



BWW Vertical Smart Conveyor Quick Start Guide

Send Trays from 1st Floor

! IMPORTANT

Trays should **ONLY** be placed on upper Conveyor Belts. Ensure no items extend past the edges of the tray or above 10" in height. Failure to do so may result in blockage or damage to the unit.

1. Place ready order on tray and set tray on **Upper Buffer Conveyor**. Push tray fully into the Conveyor so back of tray touches back of Conveyor.

NOTE: See provided orientation pages for correct tray orientation. It is **CRITICAL** to place tray in correct orientation.

2. The unit will automatically center the tray on the Conveyor. Once centered, the tray will be transported to the 2nd floor. Status of Tray can be viewed on the HMI screen.

NOTE: When multiple trays are present in the Conveyor, the trays will be queued within the system. Each tray will be transported one at a time from one Buffer Conveyor to the other.

NOTE: If additional trays are within the second floor Buffer Conveyor, the most recent tray will be queued behind existing trays. When trays are removed, all queued trays following will automatically be moved forward.

3. Remove the tray from the second floor Upper Buffer Conveyor Belt. If additional trays are present, those trays will automatically be moved forward.

Send Bus Tubs from 2nd Floor

! IMPORTANT

Bus tubs should **ONLY** be placed on lower Conveyor Belts. Do not overfill bus tubs. Do not allow items to hang over edges of bus tubs. Failure to do so may result in blockage or damage to the unit.

! WARNING

Dishes and items in bus tubs should not extend beyond edges of bus tub or above lip of bus tub. Failure to ensure all items stay within the confines of the bus tub may result in blockages within the unit.

1. With silverware compartment facing away from Conveyor, place filled bus tubs to be returned to the first floor on the **Lower Buffer Conveyor**. Push bus tub fully into the Conveyor so back of bus tub touches back of Conveyor.

NOTE: See provided orientation pages for correct bus tub orientation. It is **CRITICAL** to place bus tubs in correct orientation.

2. The unit will automatically center the bus tub on the Conveyor. Once centered, the bus tub will be transported from the 2nd floor to the 1st floor. Status of bus tubs can be viewed on the HMI screen.

NOTE: When multiple bus tubs are present in the Conveyor, the bus tubs will be queued within the system. Each bus tub will be transported one at a time from one Buffer Conveyor to the other.

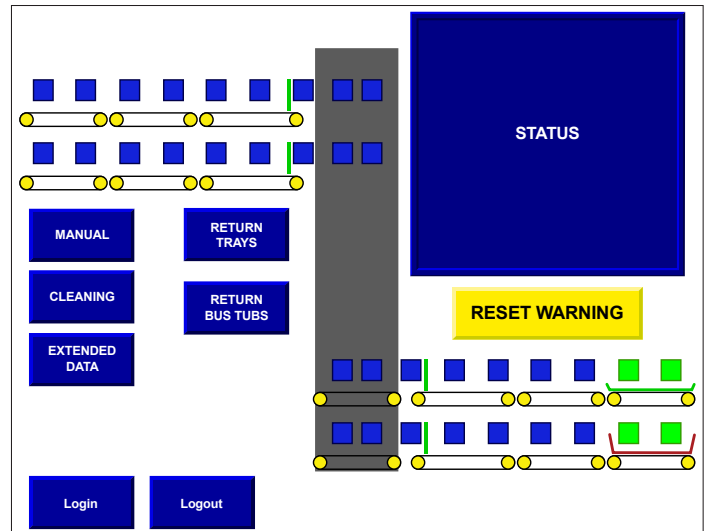


Figure 1. HMI Home Screen

NOTE: If additional bus tubs are within the first floor Buffer Conveyor, the most recent bus tub will be queued behind existing bus tubs. When bus tubs are removed, all queued bus tubs following will automatically be moved forward.

3. Remove the bus tub from the first floor Buffer Conveyor Belt. If additional bus tubs are present, those bus tubs will automatically be moved forward.

NOTE: Use proper bending techniques when removing bus tubs from lower Conveyors, as bus tubs may be heavy. Failure to do so may result in bodily injury.

Return Trays or Bus Tubs

To return trays or bus tubs, the unit must be emptied of any current or prior orders.

NOTE: When in return mode, trays will change from green to black and bus tubs will change from red to black.

1. To return trays, place the tray to be returned on the second floor upper Buffer Conveyor.

To return bus tubs, place the bus tub to be returned on the second floor lower Buffer Conveyor.

2. The unit will automatically center the tray/bus tub on the Buffer Conveyor Belt.
3. To return trays, select "Return Trays" on the HMI home screen (Figure 1).

To return bus tubs, select "Return Bus Tubs" on the HMI home screen (Figure 1).

This allows the unit to transport a tray or bus tub on the appropriate Conveyors from the second floor back to the first floor. Once selected, the button will turn green and say "End Return".

4. To resume normal operations, select "End Return". The unit will return to standard functions.

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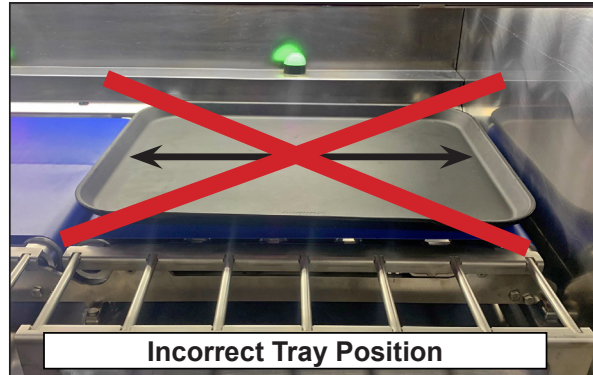
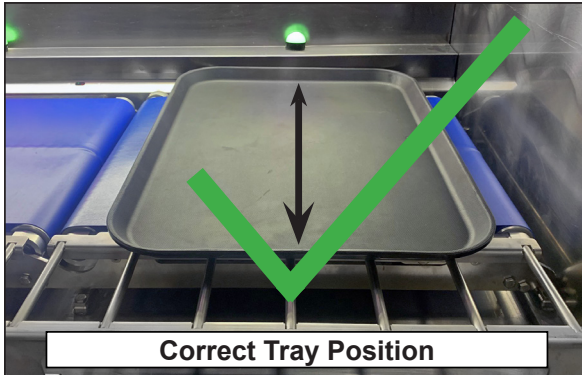
The unit has two types of indicator lights. Each color of the lights indicate the current status. The first set of indicator lights are located inside the buffer unit directly behind the conveyor belts. Light colors are:

- **Green:** Unit is operational and ready to have tray/tub placed or removed.
- **Yellow:** Unit is operational and currently moving.
- **Red:** Unit is not operational due to error or other stoppage (such as E-stop being engaged).

The second set of indicator lights are the remote indicators away from the unit over the bar. Light colors are:

- **Green:** Unit is operational, upper buffer conveyors are empty.
- **Yellow:** Unit is operational with tray(s) of food waiting to be removed from upper buffer.
- **Yellow blinking:** Unit is operational but upper buffer is full. Remove trays to clear.
- **Red:** Unit is not operational due to error or other stoppage (such as E-stop being engaged).

CLEAN TRAY ORIENTATION



DIRTY BUS TUB ORIENTATION

