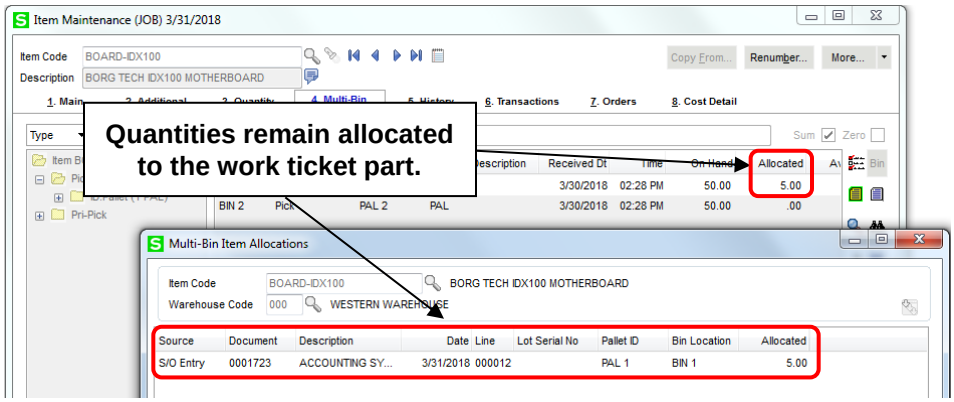


An allocation record with the source *S/O Entry* displays in the Multi-Bin Item Allocations window. The allocation remains assigned to the work ticket part because the item was not shipped on the invoice.

16. Run and Update the Daily Sales Reports/Updates.
17. Review the work ticket part on the Work Ticket Parts Entry tab.



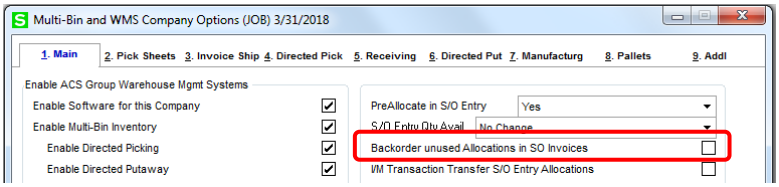
18. Review the work ticket part in Item Maintenance.



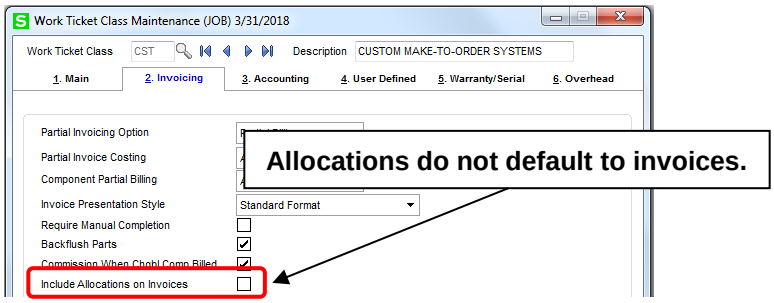
The allocation record is retained after the partial invoice is updated.

Allocations Not Backordered

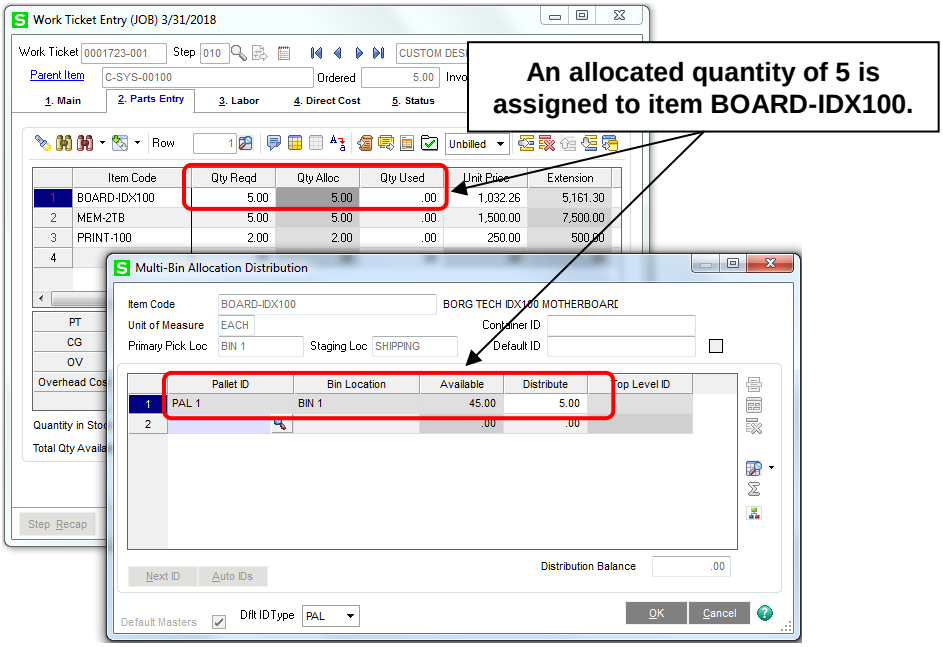
1. Access the Multi-Bin and WMS Company Options Main tab.
2. Clear the Backorder Unused Allocations in SO Invoices check box field.



3. Close Multi-Bin and WMS Company Options.
4. Access the Invoicing tab in Work Ticket Class Maintenance.
5. Clear the Include Allocations on Invoices check box field.



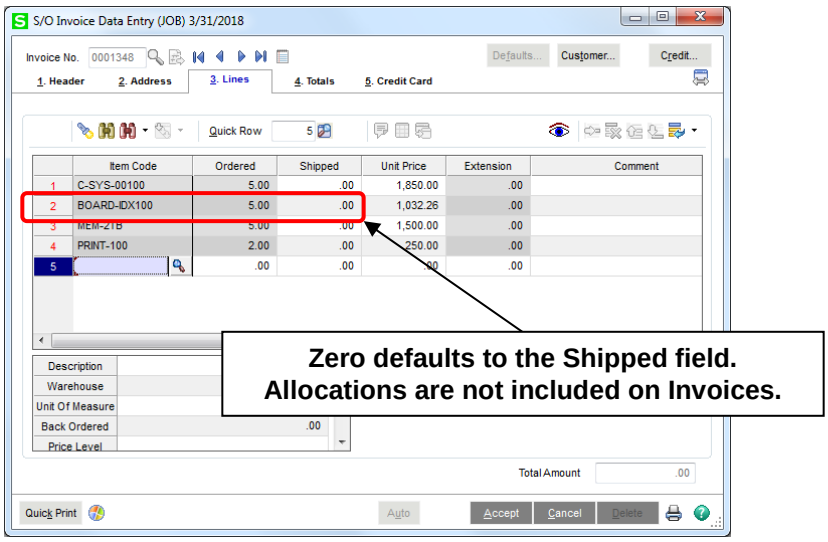
6. Save the work ticket class.
7. Create a work ticket using the work ticket class.
8. Assign an inventory items with quantities on hand in bin locations to a work ticket step.
9. Enter a value greater than zero in the Qty Reqd field.
10. Allocate a value greater than zero from a bin location.



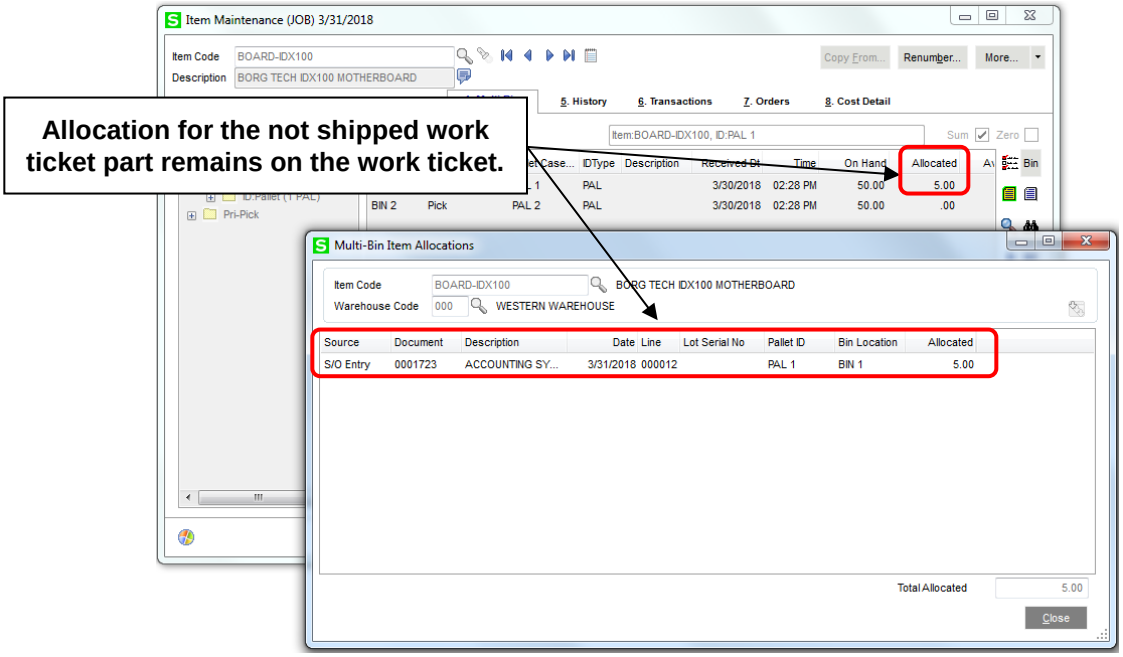
11. Save and close the work ticket.
12. Create a partial invoice from Sales Order Entry.

Note: Allocations are also not backordered when a final invoice is created and updated.

13. Review the Shipped value on the Sales Order Invoice Data Entry Lines tab.

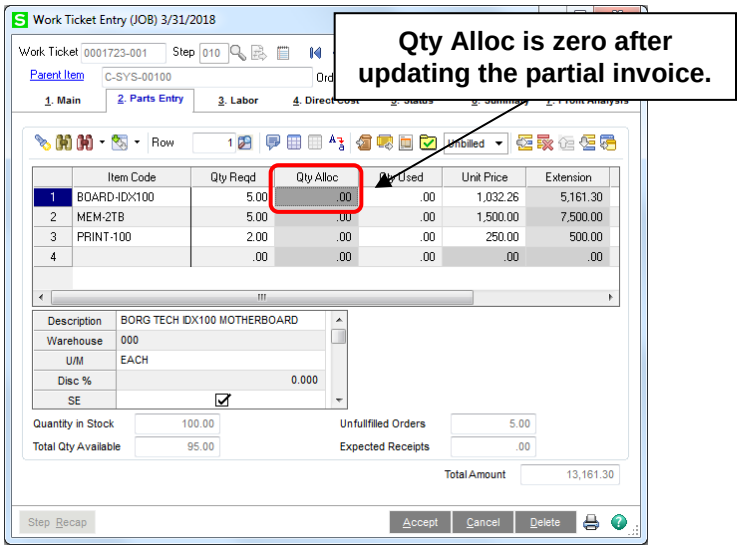


14. Select the Accept button to save the invoice.
15. Review the item in Item Maintenance.

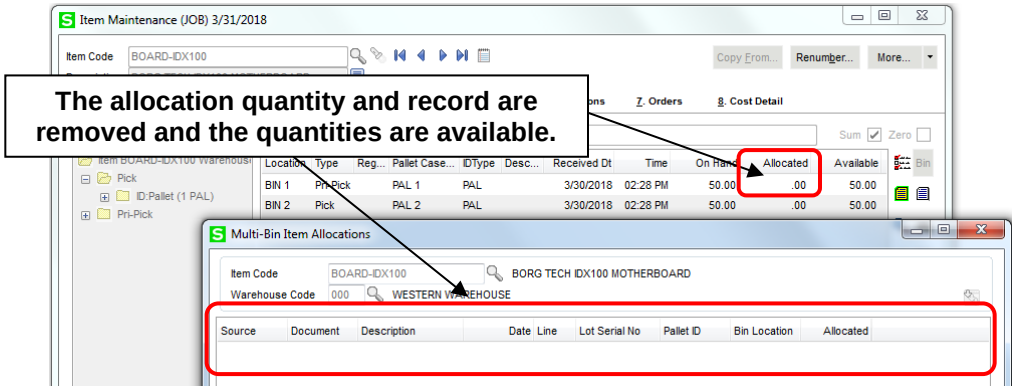


An allocation record with the source *S/O Entry* displays in the Multi-Bin Item Allocations window. Since the item was not shipped on the invoice, the allocation remains assigned to the work ticket part.

16. Run and Update the Daily Sales Repots/Updates.
17. Review the work ticket part on the Work Ticket Parts Entry tab.



18. Review the work ticket part in Item Maintenance.



The allocation record was not retained after the partial invoice was updated. The quantities that were allocated prior to updating the invoice are now available in inventory.

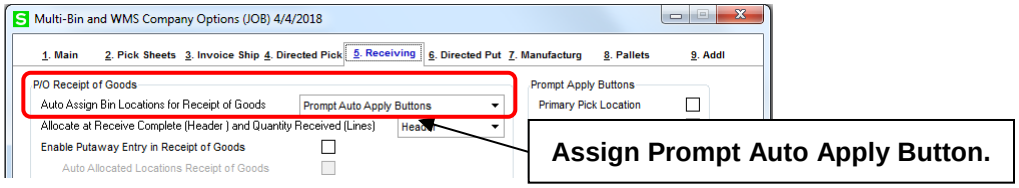
Purchase Order Receipt of Goods Entry

Bin locations may be manually or automatically assigned to purchase order items linked to work tickets based on parameter settings in Multi-Bin and WMS Company Options. Refer to the Scanco Multi-Bin Quick Start Guide and Documentation Manual for more information on assigning auto allocations parameters.

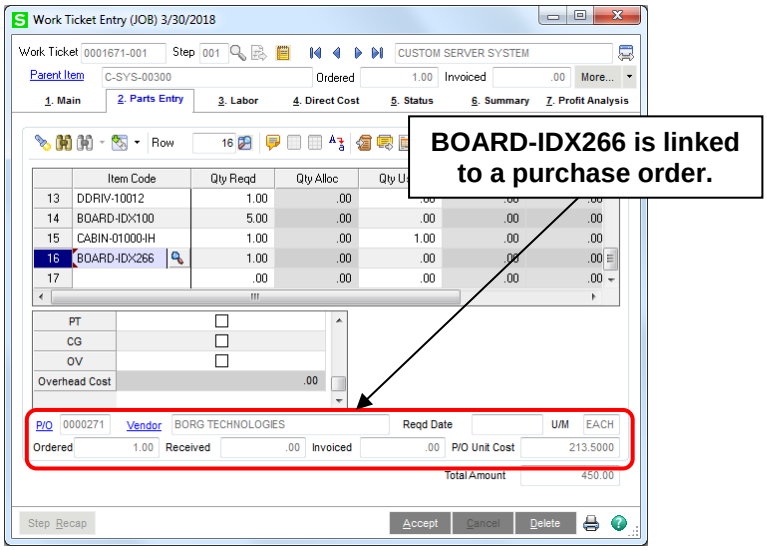
Note: The Scanco Multi-Bin auto put away feature does not occur for purchase order items linked to work tickets. Purchase order items linked to work tickets are automatically assigned to the work ticket and are not recorded as available inventory.

Receipt of Goods for an Item Linked to a Work Ticket

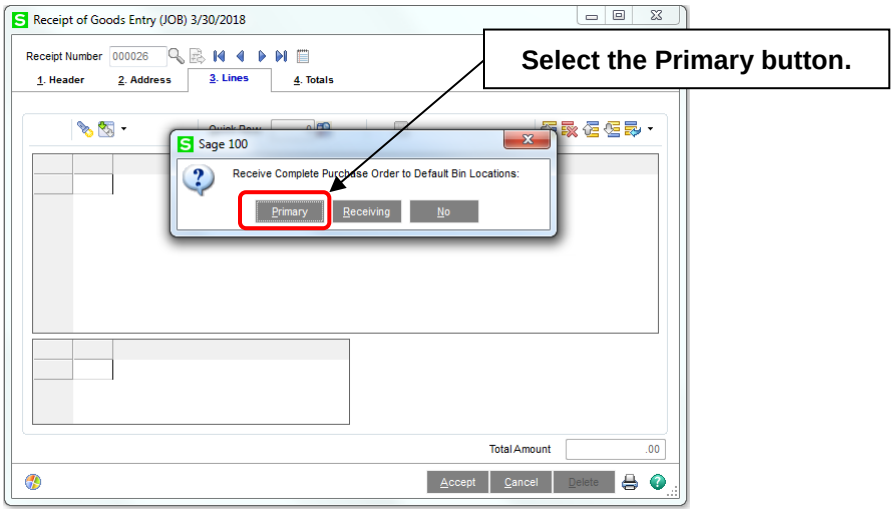
1. Assign Prompt Auto Apply Buttons to the Auto Assign Bin locations for Receipt of Goods parameter.



2. Assign a primary bin location to an inventory item.
3. Assign the inventory item to a work ticket step.
4. Assign a value greater than zero in the Qty Reqd field.
5. Create a purchase order for the inventory item.

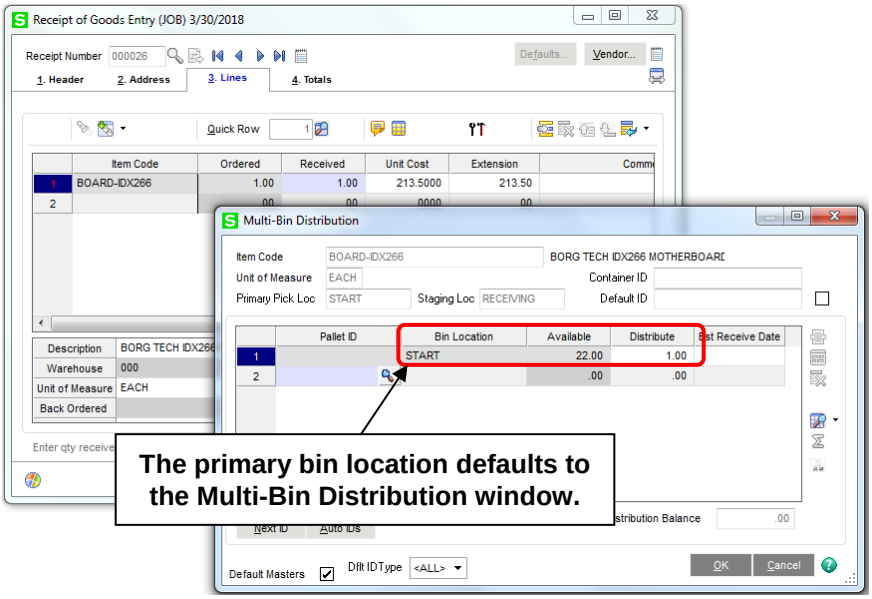


6. Create a receipt of goods transaction for the purchase order.
7. Select the Lines tab.
8. Select a button from the *Receive Complete Purchase Order to Default Bin Location* message when an auto assign option is assigned to the Auto Assign Bin Locations for Receipt of Goods parameter in Multi-Bin and WMS Company Options.

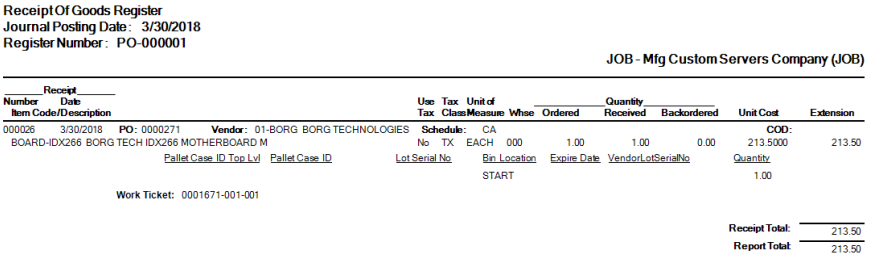


Manually assign a bin location when *No Prompt and No Auto Assign* is assigned to the Auto Assign Bin Locations for Receipt of Goods parameter. A serial or lot number is required when the item's valuation method is serial or lot.

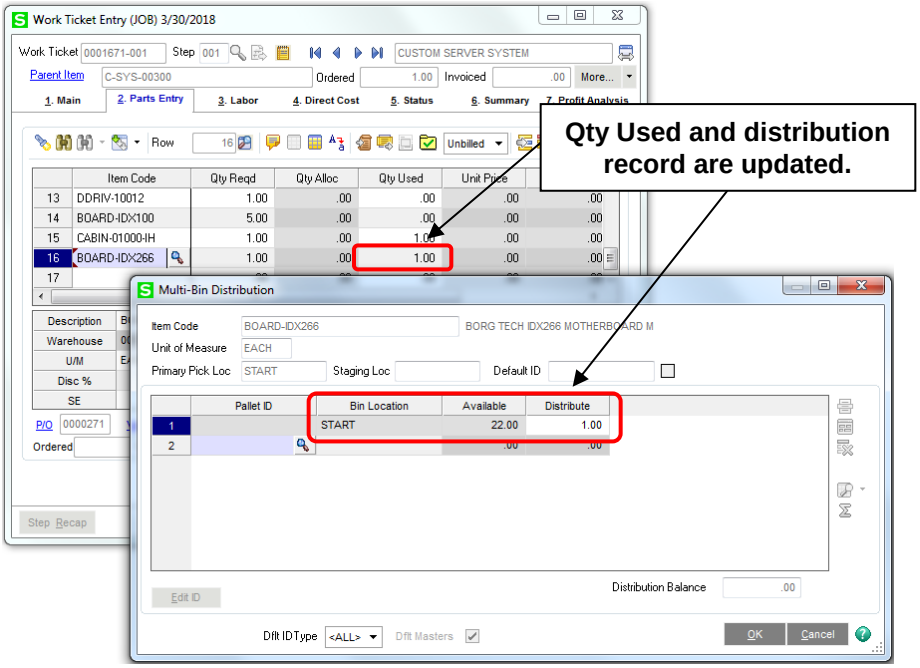
Note: The Pallet ID field displays when the Enable Lic Plate and Pallet Management parameter is selected in Multi-Bin and WMS Company Options.



9. Select the OK button from the Multi-Bin Distribution window.
10. Select the Accept button to save the receipt of goods transaction.
11. Run and update the Daily Receipt Registers/Update.

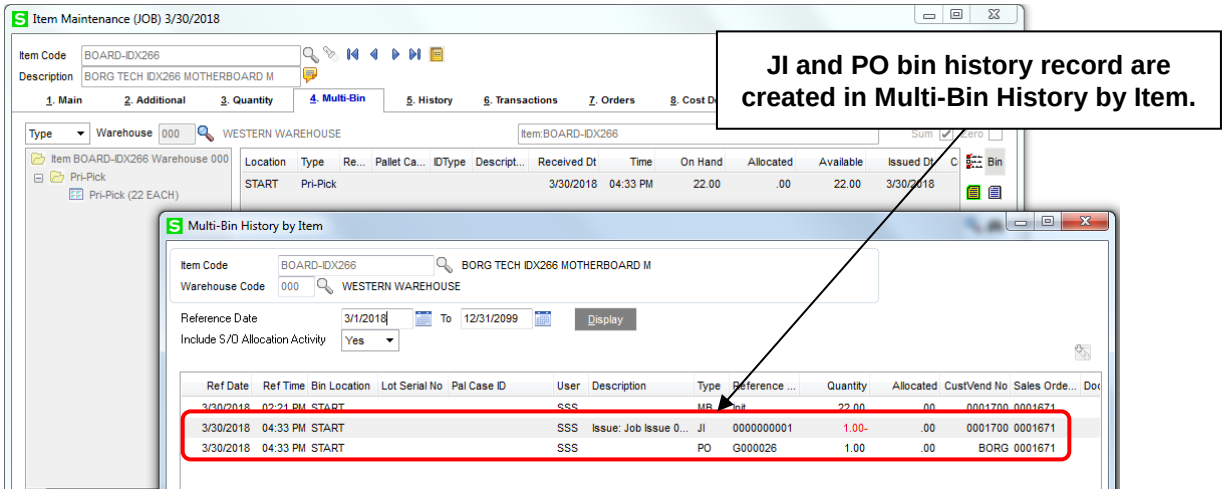


12. Review the work ticket part from the Work Ticket Entry Parts Entry tab.



The bin location assigned on the purchase order is automatically assigned to the work ticket part.

13. Review the item in Item Maintenance.



Records recording the receipt of goods transaction and the issue to the work ticket displays in the Multi-Bin History by Item window.

Data Collector

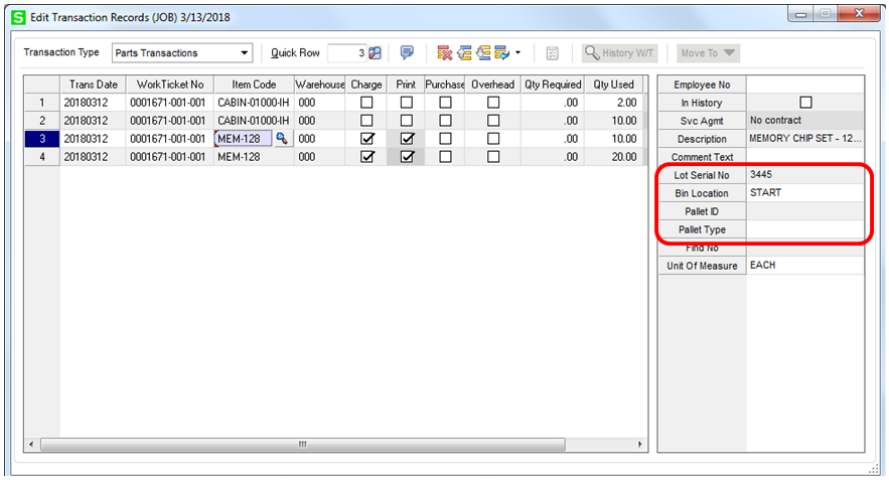
Bin location, pallet ID and pallet type values may be imported into the Data Collector and updated to work ticket parts when the Scanco Multi-Bin integration is activated in Manufacturing Options. The Data Collector file layout, Edit Transaction Records window and update process take into account bin location, pallet ID and pallet type values.

Warning: Data Collector file import data may require modifications. Review the new Data Collector file layout on the page 70.

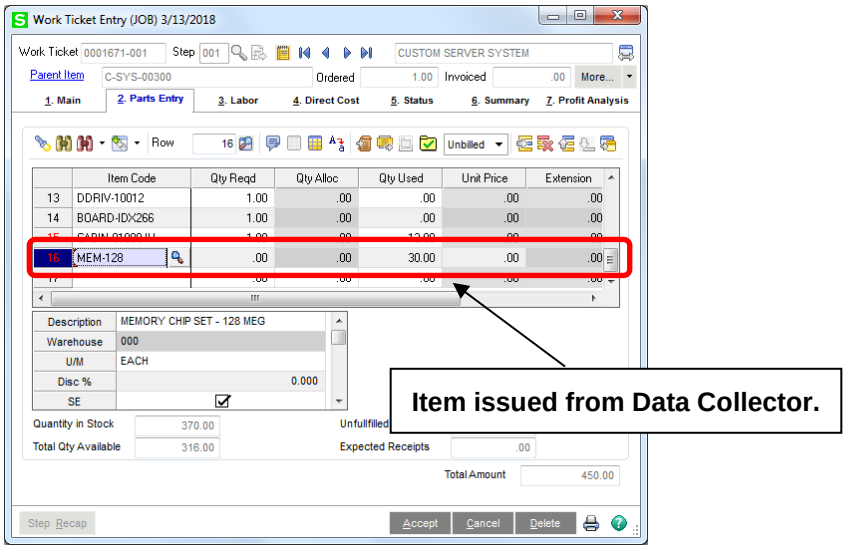
Edit Transaction Records Window

Three fields are available when the Scanco Multi-Bin integration is activated in Manufacturing Options.

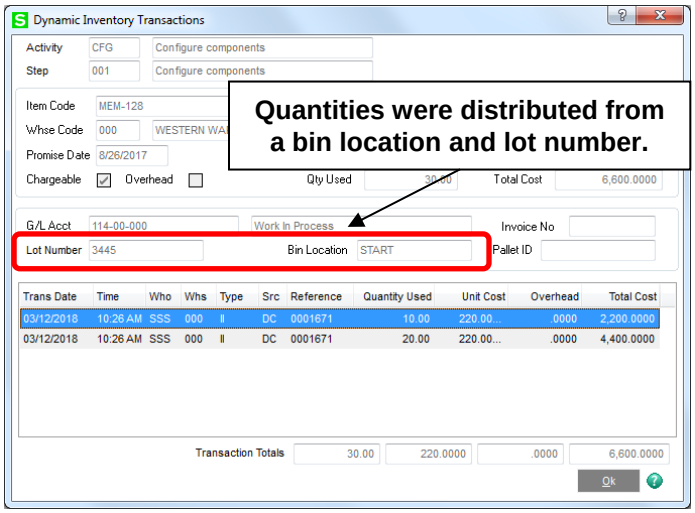
- Bin Location
- Pallet ID
- Pallet Type



Work ticket parts may be issued from a bin location and pallet ID when valid bin location and pallet ID values are assigned in the Data Collector and quantities on hand exist in the specified bin location and pallet ID.

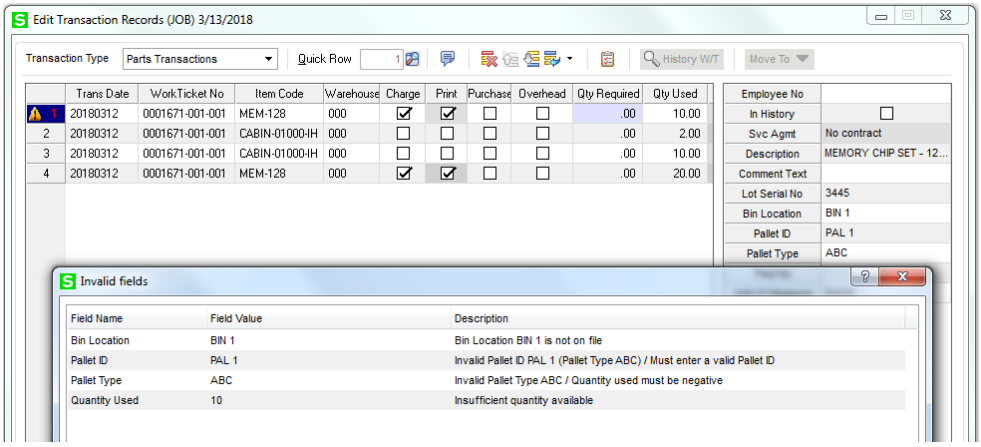


Note: The Pallet ID field displays when the Enable Lic Plate and Pallet Management parameter is selected in Multi-Bin and WMS Company Options.



Error Messages

Error messages display when an invalid bin location, pallet ID and/or pallet type are imported into the Data Collector or assigned in the Edit Transaction Records window. An invalid bin location, pallet ID and/or pallet type must be corrected in order to import a part transaction.



Data Collector File Layout

##	##	Field Name	M	I	L	P	Type	Size	Additional Notes
1	A	Record Type	X	X	X	X	Str	1	"M"=Misc," I"=In/Out," P"=Parts," L"=Labor, X will be assigned for invalid records
2	B	Transaction Date	X	X	X	X	Date	8	YYYYYMMDD
3	C	Employee No	X	X	X	X	Str	9	Full XXYYYYYYY, XX=Employee Dept No, YYYYYYY=Employee No
4	D	SalesOrderNo			X	X	Str	7	
5	E	WTNumber			X	X	Str	3	
6	F	WTStep			X	X	Str	3	
7	G	Svc Agmt Contract Code			X	X	Str	10	
8	H	Start Time			X		Str	4	HHMM, HH=Hours (00-23), MM=Minutes (00-59)
9	I	End Time	X	X	X		Str	4	HHMM, HH=Hours (00-23), MM=Minutes (00-59)
10	J	Earnings Code	X	X	X		Str	2	
11	K	Dept Worked In			X		Str	2	
12	L	Activity Code			X		Str	4	
13	M	Status Code			X		Str	3	
14	N	Status Comment			X		Str	30	
15	O	Scrap Reason Code			X		Str	6	
16	P	Scrap Comment			X		Str	30	
17	Q	Work Performed			X		Str	2048	
18	R	Item Code				X	Str	30	
19	S	Item Code Description				X	Str	2048	
20	T	Comment Text				X	Str	2048	
21	U	Warehouse Code				X	Str	3	
22	V	Charge Part				X	Y/N	1	
23	W	Print Part				X	Y/N	1	
24	X	Purchase Part				X	Y/N	1	
25	Y	Lot/Serial No				X	Str	15	
26	Z	Unit Of Measure				X	Str	4	
27	AA	Find No				X	Str	5	
28	AB	Hours Worked	X	X	X		Num	16.6	
29	AC	Quantity Completed			X		Num	16.6	

30	AD	Quantity Scrapped			X		Num	16.6	
31	AE	Quantity Required				X	Num	16.6	
32	AF	Quantity Used				X	Num	16.6	
33	AG	Unit Cost				X	Num	16.6	
34	AH	Unit Price				X	Num	16.6	
35	AI	Overhead	X	X	X	X	Y/N	1	
36	AJ	****Reserved*							****Leave blank in import – future enhancement****
37	AK	Bin Location				X	Str	15	
38	AL	Pallet ID				X	Str	20	
39	AM	Pallet Type				X	Str	4	
40	AN	Start of UDF Fields			X				Populate UDF information on parts starting at this column in order of the UDF fields listing in User Defined Field and Table Maintenance

Warning: The Data Collector import file ***must*** be a tab delimited file type.

Make To Stock Import

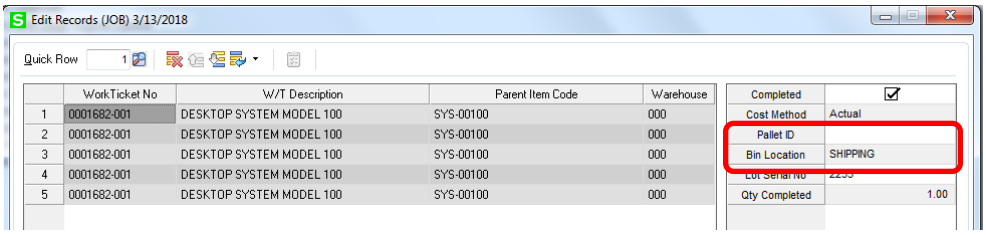
Bin location and pallet ID values may be imported into the Make To Stock Import and updated to create make to stock closing documents when the Scanco Multi-Bin integration is activated in Manufacturing Options. The Make To Stock Import file layout, Edit Records window and update process take into account bin location and pallet ID values.

Warning: Make To Stock Import file import data may require modifications.

Edit Records Window

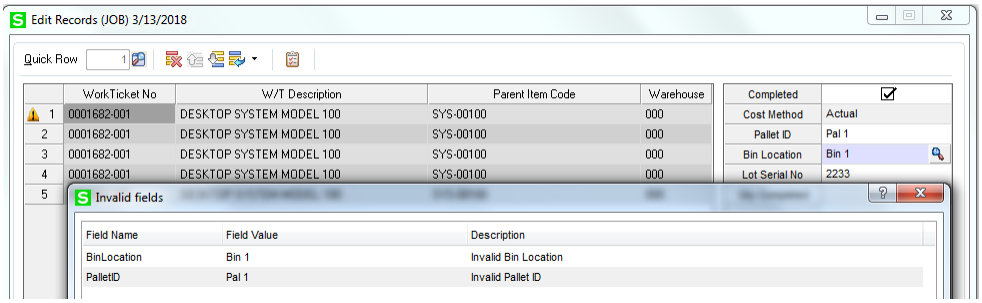
Two fields are available when the Scanco Multi-Bin integration is activated in Manufacturing Options.

- Bin Location
- Pallet ID

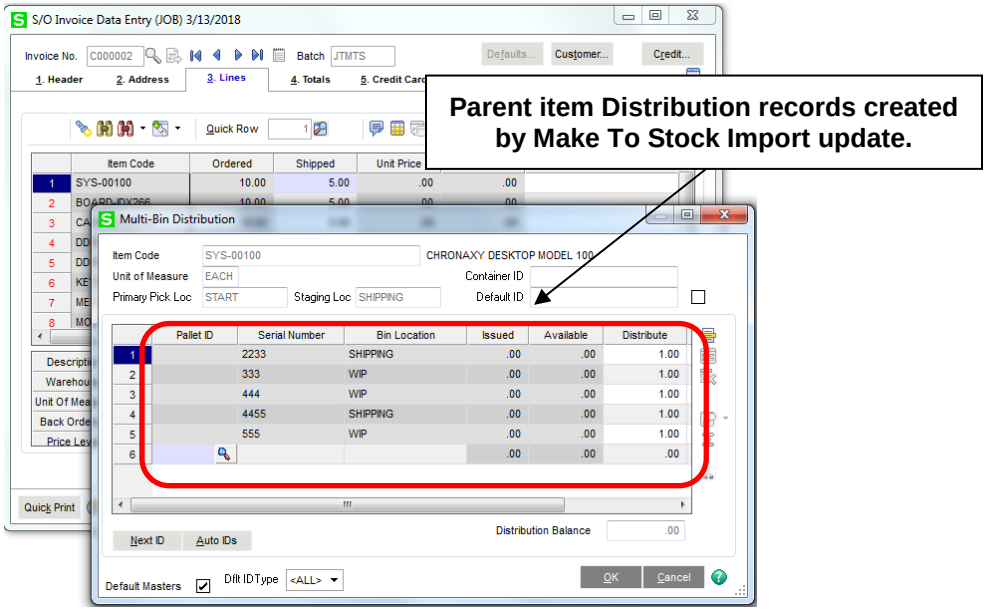


Error Messages

Error messages display when an invalid bin location or/and pallet ID are imported into the Make To Stock Import or assigned in the Edit Records window. An invalid bin location and/or pallet ID must be corrected in order to create a make to stock closing document.



The Make To Stock Import update process assigns the defined bin location and pallet ID to the make to stock parent.



Make to Stock Import File Layout

The Make to Stock Import function allows make to stock closing entries and documents to easily be generated based on data stored in a tab delimited file. The format of the data in the tab delimited file must be defined using the following requirements.

Position of Data Value	Field Name	Data Type	Maximum Field Size	Data Value
1st	Sales Order Number	String	7	
2nd	Work Ticket Number	String	3	
3rd	Parent Item Code	String	30	
4th	Completed	Yes/No	1	Y = Yes N = No
5th	Cost Method	String	1	A = Actual B = Budget S = Standard
6th	Quantity Completed	Number	16.6	
7th	Lot/Serial Number	String	15	
8th	Bin Location	String	15	
9th	Pallet ID	String	20	