



## Assembly Management

**Scenario:** Assume an Assembly Order relating to item FWABW001 for 450 quantities is to be created at location INVENTORY. It could be assumed that the order is to be processed during 01/25/2018 to 01/31/2018.

## Defining the Job and Job Steps

The Jobs and the Job Steps would be defined in Vertex Client Payroll Manager (CPM). For guidance in creating Jobs and Job Steps in Vertex CPM please refer the Help. Listed below are a few screenshots of the Job and the Steps created in relation to the above scenario.

### Job Definition

Client Payroll Manager - [Job/Activity Setup]

File Edit Navigation Tools Help

Job/Activity Setup

Search 99150 Filter [All]

Job no.	Name	Branch code	Branch	Transfer to Navision	Payroll Only	Service
99143	Conestoga - PacK 12 Screw Kit Assembly	1	Vertex Industries	N	Yes	
99145	Alpha Co Widgets	1	Vertex Industries	Y	No	
99146	Assemble Totes	1	Vertex Industries	Y	No	
99150	Wooden Alphabet Blocks Wagon	1	Vertex Industries	Y	No	

Job no. 99150 Order No. Status Start date 01/01/2018 Close date

Name Wooden Alphabet Blocks Wagon

Payroll branch 1 Vertex Industries

Category Department Customer

Service delivery code Transfer to Navision

Clean assembly station with cleaning liquid before starting work on the job. Ensure there are no harmful object that could transfer on to the finished goods.

No unread messages ALGAMA, SHANIL



## Job Step Definition

Client Payroll Manager - [Job/Activity Setup]

File Edit Navigation Tools Help

Job/Activity Setup

Search 99150 Filter [All]

Job Steps for 99150

Step no.	Name	Wage basis	Piece rate	Sequence no.	Work type
01	Attach Four Wagon Wheels	\$9.00	\$0.03750	1	
02	Attach Pull String To Wagon	\$9.00	\$0.15000	2	
03	Arrange Blocks In In Wagon Alphabetically	\$9.00	\$0.02885	3	
04	Pack The Wagon Into The Box	\$9.00	\$0.75000	4	

Job step no. 01 Sequence no. 1 Order No...

Name Attach Four Wagon Wheels Start date 01/01/2018

Pay code PR Piece Rate - Unclassified Close date

Pay options

☒ Paid using ☐ Productivity ☐ Guaranteed wage rate ☐ Calc method wage rate ☐ Average hourly rate

Prevailing / guaranteed wage

Type Wage Rate 9.00 Current basis \$9.00

Piece rate

Standard pieces 240

Rate \$0.03750

Ops per FG 4

Labor \$ per FG \$0.15000

Effective date 01/01/2018

Time study...

Options

☐ Minimum wage cap

☒ Pieces required

Work type

Department

Service delivery code

Funding source

Instructor

F & B code

Labor distribution accounts

Regular

Overtime

Holiday

Shift diff

Check the wheels for defects. Make sure the paint is not scratched.

No unread messages ALGAMA, SHANIL

## Synchronizing the Jobs to MS Dynamics NAV

Prior to creating Assembly Orders in MS Dynamics NAV for any newly created or modified Jobs in Vertex CPM the Jobs need to be synchronized on to MS Dynamics NAV. The synchronization is set to take place at defined interval however if the user requires to carry out a force synchronization navigate to the **Integration Setup** button located in the ribbon of the home screen. Subsequently go on to the **Navigate** tab and click on **Send Job Reference from CP**.



## Vertex Systems Assembly Management

**Edit - Integration Setup**

HOME ACTIONS

Update Prevailing Wage in Bulk Update Job Reference in Bulk Update Time Trans. in Bulk Update Resource/Work Center Rates Post Output Journal Send Prevailing Wage from CP Send Job Reference from CP Send Time Transactions from CP

Action

**Integration Setup**

General

Use Integration: ☒ Validate Employee in Int. Time Jnl.: ☐  
Interim Time Jnl. No. Series: INTIMEJNL Lock Time Study if in Sync: ☒  
Lock Operations per if in Sync: ☒

Manufacturing

Labor Batch Name - CP: CP LABOR Keep Routing Comments in Sync w/Job Ref: ☒  
Reverse Batch Name - CP: REV LABOR Post Time Transactions to G/L: ☒  
Keep Routing in Sync w/Job Ref: ☒ Alt. Gen.Prod. Post Group Opt.:

Assembly Mgt.

Default Usage Resource: DIR LAB Keep Asm BOM in Sync w/Job Ref: ☒

OK

### Job References

Once the Job and Steps synchronize to MS Dynamics NAV they would be listed under **Job Reference**. The user could navigate to this list by either clicking on the link on the home screen menu or by navigating as Departments→Warehouse→Assembly→Setup.

**View - Job Reference List**

HOME NAVIGATE

Show Job Reference New Edit View Delete Manage View Show Attached Page

**Job Reference List**

99\* No.

No.	Description	Job Start Date	Job Close Date
99145-1	Alpha Co Widgets	5/5/2017	
99146-1	Assemble Totes	9/1/2017	
99150-1	Wooden Alphabet Blocks Wagon	1/1/2018	

Close



## Vertex Systems Assembly Management

Use the **Show Job Reference** button to view the Step details.

Step No.	Resource No.	Description	Start Date	Close Date	Prevailing Wage ID	Alternate	Operations per	Time Study Rate
01		Attach Four Wagon Wheels	1/1/2018		1058	<input type="checkbox"/>	4	240
02		Attach Pull String To Wagon	1/1/2018		1058	<input type="checkbox"/>	1	60
03		Arrange Blocks In In Wagon Alphab...	1/1/2018		1058	<input type="checkbox"/>	26	312
04		Pack The Wagon Into The Box	1/1/2018		1058	<input type="checkbox"/>	1	12

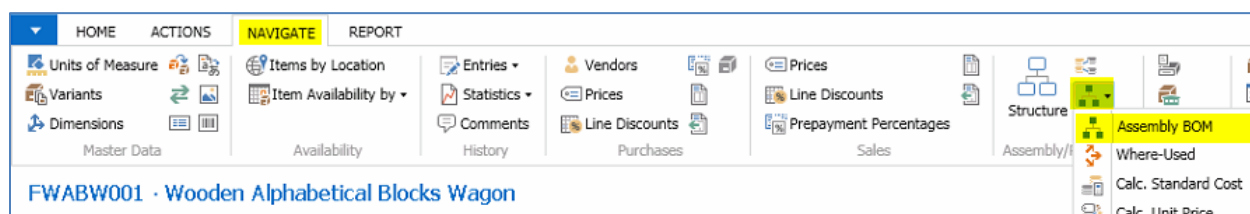
The user requires to fill in the **Resource No.** The user has the option of assigning individual resources to each step or assigning a single generic resource number to all steps. The resource assigned should have the **Default Res. Usage Type as "Estimate"**.

Step No.	Resource No.	Description	Start Date	Close Date	Prevailing Wage ID	Alte...	Operations per	Time Study Rate
01	ASMBLY	Attach Four Wagon Wheels	1/1/2018		1058	<input type="checkbox"/>	4	240
02	ASMBLY	Attach Pull String To Wagon	1/1/2018		1058	<input type="checkbox"/>	1	60
03	ASMBLY	Arrange Blocks In In Wagon Alphab...	1/1/2018		1058	<input type="checkbox"/>	26	312
04	ASMBLY	Pack The Wagon Into The Box	1/1/2018		1058	<input type="checkbox"/>	1	12

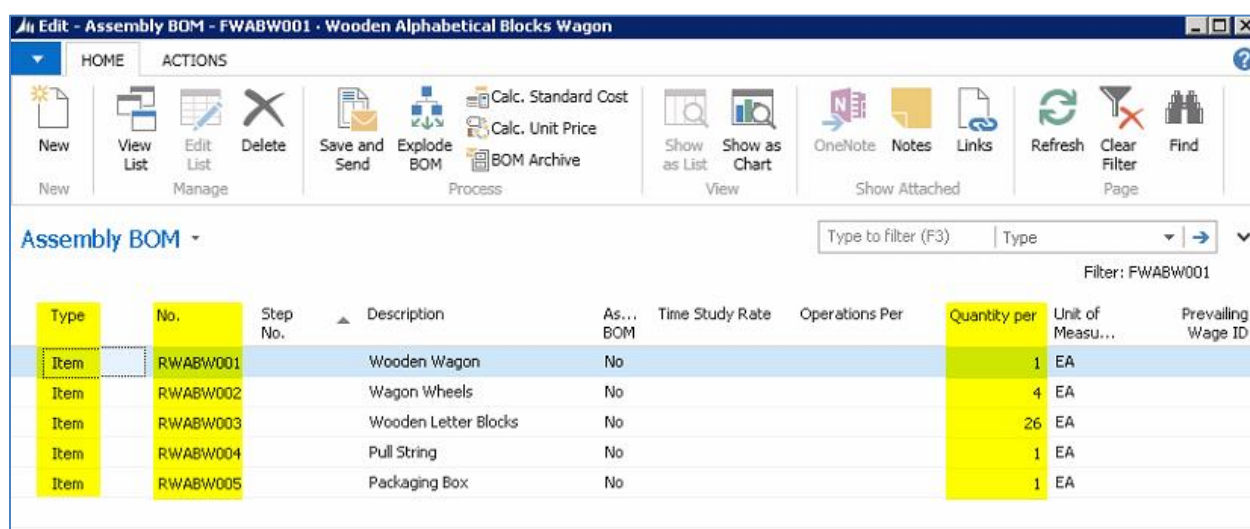


## Defining the Assembly Bill of Material

The Assembly Bill of Material is accessed through the *Item Card*. On the *Item Card* select the *Navigate* tab and click on the *Assembly* button and select *Assembly BOM* as shown below.



This would open the Assembly BOM. When entering components select the *Type* as *Item*, select the *No.* and enter the *Quantity per*.



**Note:** The resources / steps required to assemble the item need not be entered manually on the Assembly BOM. They would be automatically inserted on to the Assembly BOM when the Job Reference is attached to the finished good item using the Item Card.

### Attaching the Job Reference to the item on the Item Card

Navigate on to the *Replenishment* tab of the finished good *Item Card*. Insert the relevant job reference in the *Job Reference No.* field and place a check mark on *Keep Asm BOM in Sync w/Job Ref*. This would automatically add the resources / steps from the job reference on to the assembly bill of material and keep the resources in sync with the job reference.



## Vertex Systems Assembly Management

**FWABW001 · Wooden Alphabetical Blocks Wagon**

General FWABW001 EA 0

Invoicing Standard 1.44952 2-FIN GDS

Replenishment

Replenishment System: Assembly

Lead Time Calculation:

**Purchase**

Vendor No.:

Vendor Item No.:

Purch. Unit of Measure: EA

**Production**

Manufacturing Policy: Make-to-Stock

Routing No.:

Production BOM No.:

Rounding Precision: 1

Flushing Method: Manual

Scrap %: 0

Lot Size:

**Assembly**

Assembly Policy: Assemble-to-Stock

Job Reference No.: 99150-1

Keep Asm BOM in Sync w/Job Ref: ☒

**Edit - Assembly BOM - FWABW001 · Wooden Alphabetical Blocks Wagon**

HOME ACTIONS

New View List Edit List Delete Save and Send Explode BOM Calc. Standard Cost Calc. Unit Price BOM Archive Show as List Show as Chart OneNote Notes Links Refresh Clear Filter Find

Assembly BOM

Type to filter (F3) Type Filter: FWABW001

Type	No.	Step No.	Description	As... BOM	Time Study Rate	Operations Per	Quantity per	Unit of Measu...	Prevailing Wage ID
Resource	ASMBLY	01	Attach Four Wagon Wheels	No	240	4	0.01667	HR	1058
Resource	ASMBLY	02	Attach Pull String To Wagon	No	60	1	0.01667	HR	1058
Resource	ASMBLY	03	Arrange Blocks In In Wagon ...	No	312	26	0.08333	HR	1058
Resource	ASMBLY	04	Pack The Wagon Into The Box	No	12	1	0.08333	HR	1058
Item	RWABW001		Wooden Wagon	No			1	EA	
Item	RWABW002		Wagon Wheels	No			4	EA	
Item	RWABW003		Wooden Letter Blocks	No			26	EA	
Item	RWABW004		Pull String	No			1	EA	
Item	RWABW005		Packaging Box	No			1	EA	



## Retaining the Bid Cost

There may be a requirement to retain the Bid Cost to compare the assembly job against the initial bid. To perform this action navigate from the assembly bill of material as shown below.

Type	No.	Step No.	Description	As... BOM	Time Study Rate	Operations Per	Quantity per	Unit of Measu...	Prevailing Wage ID
Resource	ASMBLY	01	Attach Four Wagon Wheels	No	240	4	0.01667	HR	1058
Resource	ASMBLY	02	Attach Pull String To Wagon	No	60	1	0.01667	HR	1058
Resource	ASMBLY	03	Arrange Blocks In In Wagon ...	No	312	26	0.08333	HR	1058
Resource	ASMBLY	04	Pack The Wagon Into The Box	No	12	1	0.08333	HR	1058
Item	RWABW001		Wooden Wagon	No			1	EA	
Item	RWABW002		Wagon Wheels	No			4	EA	
Item	RWABW003		Wooden Letter Blocks	No			26	EA	
Item	RWABW004		Pull String	No			1	EA	
Item	RWABW005		Packaging Box	No			1	EA	

On the subsequent window enter the **Archive Date** and the **Description**. This would retain a copy of the assembly bill of material as the Bid Cost

Parent Item...	Archive Date	Description	Cost Per
FWABW001	1/1/2018	Bid for CS001	2.58





## Vertex Systems Assembly Management

To view detailed lines of the archived assembly bill of material navigate as shown below.

Parent Item...	Archive Date	Description	Cost Per
FWABW001	1/1/2018	Bid for C5001	2.58

This would display the lines of the archived assembly bill of material with the costs as of the archived date.

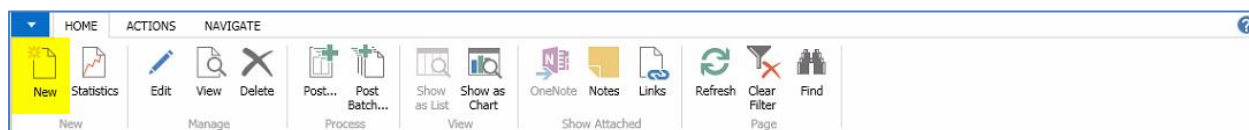
Type	Step No.	No.	Description	As... BOM	Time Study Rate	Quantity per	Unit of Measu...	Unit Cost	Cost Per
Resource	01	ASMBLY	Attach Four Wagon Wheels	No	240.00	0.01667	HR	9.90	0.165
Resource	02	ASMBLY	Attach Pull String To Wagon	No	60.00	0.01667	HR	9.90	0.165
Resource	03	ASMBLY	Arrange Blocks In In Wagon ...	No	312.00	0.08333	HR	9.90	0.825
Resource	04	ASMBLY	Pack The Wagon Into The Box	No	12.00	0.08333	HR	9.90	0.825
Item		RWABW001	Wooden Wagon	No	1.00	1	EA	0.00	0.00
Item		RWABW002	Wagon Wheels	No	1.00	4	EA	0.00	0.00
Item		RWABW003	Wooden Letter Blocks	No	1.00	26	EA	0.00	0.00
Item		RWABW004	Pull String	No	1.00	1	EA	0.00	0.00
Item		RWABW005	Packaging Box	No	1.00	1	EA	0.60	0.60





## Assembly Order Processing

To create a new Assembly Order go to the list of assembly orders by navigating as Departments→Warehouse→Planning & Execution→Assembly Orders and then click the **New** button listed on the ribbon.



The above action would open a new *Assembly Order*.

**General**

No.:  ...  
Item No.:   
Description:   
Job Reference No.:   
T.E. Start Date:   
T.E. Stop Date:   
Quantity:  0  
Quantity to Assemble:  0  
Remaining Quantity:  0  
Assembled Quantity:  0  
Customer No.:   
Unit of Measure Code:   
Posting Date:   
Due Date:   
Starting Date:   
Ending Date:   
Assemble to Order:  No  
Customer PO No.:   
Status:  Open  
Closed: ☐  
Order ID:  0  
Location Code:

**Estimate**

Line	Type	No.	Description	Location Code	Unit of Measure	Quantity	Remaining Quantity	Quantity to Consume	Time Study Rate	Operations Per	Prevailing Wage ID	Quantity per	Consumed Quantity	Direct Unit Cost	Unit Cost
						0	0	0			0	0	0	0.00	

**Usage**

Line	Type	Shop No.	Description	Location Code	Unit of Measure	Quantity	Consumed Quantity	Quantity to Consume	Remaining Quantity	Quantity per	Pieces	Unit Cost	Direct Labor Cost	Indirect Cost	Cost Amount	Rate
						0	0	0	0	0		0.00	0.00	0.00	0.00	

**Posting**

**Documents**

Item No.:  
Standard Cost:  
Unit Price:

**Assembly Item - Details**

Item No.:  
Required Quantity:  
**Availability**  
Due Date:  
Item Availability:  
Available Inventory:  
Scheduled Receipt:  
Reserved Receipt:  
Gross Requirement:  
Reserved Requirement:  
**Item**  
Base Unit of Measure:  
Unit of Measure Code:  
Qty. per Unit of Measure:  
Unit Price:  
Unit Cost:  
Standard Cost:  
No. of Substitutes:  
Replacement Symbol:  
Vendor No.:



Fill in the information on the header.

No. - *Automatically populated based on a number series.*

Item No. – *The item number of the finished good to be assembled.*

Description – *Automatically populated with the “Description” defined in the item card.*

Job Reference No. – *Automatically populated if attached to the item on the item card. If the Job Reference No. is not attached in the item card the user would have to select the relevant job reference.*

T.E. Start Date – *The earliest date on which time entry could begin via Client Payroll Manager.*

T.E Close Date – *The final date on which time entry could be recorded via Client Payroll Manager*

Quantity – *The total order quantity that is to be assembled.*

Quantity to Assemble – *The quatity to be assembled at a single production run. The field is used to record the assembled quantity to be posted to the system.*

Customer No. – *Automatically populated if the item has been tagged with a customer in the item card. If the item has not been linked to a customer the user has the option of seleting a customer for the order.*

Unit of Measure Code – *Automatically populated based on the item card.*

Posting Date – *The system would use the poting date when transactions are posted through the assembly order.*

Due Date – *The date by which the order has to be completed*

Starting Date – *This field could be used by the user to indicate a starting date for the asssembly order. This is not a mandatory field.*

Ending Date – *This field could be used by the user to indicate an ending date for the asssembly order. This is not a mandatory field.*

Customer PO No. – *This field could be used to record the Customer PO no. if the order is being assembled to a specific customer PO.*

Closed – *When assembly oders are completed they could be marked as closed using this field.*

Order ID – *When an assembly order is synchronized with Client Payroll Manager an Order ID would be assigned by Client Payroll Manager and that ID would be displayed in this field.*

Location Code – *The location in which assembly would be performed.*

Once the information on the header is complete it is important to note that no information is required to be entered in the ***Lines*** section. The ***Lines*** section is automatically created by the system.



## Vertex Systems Assembly Management

The assembly order contains two sections of lines.

The **Estimate** section shows the estimated resource and component usage for the total order quantity based on the pre-defined assembly bill of material. The estimated cost for the assembly order would be derived from this section.

The **Usage** section is used to record the actual usage of components and labor on the assembly order. Note that the **Usage** section does not display any resources at the inception. This is because the labor usage is directly posted from **Client Payroll Manager** on to the assembly order. Furthermore the user does not have to enter consumption quantities on to the individual lines. When the user enters the **Quantity to Assemble** on the assembly order header the system automatically calculates the consumption quantities for the lines based on bill of material.

50071 · Wooden Alphabetical Blocks Wagon

General FWABW001 450 0 1/16/2018 1/16/2018

**Estimate**

Line Functions Find Filter Clear Filter

Type	S... N..	No.	Description	Location Code	Unit of Measu...	Quantity	Remaining Quantity	Quantity to Consume
Resource	01	ASMBLY	Attach Four Wagon Wheels		HR	7.5	7.5	0
Resource	02	ASMBLY	Attach Pull String To Wagon		HR	7.5	7.5	0
Resource	03	ASMBLY	Arrange Blocks In In Wagon Alphabetically		HR	37.5	37.5	0
Resource	04	ASMBLY	Pack The Wagon Into The Box		HR	37.5	37.5	0
Item		RWABW001	Wooden Wagon	INVENTORY	EA	450	450	0
Item		RWABW002	Wagon Wheels	INVENTORY	EA	1,800	1,800	0
Item		RWABW003	Wooden Letter Blocks	INVENTORY	EA	11,700	11,700	0
Item		RWABW004	Pull String	INVENTORY	EA	450	450	0
Item		RWABW005	Packaging Box	INVENTORY	EA	450	450	0

**Usage**

Line Functions Find Filter Clear Filter

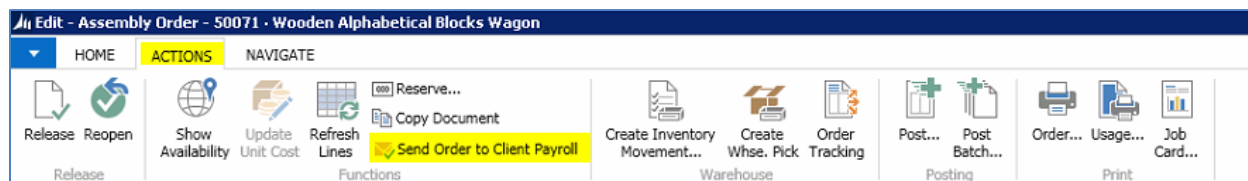
Type	Step No.	No.	Description	Location Code	Unit of Measu...	Quantity	Consumed Quantity	Quantity to Consume	Remaining Quantity
Item		RWABW001	Wooden Wagon	INVENTORY	EA	450	0	0	450
Item		RWABW002	Wagon Wheels	INVENTORY	EA	1,800	0	0	1,800
Item		RWABW003	Wooden Letter Blocks	INVENTORY	EA	11,700	0	0	11,700
Item		RWABW004	Pull String	INVENTORY	EA	450	0	0	450
Item		RWABW005	Packaging Box	INVENTORY	EA	450	0	0	450

Posting



## Synchronizing the Assembly Order with Client Payroll Manager

The Assembly Order after having been created in NAV requires to be synchronized with *Client Payroll Manager* before any posting takes place on the order. To synchronize the Assembly Order with *Client Payroll Manager* navigate as shown below.



This action would generate an *Order ID*

50071 - Wooden Alphabetical Blocks Wagon

General

No.:	50071	Unit of Measure Code:	EA
Item No.:	FWABW001	Posting Date:	1/25/2018
Description:	Wooden Alphabetical Blocks Wagon	Due Date:	1/31/2018
Job Reference No.:	99150-1	Starting Date:	1/31/2018
T.E. Start Date:	1/25/2018	Ending Date:	1/31/2018
T.E. Stop Date:	1/31/2018	Assemble to Order:	No
Quantity:	450	Customer PO No.:	CUST1358
Quantity to Assemble:	0	Status:	Open
Remaining Quantity:	375	Closed:	<input type="checkbox"/>
Assembled Quantity:	75	Order ID:	1531
Customer No.:	CS0001	Location Code:	INVENTORY

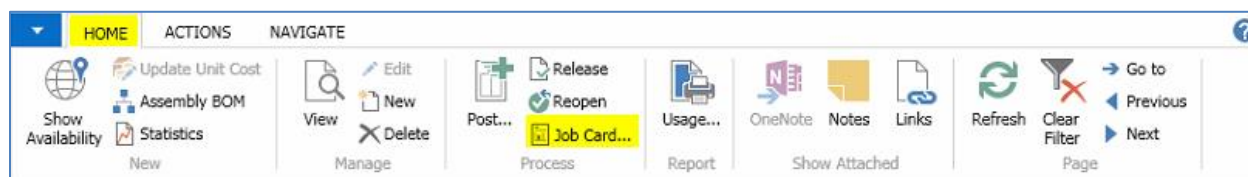
**Note:** If the order is not synchronized as shown above the order would not show up on the *Job* or the *Job Steps* in *Client Payroll Manager*. This would mean that the order would not show up for client time entry in *Client Payroll Manager*.



## Vertex Systems Assembly Management

### Generating the Job Traveler for the Assembly Order

Navigate as below to run the *Job Traveler*. The *Job Traveler* would contain all information relating to the assembly order.



1/26/2018 Page 1 of 3

**Vertex Industries**  
**Job Traveler**  
**Order No : 50071**

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<b>Job Name</b>	99150-Wooden Alphabet Blocks Wagon	<b>T.E. Start Date</b>	1/25/2018
<b>Customer</b>	Bridgestone Group	<b>T.E. End Date</b>	1/31/2018
<b>Customer No.</b>	CS0001	<b>Due Date</b>	1/31/2018
<b>Customer PO No.</b>	CUST1358	<b>Unit Rate</b>	1.98
<b>Location Code</b>	INVENTORY	<b>Estimated Hour</b>	0.200

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**Outputs**

Item ID	Description	Qty	UM	Revision
FWABW001	Wooden Alphabetical Blocks Wagon	450	EA	

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**Job Notes**

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**Components**

Sequence	Component ID	Description	Qty Per	UM	Total Qty	Actual Qty
10	RWABW001	Wooden Wagon	1.00	EA	450.00	
20	RWABW002	Wagon Wheels	4.00	EA	1800.00	
30	RWABW003	Wooden Letter Blocks	26.00	EA	11700.00	
40	RWABW004	Pull String	1.00	EA	450.00	
50	RWABW005	Packaging Box	1.00	EA	450.00	

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**Operations**

<b>Sequence</b>	<b>60</b>	<b>Attach Four Wagon Wheels</b>	<b>WC/Machine : ASMBLY</b>					
<b>Operation No.</b>	<b>01</b>	<b>Prevailing Wage Type : Wage Rate 9.00</b>						
<b>Cycle Time</b>	<b>Current Wage Basis</b>	<b>Labor Rate</b>	<b>Operation Per</b>	<b>Time Study Rate</b>	<b>Labor Hrs</b>	<b>Est. Labor Hour</b>	<b>Act. Labor Hr.</b>	
	9.00	0.00063	4.00	240.00	0.01667	7.50		
<b>Quality Signoffs</b>	<b>Worker</b>	<b>Date</b>	<b>QA</b>	<b>Date</b>	<b>First PC</b>	<b>Completions</b>	<b>Finished</b>	

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**Notes**

Check the wheels for defects. Make sure the paint is not scratched.



## Assembly Order Posting

Assume a quantity of 75 is assembled for the said order. This would be entered as the **Quantity to Assemble** on the assembly order header. The system would automatically calculate the **Quantity to Consume**.

### 50071 · Wooden Alphabetical Blocks Wagon

General

No.:

50071

Unit of Measure Code:

EA

Item No.:

FWABW001

Posting Date:

1/25/2018

Description:

Wooden Alphabetical Blocks Wagon

Due Date:

1/31/2018

Job Reference No.:

99150-1

Starting Date:

1/25/2018

T.E. Start Date:

1/25/2018

Ending Date:

1/31/2018

T.E. Stop Date:

1/31/2018

Assemble to Order:

No

Quantity:

450

Customer PO No.:

CUST1358

Quantity to Assemble:

75

Status:

Open

Remaining Quantity:

450

Closed:

☐

Assembled Quantity:

0

Order ID:

1531

Customer No.:

CS0001

Location Code:

INVENTORY

Estimate

Line

Functions

Find

Filter

Clear Filter

Type	S... N..	No.	Description	Location Code	Unit of Measu...	Quantity	Remaining Quantity	Quantity to Consume
Resource	01	ASMBLY	Attach Four Wagon Wheels		HR	7.5	7.5	1.25
Resource	02	ASMBLY	Attach Pull String To Wagon		HR	7.5	7.5	1.25
Resource	03	ASMBLY	Arrange Blocks In In Wagon Alphabetically		HR	37.5	37.5	6.25
Resource	04	ASMBLY	Pack The Wagon Into The Box		HR	37.5	37.5	6.25
Item		RWABW001	Wooden Wagon	INVENTORY	EA	450	450	75
Item		RWABW002	Wagon Wheels	INVENTORY	EA	1,800	1,800	300
Item		RWABW003	Wooden Letter Blocks	INVENTORY	EA	11,700	11,700	1,950
Item		RWABW004	Pull String	INVENTORY	EA	450	450	75
Item		RWABW005	Packaging Box	INVENTORY	EA	450	450	75

Usage

Line

Functions

Find

Filter

Clear Filter

Type	Step No.	No.	Description	Location Code	Unit of Measu...	Quantity	Consumed Quantity	Quantity to Consume	Remaining Quantity
Item		RWABW001	Wooden Wagon	INVEN...	EA	450	0	75	450
Item		RWABW002	Wagon Wheels	INVENTORY	EA	1,800	0	300	1,800
Item		RWABW003	Wooden Letter Blocks	INVENTORY	EA	11,700	0	1,950	11,700
Item		RWABW004	Pull String	INVENTORY	EA	450	0	75	450
Item		RWABW005	Packaging Box	INVENTORY	EA	450	0	75	450

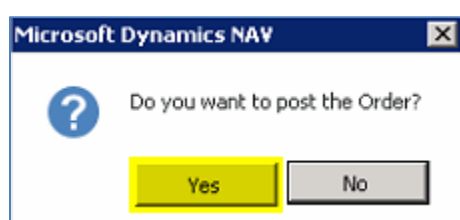


## Vertex Systems Assembly Management

Subsequently the assembly order requires to be posted. For this click on the **Post** button by navigating as below.



The system would request to confirm the action. When the action is confirmed the posting would take place.



Likewise multiple partial postings could be carried out against an assembly order based on the production runs.

**Note:** The posting would consume components and produce assembled finished goods. No labor would get posted at this point. Labor would be posted only when the time transactions from *Client Payroll Manager* are synchronized to NAV.

The *Usage* lines would now indicate the posting carried out.

Usage									
Type	Step No.	No.	Description	Location Code	Unit of Measu...	Quantity	Consumed Quantity	Quantity to Consume	Remaining Quantity
Item		RWABW001	Wooden Wagon	INVENTORY	EA	450	75	0	375
Item		RWABW002	Wagon Wheels	INVENTORY	EA	1,800	300	0	1,500
Item		RWABW003	Wooden Letter Blocks	INVENTORY	EA	11,700	1,950	0	9,750
Item		RWABW004	Pull String	INVENTORY	EA	450	75	0	375
Item		RWABW005	Packaging Box	INVENTORY	EA	450	75	0	375

Since this is an initial posting through NAV it only shows the component usage. Once time is entered in Client Payroll Manager and synchronized to NAV the resource usage would also appear in the *Usage* section.



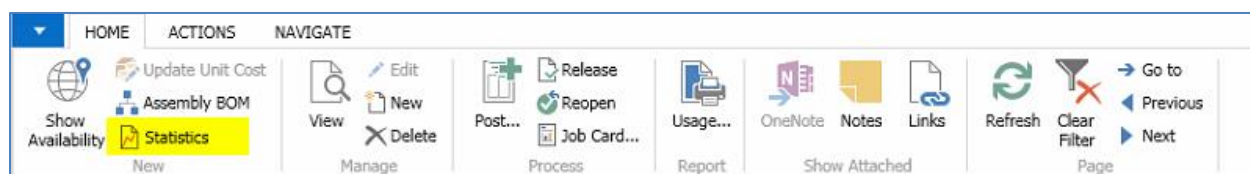


## Vertex Systems Assembly Management

Usage											
Type	Step No.	No.	Description	Location Code	Unit of Measu...	Quantity	Consumed Quantity	Quantity to Consume	Remaining Quantity	Pieces	Direct Labor Cost
Item		RWABW001	Wooden Wagon	INVENTORY	EA	450	75	0	375		0.00
Item		RWABW002	Wagon Wheels	INVENTORY	EA	1,800	300	0	1,500		0.00
Item		RWABW003	Wooden Letter Blocks	INVENTORY	EA	11,700	1,950	0	9,750		0.00
Item		RWABW004	Pull String	INVENTORY	EA	450	75	0	375		0.00
Item		RWABW005	Packaging Box	INVENTORY	EA	450	75	0	375		0.00
Resource	01	DIR LAB	Direct Labor		HR	0.5	0	0.5	0.5	75.00	2.82
Resource	02	DIR LAB	Direct Labor		HR	1.5	0	1.5	1.5	75.00	11.25
Resource	03	DIR LAB	Direct Labor		HR	0.5	0	0.5	0.5	75.00	2.17
Resource	04	DIR LAB	Direct Labor		HR	6.5	0	6.5	6.5	75.00	56.25

Click the **Post** button and the resource usage would get committed to NAV and the relevant cost would get updated on to the assembly order.

The order status in terms of costing could be analyzed by clicking on the **Statistics** button.



Edit - Assembly Order Statistics - 50071 · Wooden Alphabetical Blocks Wagon						
HOME						
View	Edit	Refresh	Clear Filter	Go to	Previous	Next
Manage						
Page						
50071 · Wooden Alphabetical Blocks Wagon						
	Bid Cost	Standard Cost	Estimated Cost	Actual Cost	Dev. %	Variance
Material Cost:	45.00	45.00	45.00	45.00	0	0.00
Resource Cost:	135.00	135.00	135.00	72.49	-46	-62.51
Resource Overhead:	13.50	13.50	13.50	36.25	169	22.75
Assembly Overhead:	0.00	0.00	0.00	0.00	0	0.00
Total Cost:	193.50	193.50	193.50	153.74	-21	-39.76



## Closing the Assembly Order

Once the assembly order is completed it requires to be closed so that it does not appear as an open assembly order. To close an assembly order place a check mark as shown below.

50071 · Wooden Alphabetical Blocks Wagon

General

No.:	50071	Unit of Measure Code:	EA
Item No.:	FWABW001	Posting Date:	1/25/2018
Description:	Wooden Alphabetical Blocks Wagon	Due Date:	1/31/2018
Job Reference No.:	99150-1	Starting Date:	1/31/2018
T.E. Start Date:	1/25/2018	Ending Date:	1/31/2018
T.E. Stop Date:	1/31/2018	Assemble to Order:	No
Quantity:	450	Customer PO No.:	CUST1358
Quantity to Assemble:	0	Status:	Open
Remaining Quantity:	375	Closed:	<input checked="" type="checkbox"/>
Assembled Quantity:	75	Order ID:	1531
Customer No.:	CS0001	Location Code:	INVENTORY

## Navigating history

History in relation to an assembly order could be viewed by navigating as below. The posted orders and entries could be viewed.

HOME ACTIONS NAVIGATE

Event Period Variant Location BOM Level Item Availability by Assembly BOM Dimensions Item Tracking Lines Item Comments Statistics Pick Lines/ Movement Lines Registered Pick Lines Registered Invt. Movement Lines Asm.-to-Order Whse. Shpt. Line Warehouse

50071 · Wooden Alphabetical Blocks Wagon

General

No.:

Item No.:

Unit of Measure Code:

Posting Date:

Entries

Posted Assembly Orders

Item Ledger Entries

Capacity Ledger Entries

Resource Ledger Entries

Value Entries

Warehouse Entries

Reservation Entries

For further information contact Vertex Support at (800) 536-3427 or [support@vertexsystems.com](mailto:support@vertexsystems.com).