

Binsense User Guide

EXTERNAL

1. Introduction

The BinSense frame does not have a monitor attached to it like our other products and is only available using WebSync. To create the frame, assign Items (etc) will be done via WebPortal when the correct license has been applied as the VMI functionality is licensed.

This document will go through the BinSense functionality step by step covering: frame creation, changing bin sizes, assigning/un-assigning Items to lanes, completing Inventory Adjustments to bins as well as placing and receiving orders.

1.1 Issue Control

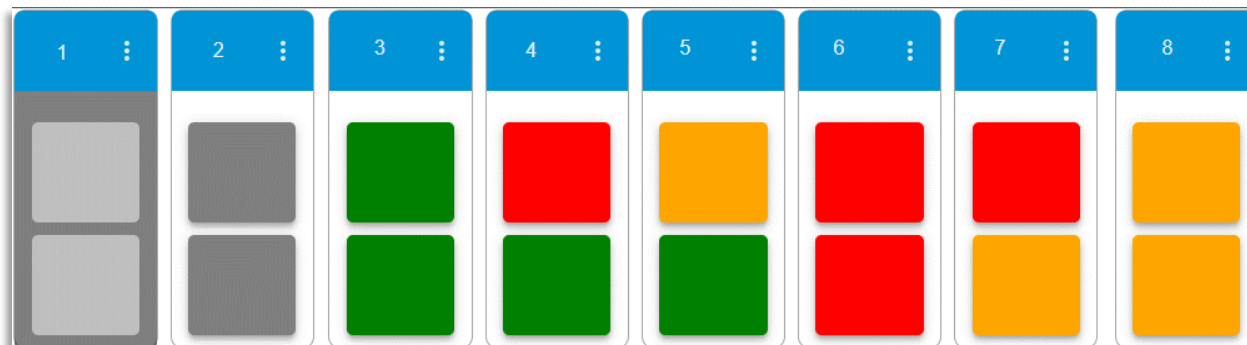
Issue	Date	Author	Notes
1 Draft A	04 SEP 2018	HG	Initial release
1 Draft B	8 Nov 2018	RK	Edits made

2. Frame Overview

A Binsense frame is made up of 6 shelves with a maximum of 12 lanes per shelf. There are three different bin sizes; small, medium or large. A shelf can be configured with a mixture of bin sizes in no specific order providing the bins physically fit on the shelf.

In Websync, a lane is made up of two 'bins' which are coloured accordingly:

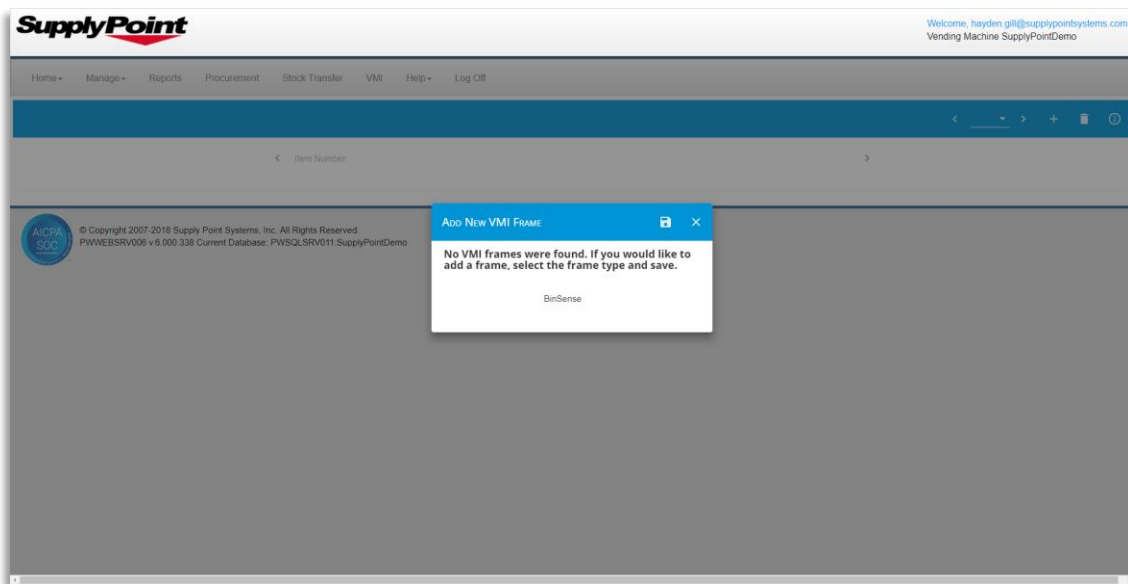
Colour	State
Light Grey	Disabled
Dark Grey	Not Configured
Green	Fully Stocked
Red	Out of Stock
Amber	On Order



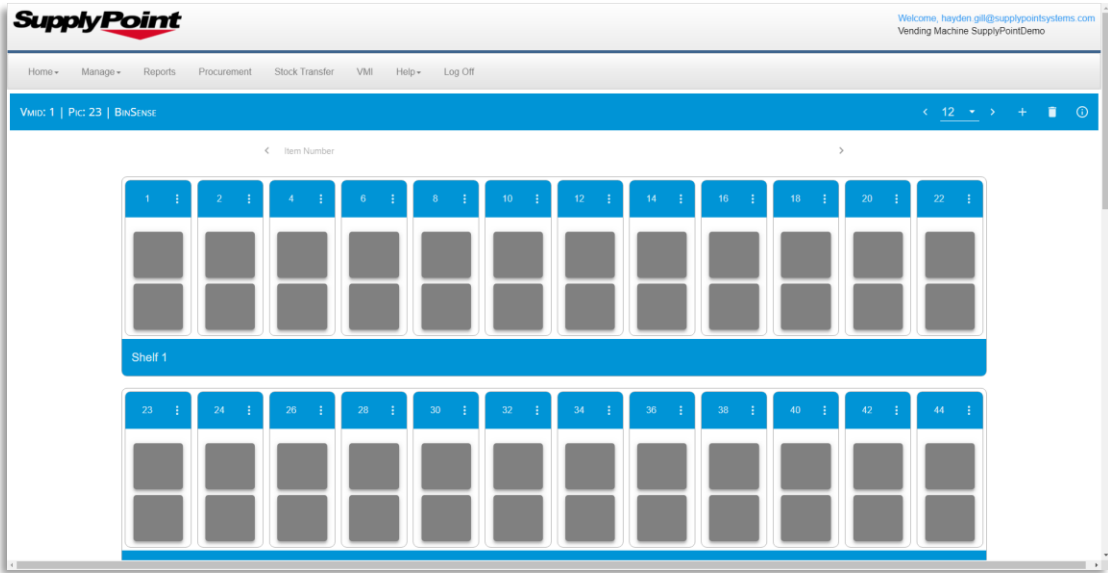
3. Create a BinSense Frame

When creating a BinSense frame, a single frame of 6 shelves with 12 small bins assigned to each shelf will be created.

1. Login to WebPortal via WebSync ensuring the VMI licence file has been assigned to your database.
2. Looking at the home page of WebPortal, select 'VMI' button from the navigation button. A window will appear informing you that there are currently no VMI frames created. Select 'BinSense' then select the save icon.



3. The frame will appear displaying 6 shelves with; 2 shelves of small bins, 2 shelves of medium bins and 2 shelves of large bins.



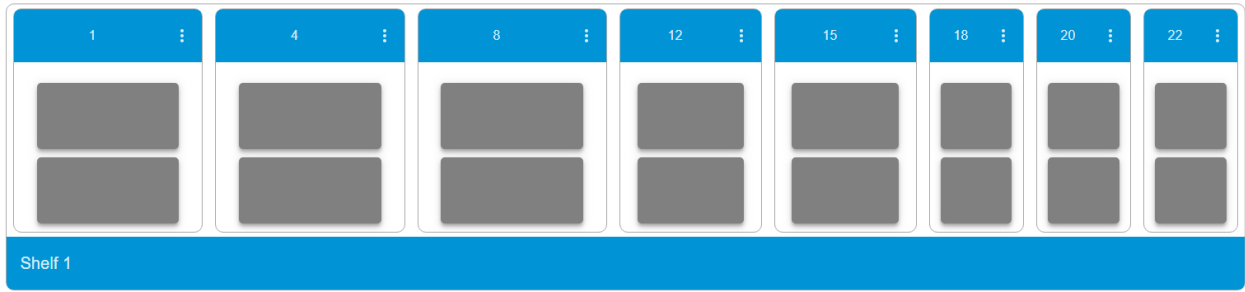
4. Changing Bin Sizes

There are three different bin sizes; small, medium and large, the medium bin is 1.5 times the size of the small bin, while the large bin is 2 times the size. You’re able to have a maximum of; 12 small, 8 medium or 6 large bins per shelf although you can mix and match the bins on a shelf providing you can physically fit the bins on the shelf.

To calculate what bin configuration you’re allowed, you can have 24 or less bins per shelf giving the bin sizes the following numbers:

- Small = 2
- Medium = 3
- Large = 4

For example you could configure a shelf to have 3 large (12), 2 medium (6), 3 small (6) giving a total of 24.



To change the size of the bin;

- Select the three dots located in the top right corner of the lane
- Scroll down to the bottom of the following dialog
- Select the bin size drop-down
- Select the size required
- Select Save

LANE #36 (SHELF #2) CONFIGURATION

ASSIGN ITEM +/- 🔒 ✕

Last Scanned

Qty Per Bin

1

Lane Description

Bin Size

Small

5. Assign an Item

Items are assigned to lanes, you're unable to change the size of a lane once an Item has been assigned.

- Select the three dots located in the top right corner of the lane
- Select Assign Item
- Using the drop-down list, select the Item then select save
- *If the incorrect Item has been selected, Select 'Change Item' to select a different Item*
- Populate the Qty Per Bin field
- Select Save to assign the Item

LANE #34 (SHELF #2) CONFIGURATION

CHANGE ITEM +/-

Item Number001

Item DescriptionWashers

Last Scanned

Qty Per Bin1000

6. Inventory Adjustment

Once you have assigned an Item to a lane, the Item will be set to Out of stock (bins Red), to change the stock to be correct you will need to do an Inventory Adjustment (IA). You may also want to complete and IA if stock on the frame does not match the stock you see in Portal due to frame misuse etc.

- Select the three dots located in the top right corner of the lane
- Select the +/- icon located in the header

A modal will appear with the two bins and their current state for example; both bins Red (Out of Stock). Change the lane to match the physical stock you on have on frame using the buttons displayed. Once you have configured the lane to the correct state, select Save to keep the changes.

Once you navigate back to the VMI Configuration page, the lane will update displayed your new stock based on the IA you’ve carried out. After completing a sync cycle, the physical frame will update.

LANE #44 (SHELF #2) INVENTORY ADJUST LANE 44(LANE 44)

SAVE X +/-

Item Number001

Item DescriptionWashers

Last Scanned

Qty Per Bin1

FRONT BIN FULL

BINS EMPTY

BINS FULL

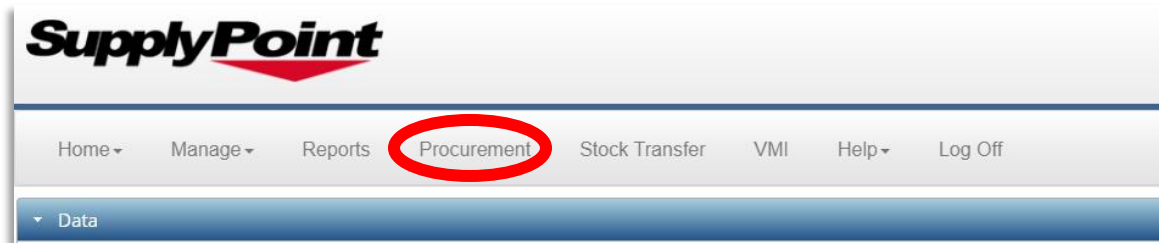
7. Placing an Order

Orders can be sent manually through Transmit Order or they can be sent automatically using the Task Scheduler feature.

Note: To ensure the BinSense frame and the VMI Configuration page updates as required, when ordering Items that are assigned to a BinSense frame you must use the Order File Format 'GENVMI'. If this format is not used, the order will still be generated but the VMI Config page and the physical frame will not update.

This can be configured in: Suppliers > Location assignments.

7.1 Transmit Order



- Navigate to Procurements
- Select 'Transmit Order'
- Select a Supplier from the drop-down list
- Select the relevant VMID

The screenshot shows the 'Procurement Transmit Order' form. The 'Supplier' dropdown is set to 'Test supp (Test supp)' and the 'Location/VM' dropdown is set to 'BinSense'. The 'Transmit Order' button is circled in red. The form includes fields for PO Number, Release Number, Order File Format 1, Template 1, Order File Format 2, and Template 2. It also has sections for Header Notes (Printed) and Header Notes (Hidden). The 'Items to Order' table is visible at the bottom.

Number	Description	Qty On Hand	Used Qty	Order Qty	Unit of Measure	Unit Cost (Current)	Ext Cost	Packet Size	Order in Package Qty	Max Qty	Supplier Part Number	Alias	Notes	Hidden Notes
4293	Screws	0	0	12	each	0.0000	0.00	1	0	12	SPN001			
	Test Item	0	0	9	each	1.2500	11.25	1	0	12				

Total Cost: £11,25

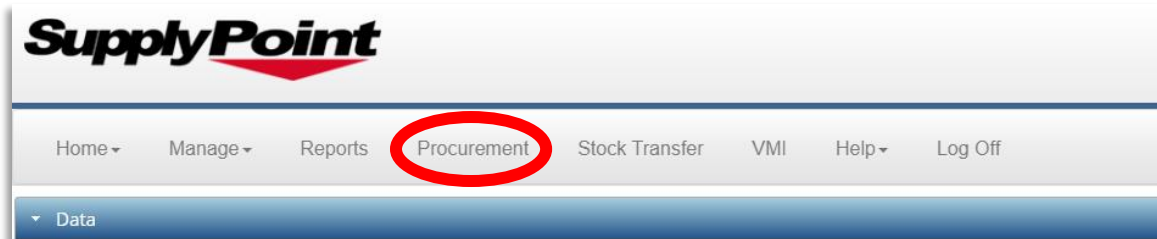
Items that are ready to be ordered against the selected VMID will appear in the bottom pane of the window. You're able to select which Items you'd like to order by selecting the check-box located to the left of the Item record.

Select the 'Transmit Order' button to place the order.

The relevant files will be sent based on the Transmission Settings and the order can be received.

7.2 Task Scheduler

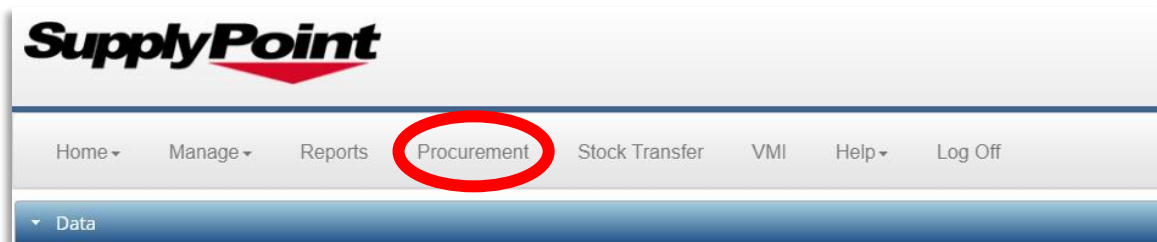
You can use the Task Scheduler feature to run Reports or send Orders at set days and time using Transmission Templates that have been assigned to a Supplier.



- Select 'Procurement' > 'Transmission Settings' > 'Task Scheduler'
- Select 'Add New' icon in the page header
- Select the Suppliers tab
- Choose the relevant Supplier and VMID
- Configure the times you wish to run the order and select 'Save'

8. Receive Orders

Once an order has been placed, you will either need to receive or close the order for the relevant Items.



Navigate to Procurements

Select 'Receive Items'. A list of open orders will appear, displaying the PO number, Release Number and the VMID.

Select the 'Receive Items' link located to the left of an order line, this will display the Items that make up the selected order.

Purchase Orders					
	PO Number	Release Number	Vending Machine ID	Supplier Number	Order Date
Receive Items	PO001	010	1	1	7/9/2018 11:08:04 AM
	PO001	011	1	1	9/19/2018 3:08:47 PM
Receive Items	PO001	012	1	1	9/25/2018 11:58:42 AM

- Select the check box located to the left for Items you want to receive.
- Select the check box under 'Close Line' for any Items that need to be cancelled.

- Select the 'Receive Items' button to receive or close the order.

9. VMI LED Meanings

Lane State	LED Color	Meaning
1:OK	Steady Green	Both bins full, nothing on order.
2:BinInUse	Green Flash	Lane is in use. Debounce timer is running
3:LowZeroOnOrder	Amber Flash	One bin empty, nothing on order.
4:LowOneOnOrder	Steady Amber	One bin empty, one bin on order.
5:OutZeroOnOrder	Red Flash	Two bins empty, nothing on order.
6:OutOneOnOrder	Alternating Red and Amber	Two bins empty, one bin on order.
7:OutTwoOnOrder	Steady Red	Two bins empty, two bins on order.
8:AwaitingConfiguration	Green Flicker	Lane is awaiting configuration from API site.
16:DividerNotFitted	Amber Flicker	Lane is unplugged.
17:DividerBroken	Amber Flicker	Lane is faulty, and should be replaced.
18:Lane5VFault	Red Flicker	Lane has an electrical fault.

Notes:

- Flash means LED comes on once per second. Flicker is twice a second.
- If an LED is off, either (most likely to least likely): No item is assigned to the lane, the lane is disabled through the Portal VMI Configuration page, or by a hardware fault.