MRS Overhead View ( OVHV ) Help

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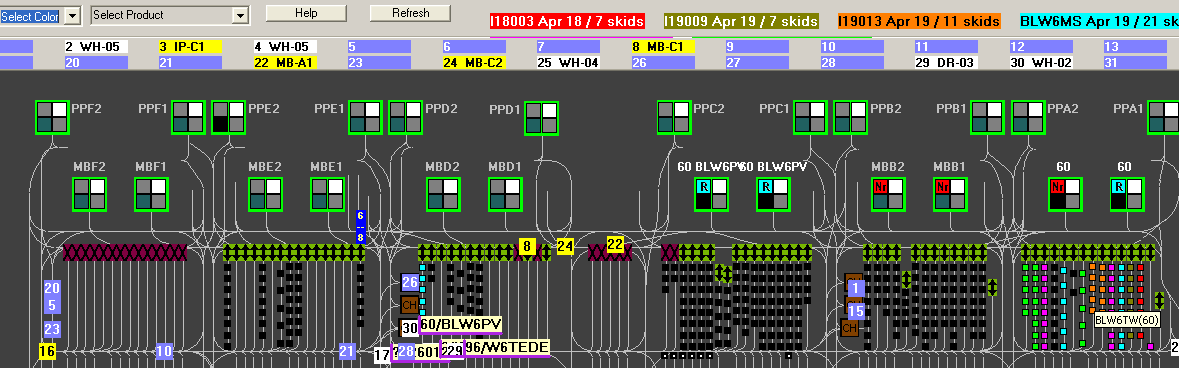
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# Lanes

## Skids in Lanes:

Lanes show skids collections in real-time. Each **Skid** by default represented by a black square. Skids are placed proportionally to lane load capacity, so the MR can visually extrapolate what the lane capacity is.



One can assign a color to a product – this will paint all the product **Skids** on the floor with the same color.

The color label on the top of the screen also provides a count of all the product skids.

## Lane Handle:

**Lane Handle** located at the end of the lane, and features either **Enabled** or **Disabled** lane icon.



Moving a cursor over a **Lane Handle** will show the Lane Name and Lane ID.

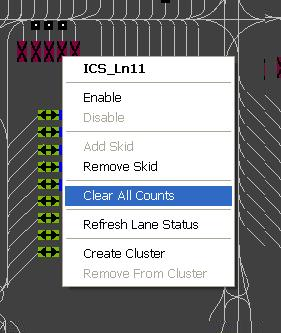


**Selected Lane information** is available by double-clicking on a **Lane Handle**:



## Lane Menu:

Right click on the **Lane Handle** brings up context sensitive menu for the Lane.

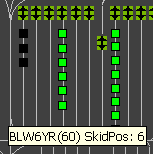
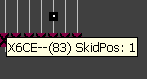


These menu choices allow single click **Enable/Disable** lane functionality, plus the ability where applicable to **Add** or **Delete** a load.

# Skids

## Product Code and Bundle Count:

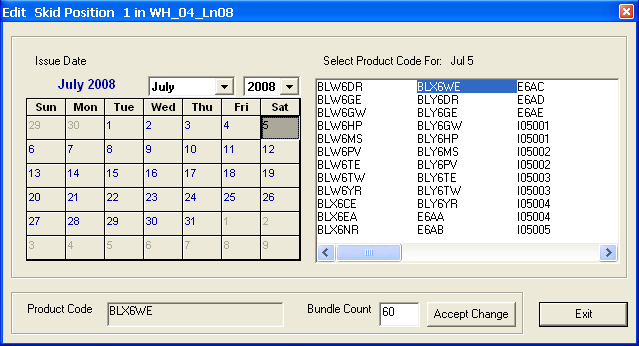
Moving cursor over a **Skid** will show Product Code and Bundle Count.

Head Skids identified by the dot inside of the Skid image.

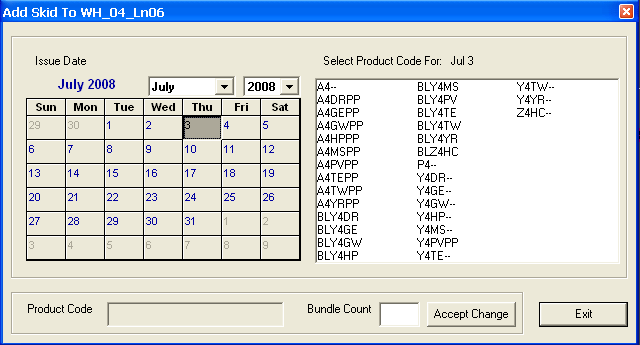
## Edit Skid Dialog:

Right clicking on a **Skid** brings up an **Edit Skid dialog** where Skids’ Product Code along with its’ Bundle Count can be edited from.



## Adding a Skid to a Lane:

A similar dialog is provided when MR wants to **Add** a **Skid** to a **Lane**:



# AGVs

## AGVs 3 color scheme:

**Light Purple** color indicates that an **AGV** has no current job;

**Yellow** means that an **AGV** has a job and going to pick up a load;

**White** means that an **AGV** loaded and is heading to its’ drop position

**Orange** means that an **AGV** is charging or going to be charging.

 Loaded **AGV**s drag a tag combining **BundleCount** and **ProductCode**.

If you see a “**?**” in **BundleCount** space, it means that OVHV has no info on the **Bundle Count** yet.

## AGV Status:

Each **AGV** has a **Box** at the top of the screen showing its’ status, and next destination, if applicable



*Below there are a few samples describing various* ***AGV*** *states.*

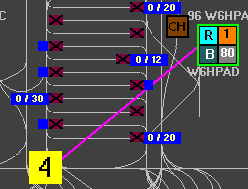
  Here AGV 5 is loaded but will requires a charge.

  Here AGV 12 moving to Pick Up a load.

  Here AGV 10 is loaded and delivering OK.

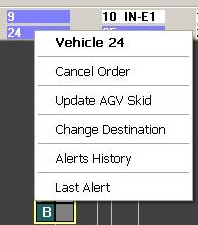
  Here AGV 3 is charging.

**Double Clicking on AGV Box** will magnify the **AGV** and will show an arrow to the next position if **AGV** has a destination.



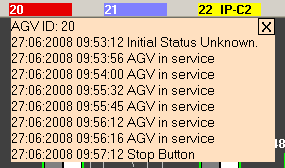
## AGV Menu:

**Left clicking on AGV Box** brings up an up context sensitive menu for the **AGV**.

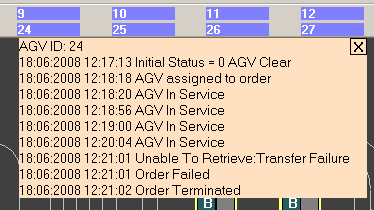


## AGV Alert States:

If **AGV** changed color to Red, Magenta, Green, Brown or Dark Purple you can check the **history of the AGV** to identify **AGV** issues.

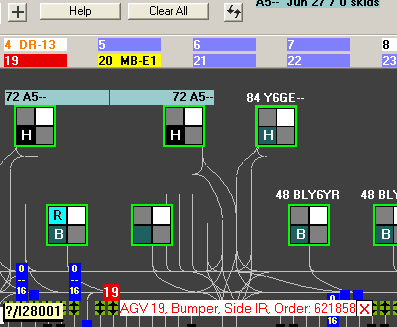
 

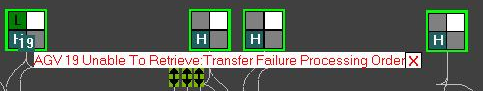




## Alert Message:

**Alert Message** pops up next to **AGV** to display any serious issues with it.





## Changing AGV destination:

You can **change AGV destination** by clicking “Change Destination” menu item.

The dialog whit all available destinations will show up.



## Useful AGV Tips:

1. To change Order destination you can simply Drag And Drop **AGV Box** to a **Lane Handle**.

2. You can generate **New Order** by Dragging And Dropping any **Skid** directly to a **Lane Handle**.

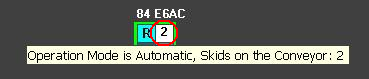
# Machines

## Moving cursor over Machine Image:

**Machines** (PressPaletizer, InserterPaletizer, ManualBailout) are represented by an image similar to the one below.



Moving cursor over any quadrant will show an explanation for the current depiction.

## Automation Level:

Green or Yellow frame around **Machine** represents **Automation Level** for this **Machine**.

Green means Automation is ON.

Yellow means Automation is Off.

## Active Product:

Label at the top of the machine represents **Active Product** for **Machine**



## Product for Pick Up:

Label at the bottom of the **Machine** represents **Product** on the **Pick Up Position**.

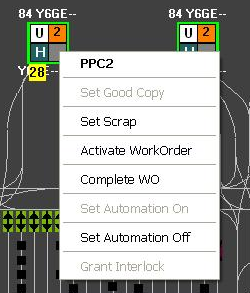
## Useful Machine Tips:

Use this Legend to familiarize yourself with **Machine** states. The Legend is available by pressing **Help button**.



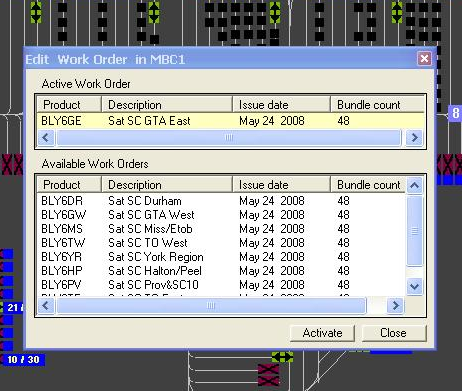
## Machine Menu:

Right Click on any quadrant in **Machine** will bring up a context sensitive menu for the **Machine**.



## Edit WO dialog:

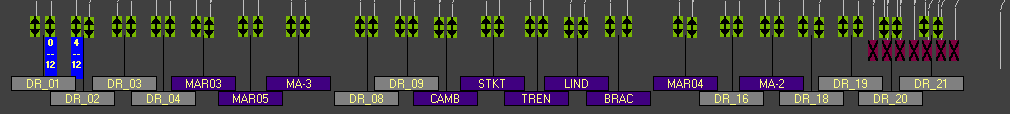
Pressing Activate WorkOrder menu item will pop up the Edit WO dialog. You can select any available WO and activate it on the **Machine**.



# Doors

## Loading Trucks:

**Doors** display Loading Truck names on Purple background. Doors without display **Door** name on grey background.



## Door Menu:

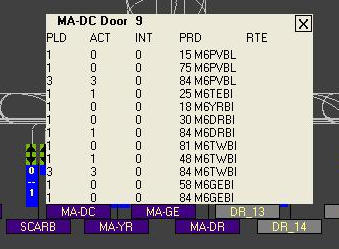
Right click on the **Door** image brings up context sensitive menu for the door.



Note: Activate/Deactivate truck functions are not yet implemented.

## Load Info:

**Planned Load** info is available by double clicking on the **Door**.



# Clusters

## Cluster tag:

**Clusters** are shown as blue rectangles (**Cluster Tag**) attached to some **Lane Handles**. Since a **Cluster** can span a number of Lanes, only one **Lane** of each **Cluster** has a longer tag, which has total of planned and delivered counts displayed.



To learn which lanes belong to ‘this’ **Cluster** click on any **Cluster Tag**, then all the **Cluster Tags** belonging to this **Cluster** are highlighted – shown with lighter blue color.

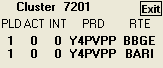


## Cluster Info:

Moving cursor over **Cluster Tag** will show Lane Name, Cluster ID, total of planned and total of delivered counts



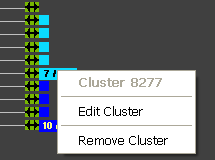
Double-Clicking on any **Cluster Tag** will display the **Cluster** info for a few seconds:



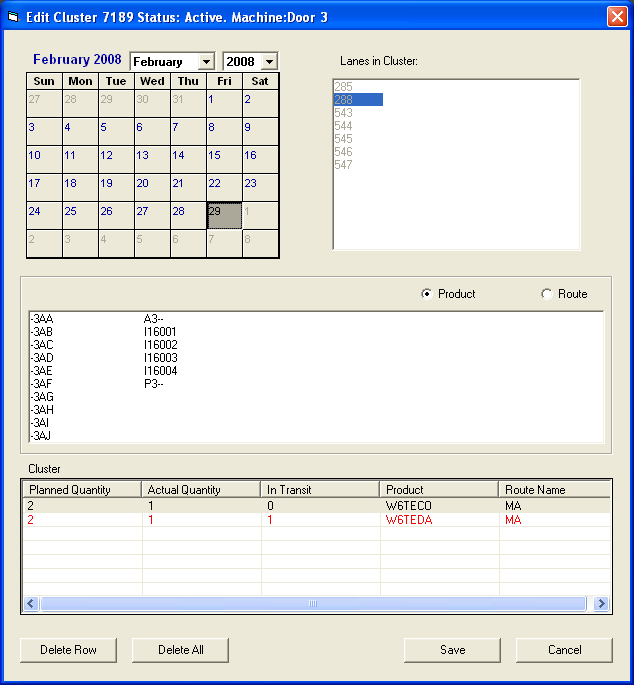
When an **AGV** delivers to a **Lane** which belongs to a **Cluster** a PopUp as above is also shown for a few seconds –just to confirm the counts for the delivery.

## Cluster Menu:

Right click on the **Cluster Tag** opens up the **Cluster** context menu. The Menu allows users to **Edit** or **Remove** a **cluster**.



## Editing Cluster:

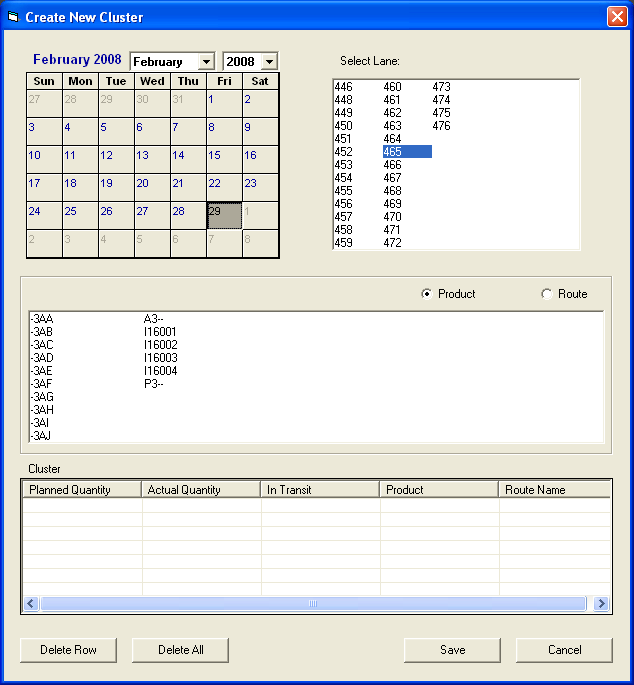


Just update **Products** and/or **Routes**, and **Skid Counts** as needed, and press **Save** button.

## Adding New Cluster:

To Add a New Cluster, select Create Cluster from Lane Handle menu:

Then highlight all desired Lanes, select Products and/or Routes, enter Skid Counts as needed, and press Save button.



## 

## Adding Lane To Cluster:

To add a lane to a **Cluster**, the target **Cluster** should be selected first, than desired **Lane Handle** can be dragged and dropped straight onto the **Cluster Tag**.

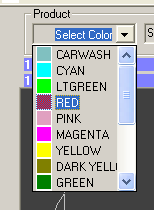
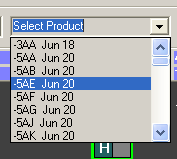
# Setting Visual Product Attributes

## Selecting Products:

This OVHV functionality is there to help MR track inventory using visual attributes.

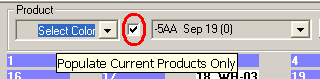
To attach a color to a **Product** select **Product** and **Color** from comboboxes below.

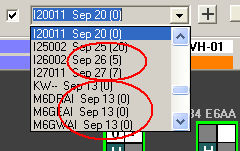


## Using Current Products Only checkbox:

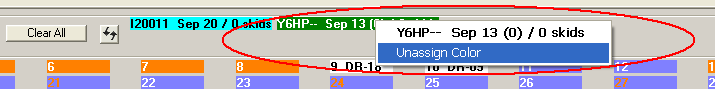
When the CheckBox is checked ProductCombo will only list Current Products:



 If today is September 13 then all **Products** with **Issue Date** **earlier** then today are not included in the **ComboBox.**

## Removing Selected Product Labels:

You can Remove Selected Product Label by selecting **Unassign Color** menu item from **Action** menu.



## Tracking Old Products:

Selecting **Highlight Old Products** from **Action** menu will instantly color all Old Products **Skids** RED.

**To undo this action select** Unhighlight Old Products **menu item.**

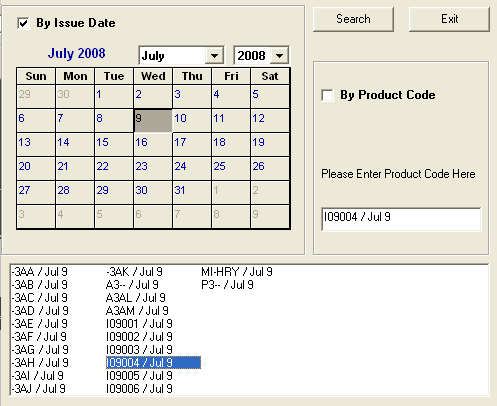




## Adding Products to Product Combo:

If Product is not in the Product Combo then press “ **+** “ button to select the required product from the list:





Search for **Product** by **Issue Date** or by **Product Code** and simply Double Click on it. The selected Product Code will be automatically added to a **Products** combo box, all you need to do just select a color from Colors combo box.

# Refresh the Screen button

Since OVHV is not automatically refreshed by MRS in All possible cases MR will need to synchronize OVHV manually from time to time. Pressing **Refresh** button will update all OVHV objects from MRS Data Storage.

