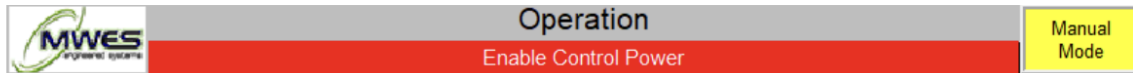


1.HMI Screens

1.1.Header



Every Screen has a header that consists of:

- MWES Logo
- Name of the Active Screen
- Security Level: Operator, Maintenance, Supervisor, or Administrator
- Auto/Manual Operation Selection Push Button. This toggles between Auto Mode and Manual Mode. The button's text indicates the active operational mode.
- Status / Informational Field: Provide the operator with status and operational instructions to operate the machine. The status / information field is color coded to help draw attention to specific issues as detailed below.

Green	In operation / good
Yellow	Requires Operator Attention
Red	Alarm
Gray	Status Only
Orange	Immediate Display Message

1.2.Footer



Every Screen has a footer that consists of:

- The Date and Time on the right
- The time stamp and Alarm Message on the left

1.3.Main Menu Pop Up Screen

The *Main Menu*, shown below, appears on the bottom of the display when the *Main Menu* button is pressed. The *Main Menu* button is available in the lower right of every screen. A grey X in a square at the upper right of the pop-up Screen will close the *Main Menu* display.



Blue

Navigation Buttons open their associated screen

Black

Navigation Buttons indicate their associated screen is unable to be opened due to insufficient operator security. Once the operator logs in with correct authorization, the button will turn Blue

Grey

Navigation Buttons display associated pop-up screen

Screen Definitions:

Operation	Push Button opens the <i>Operation Screen</i> .
Plate Robot Status	Push Button opens the <i>Plate Robot Status Screen</i> .
Pin Robot Status	Push Button opens the <i>Pin Robot Status Screen</i> .
Weld Robot Status	Push Button opens the <i>Weld Robot Status Screen</i> .
Conveyors	Push Button opens the <i>Conveyors Screen</i> . Password protected for Maintenance or Administration personnel only.
Workstations	Push Button opens the <i>Workstations Screen</i> . Password protected for Maintenance or Administration personnel only.
Interchange	Push Button opens <i>Interchange Screen</i> . Password protected for Maintenance or Administration personnel only.
Recipe Select	Push Button opens the <i>Recipe Selection Screen</i> .
Recipe Edit	Push Button opens the <i>Recipe Edit Screen</i> . Password protected for Maintenance or Administration personnel only.
Plate Recipe Edit	Push Button opens the <i>Plate Recipe Edit Screen</i> . Password protected for Maintenance or Administration personnel only.
Pin Recipe Edit	Push Button opens the <i>Pin Recipe Edit Screen</i> . Password protected for Maintenance or Administration personnel only.
Camera Programs	Push Button opens the <i>Camera Programs Screen</i> . Password protected for Maintenance or Administration personnel only.
Setup	Push Button opens the <i>Setup Screen</i> . Password protected for Maintenance or Administration personnel only.

Alarm Manager

Push Button opens the *Alarm Manager Screen*. Red circle indicator will appear when alarm(s) is active.

Alarms History

Push Button opens the *Alarm History Screen*.

Log In

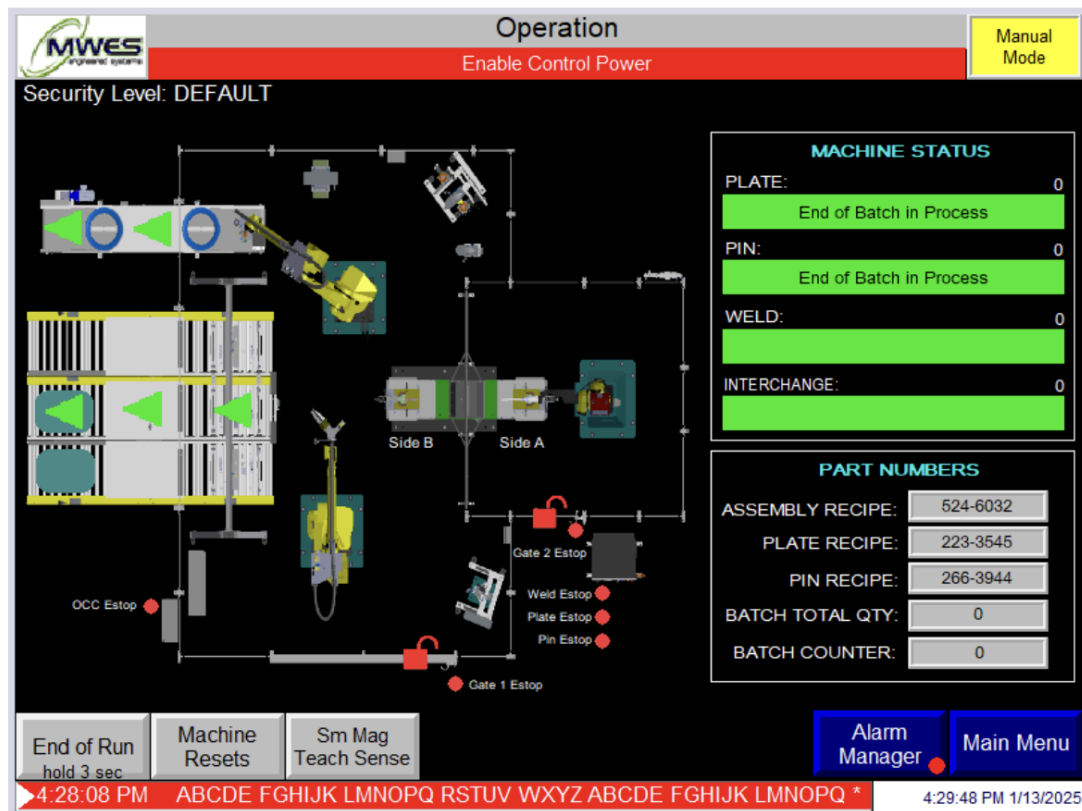
Push Button opens a pop up display for Operators, Maintenance, or Administrators to type in their Username and Password. After authentication, the display will read the associated Security Level on the upper left of the screen and the *Log In* button will be replaced by *Log Out* button on Main Menu.

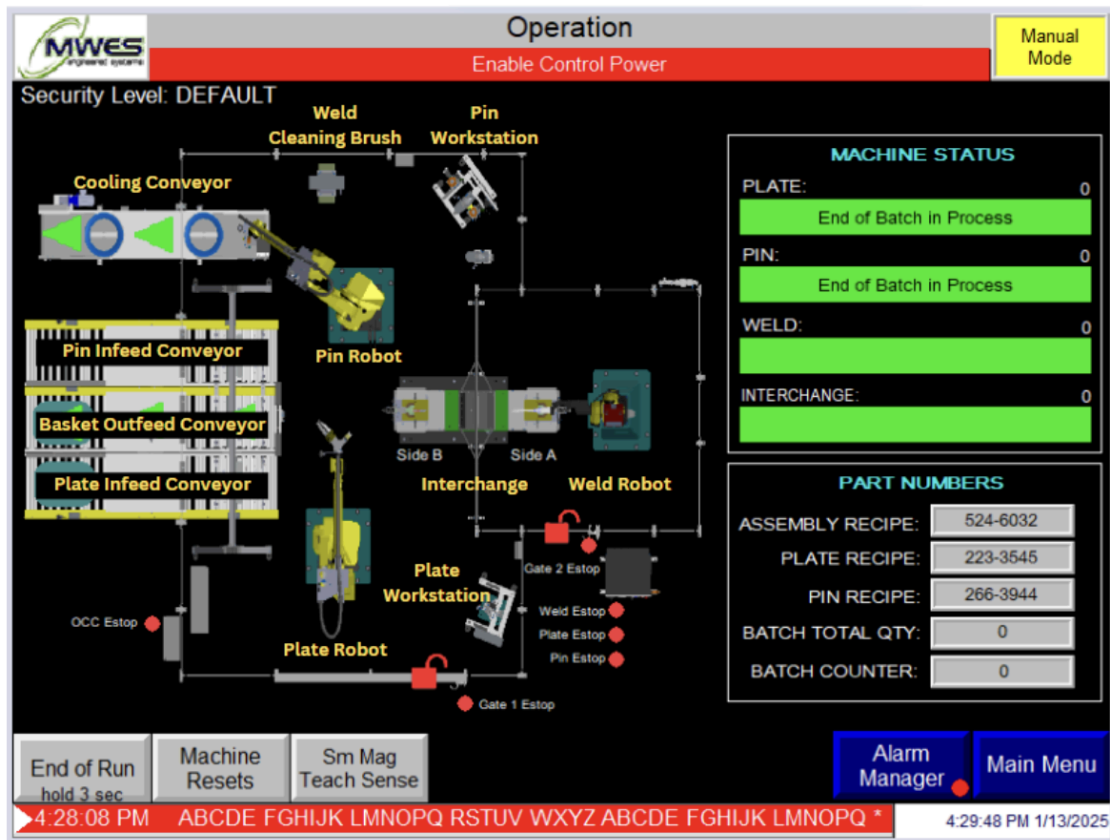
Log Out

Push Button logs operator out. Log out is confirmed by Security Level updating to *DEFAULT*, and *Log Out* button will be replaced by the *Log In* button on Main Menu.

1.4.Operation Screen

The *Operation Status Screen* is shown below. The *Operation Screen* appears when the *Operation* button is pressed on the Main Menu. This Screen provides the active Recipe information and the status of the cell. Symbols will appear in real time on the cell image to indicate specific operatives, each of which is listed below.





Screen Definitions:

Mode

Push Button toggles between Automatic Mode and Manual Mode. The button's text indicates the active operational mode. **Manual Mode can only be entered if auto cycle is not in operation.**

Machine Status

Machine Status fields provide updates on operating status of Plate Robot, Pin Robot, Weld Robot and Interchange. The number in upper right indicates the sequence step the machine is at, and the status field is color-coded to help draw attention to specific issues as detailed below.

Green	In operation / good
Yellow	Requires Operator Attention
Red	Alarm
Gray	Status Only
Orange	Immediate Display Message

Assembly Recipe

Data Display indicating current active Recipe name.

Plate Recipe

Data Display indicating current active Plate Recipe name.

Pin Recipe

Data Display indicating current active Pin Recipe name.

Batch Total Quantity Data Display indicating the total quantity of parts to be completed.

Batch Counter Data Display indicating the current amount of parts completed.

Symbols:

Red/Grey Circle Indicators of the Estop Push Button status are located near their respective positions on the cell. The circle will be filled grey if Estop Push Button is not pressed and not active, and filled red if Estop Push Button is pressed and active.

Green "Closed" Lock Green "Closed" Lock indicates Gate is closed and locked.

Red "Open" Lock Red "Open" Lock indicates Gate is open and unlocked

Green Arrow Indicate Conveyor zone is active.

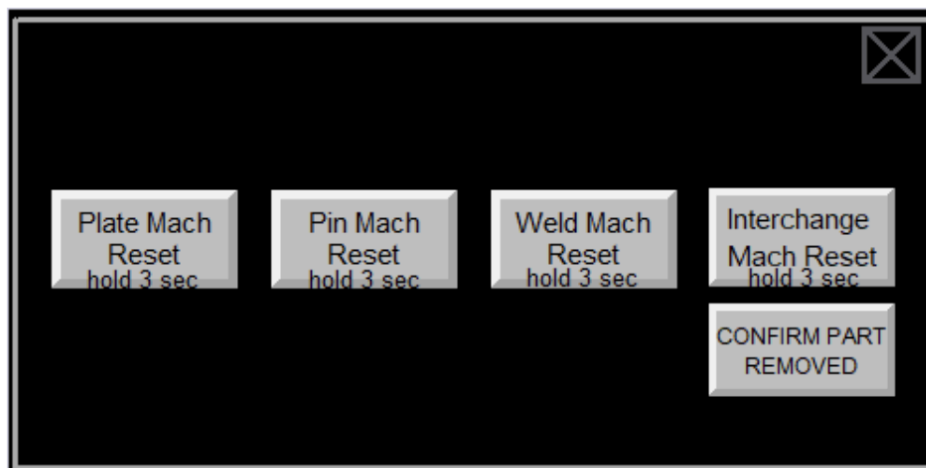
Teal Rounded Rectangle Indicate basket presence on conveyor zone.

Side A/Side B Text alternates to indicate Side A or Side B on interchange is present at Welding Robot.

End of Run Push Button to shut down cycle after finishing current processes.

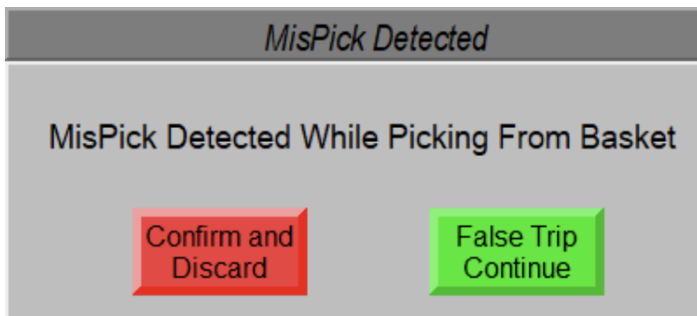
Machine Reset Push Button displays the pop up below, featuring machine reset buttons for the Pin Robot, Plate Robot, Weld Robot and Interchange. Activating a machine reset returns the robot to its default state: it stops current operations, clears errors, reinitializes systems and moves to home position. Hold for three seconds to activate.

- When the *Interchange Machine Reset* button is pressed, a *Confirm Part Removed* Button will appear below. Operator must confirm that parts have been removed from Side A and/or Side B to properly reset the Interchange.



Small Magnet Teach Sense Push Button to recalibrate or fine-tune the sensitivity of the magnet sensors on the Pin Robot. These sensors are used for detecting, aligning and ensuring proper positioning of pin picking and placement.

During the Automatic Cycle, if the magnet sensitivity on the Pin Robot affects the ability to pick a pin from the pin ~~infeed~~ basket, a trigger will display the pop-up below:



Confirm and Discard

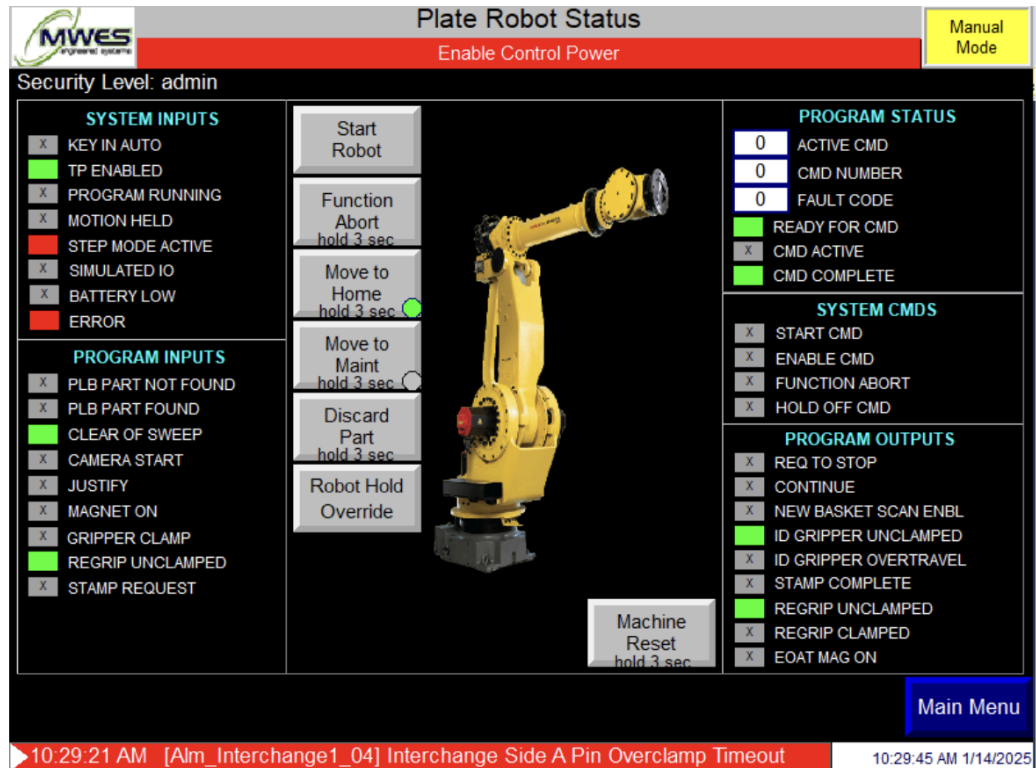
Push Button indicates MisPick is true and to discard pin

False Trip – Continue

Push Button indicates MisPick is false and to continue with pin

1.5. Plate Robot Status Screen

The *Plate Robot Status Screen* is shown below, and appears when the *Plate Robot Status* button is pressed. This screen provides a comprehensive overview of the Plate Robot system in key sections, such as System Inputs, Program Inputs, Program Outputs, Program Status and System Commands. Rectangular corresponding indicators for Inputs/Outputs will be grey if inactive, green if active, and red if active and urgent.



Screen Definitions:

Start Robot

Push Button to start robot and initialize pre-programmed sequence. Password protected for Maintenance or Administration personnel only.

Function Abort

Push Button to immediately stop or interrupt the current operation or program the robot is executing. Hold for three seconds to activate. Password protected for Maintenance or Administration personnel only.

Move to Home

Push Button to move the robot to its home position. The circle indicator in lower right will turn green if the robot is in its Home position. Hold for three seconds to activate. Password protected for Maintenance or Administration personnel only.

Move to Maintenance

Push Button to move robot to its maintenance position. The circle indicator in lower right will turn green if the robot is in its Maintenance position. Hold for three seconds to activate. Password protected for Maintenance or Administration personnel only.

Discard Part

Push Button instructs robot to place current plate in discard basket if it is no longer needed or has been identified as defective. Hold for three seconds to activate. Password protected for Maintenance or Administration personnel only.

Robot Hold Override

Push Button to manually pause or hold the robot's current operation. When pressed, the robot will stop its current task and remain in that state until the

button is released or another command is given. Hold for three seconds to activate. *Password protected for Maintenance or Administration personnel only.*

Machine Reset

Push Button to return robot to its default state. Stops current operations, clears errors, reinitializes systems and returns to home position. Hold for three seconds to activate.

1.6.Pin Robot Status Screen

The *Pin Robot Status Screen* is shown below, and appears when the *Pin Robot Status* button is pressed. This screen provides a comprehensive overview of the Pin Robot system in key sections, such as System Inputs, Program Inputs, Program Outputs, Program Status and System Commands. Rectangular corresponding indicators for Inputs/Outputs will be grey if inactive, green if active, and red if active and urgent.

The screenshot displays the 'Pin Robot Status' interface. At the top, it shows 'MWES' logo, 'Pin Robot Status' title, 'Enable Control Power' button, and 'Manual Mode' button. Below the title bar, it indicates 'Security Level: admin'. The main area is divided into several sections:

- SYSTEM INPUTS:** Includes indicators for KEY IN AUTO (inactive), TP ENABLED (active), PROGRAM RUNNING (inactive), MOTION HELD (inactive), STEP MODE ACTIVE (active), SIMULATED IO (inactive), BATTERY LOW (inactive), and ERROR (inactive).
- PROGRAM INPUTS:** Includes indicators for PLB PART NOT FOUND (inactive), PLB PART FOUND (inactive), CLEAR OF SWEEP (active), CAMERA START (inactive), GRINDER ON (inactive), TOOL CHANGE LOCK (inactive), EOAT LARGE MAG ON (inactive), REG RIP MAGNET ON (inactive), BUFFER MAG ON (inactive), MAG NODE 1 FULL ON (active), MAG NODE 2 FULL ON (inactive), and PARALLEL GRIPPER CLAMP (inactive).
- PROGRAM STATUS:** Includes indicators for ACTIVE CMD (0), CMD NUMBER (0), FAULT CODE (0), READY FOR CMD (active), CMD ACTIVE (inactive), and CMD COMPLETE (active).
- SYSTEM CMDS:** Includes indicators for START CMD (inactive), ENABLE CMD (inactive), FUNCTION ABORT (inactive), and HOLD OFF CMD (inactive).
- PROGRAM OUTPUTS:** Includes indicators for REQ TO STOP (inactive), CONTINUE (inactive), NEW BASKET SCAN ENBL (inactive), SMALL MAG PRESENT AT STAND (inactive), BIG MAG PRESENT AT STAND (inactive), FLIP PIN (active), LARGE MAG ON (inactive), PARALLEL GRIPPER OPEN (active), and PARALLEL GRIPPER CLOSED (inactive).

In the center, there is a 3D model of a yellow robotic arm. To its left, there are buttons for 'Start Robot', 'Function Abort hold 3 sec', 'Move to Home hold 3 sec', 'Move to Maint hold 3 sec', 'Discard Part hold 3 sec', and 'Robot Hold Override'. To its right, there is a 'Machine Reset hold 3 sec' button. At the bottom, there is a 'Main Menu' button. The status bar at the very bottom shows the time '10:29:21 AM', the alarm message '[Alm_Interchange1_04] Interchange Side A Pin Overclamp Timeout', and the date '10:29:59 AM 1/14/2025'.

Screen Definitions:

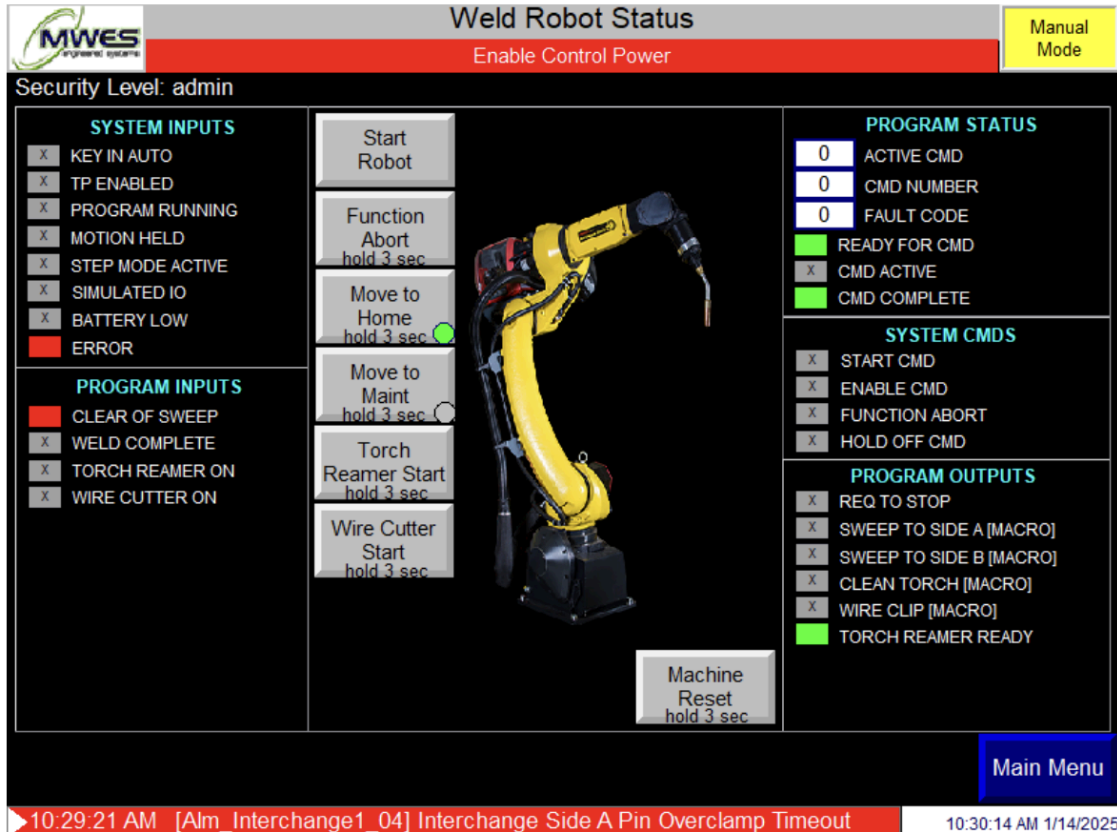
Start Robot

Push Button to start robot and initialize pre-programmed sequence. *Password protected for Maintenance or Administration personnel only.*

Function Abort	Push Button to immediately stop or interrupt the current operation or program the robot is executing. Hold for three seconds to activate. <i>Password protected for Maintenance or Administration personnel only.</i>
Move to Home	Push Button to move robot to its home position. The circle indicator in lower right will turn green if the robot is in its Home position. Hold for three seconds to activate. <i>Password protected for Maintenance or Administration personnel only.</i>
Move to Maintenance	Push Button to move robot to its maintenance position. The circle indicator in lower right will turn green if the robot is in its Maintenance position. Hold for three seconds to activate. <i>Password protected for Maintenance or Administration personnel only.</i>
Discard Part	Push Button instructs robot to place current pin in discard basket. Hold for three seconds to activate. <i>Password protected for Maintenance or Administration personnel only.</i>
Robot Hold Override	Push Button to manually pause or hold the robot's current operation. When pressed, the robot will stop its current task and remain in that state until the button is released or another command is given. Hold for three seconds to activate. <i>Password protected for Maintenance or Administration personnel only.</i>
Machine Reset	Push Button to return robot to its default state. Stops current operations, clears errors, reinitializes systems and returns to home position. Hold for three seconds to activate.

1.7.Weld Robot Status Screen

The *Weld Robot Status Screen* is shown below, and appears when the *Weld Robot Status* button is pressed. This screen provides a comprehensive overview of the Weld Robot system in key sections, such as System Inputs, Program Inputs, Program Outputs, Program Status and System Commands. Rectangular corresponding indicators for Inputs/Outputs will be grey if inactive, green if active, and red if active and urgent.



Screen Definitions:

Start Robot

Push Button to start robot and initialize pre-programmed sequence. Password protected for Maintenance or Administration personnel only.

Function Abort

Push Button to immediately stop or interrupt the current operation or program the robot is executing. Hold for three seconds to activate. Password protected for Maintenance or Administration personnel only.

Move to Home

Push Button to move robot to its home position. The circle indicator in lower right will turn green if the robot is in its Home position. Hold for three seconds to activate. Password protected for Maintenance or Administration personnel only.

Move to Maintenance

Push Button to move robot to its maintenance position. The circle indicator in lower right will turn green if the robot is in its Maintenance position. Hold for three seconds to activate. Password protected for Maintenance or Administration personnel only.

Torch Reamer Start

Push Button to activate torch reamer. Press to clean welding torch tips to ensure optimal performance and prevent blockages. Hold for three seconds to activate. Password protected for Maintenance or Administration personnel only.

Wire Cutter Start

Push button to activate the wire cutter, which then performs the cutting process. Hold for three seconds to activate. *Password protected for Maintenance or Administration personnel only.*

Machine Reset

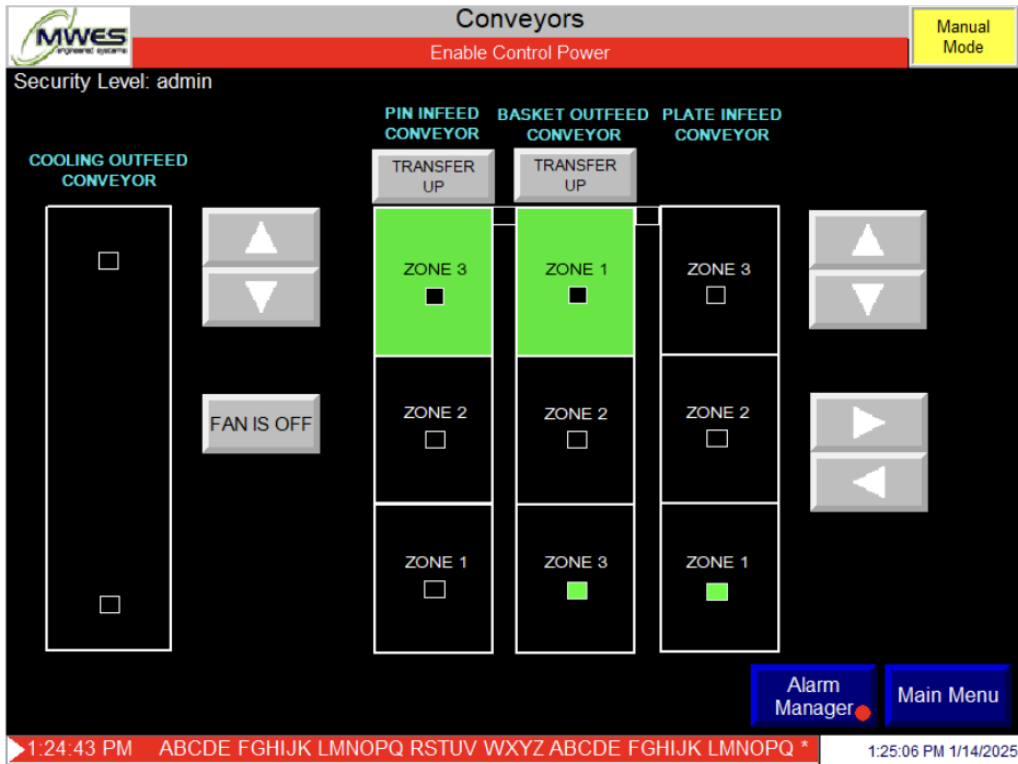
Push Button to return robot to its default state. Stops current operations, clears errors, reinitializes systems and returns to home position. Hold for three seconds to activate.

1.8.Conveyors Screen

The *Conveyors Screen* is shown below, and appears when the *Conveyors* button is pressed. This screen represents the conveyors and push buttons to manually start/stop conveyor belts, transfer belts or cooling fan.

The conveyor zones near the top of the screen, represent the conveyors towards the machine handling side, and the conveyors zones near the bottom of the page, represent the conveyors towards the operator handling side.

Operators with Maintenance or Administrative security level have access to this screen.



Screen Definitions:

Cooling Outfeed Conveyor

Rectangular object represents the Cooling Outfeed Conveyor. The two squares inside represent part presence: they are filled black when no part is detected, and filled green when a part is detected in that zone.

Cooling Conveyor Arrow Buttons

Push Buttons to activate Cooling Outfeed Conveyor belt forwards or backwards. Located to the right of the Cooling Conveyor.

Pin/Basket/Plate Conveyors

Rectangular objects represent Pin Infeed Conveyor, Basket Outfeed Conveyor, and Plate Infeed Conveyor. Each Conveyor contains three zones, with squares in the center to indicate basket presence. Squares are black if conveyor zone is empty, and green if occupied. To enable conveyor zone to move, Operator must press on specified zone. Zones that are pressed will turn green and move in the direction dependent on the Up or Down Arrow Button pressed. Black zones will not move.

Pin/Basket/Plate Up and Down Arrow

Push Buttons to move green, enabled conveyor zone belts forward or backward.

Transfer Up

Push Button to raise Transfer Belt on corresponding conveyor zone. To enable button, you must press **Pin Infeed Conveyor Zone 3, Basket Outfeed Conveyor Zone 1 or Plate Infeed Conveyor Zone 3**. Pressing any of those zones will turn it green and enable their *Transfer Up Push Button*, and the *Right* and *Left Arrow Push Buttons*.

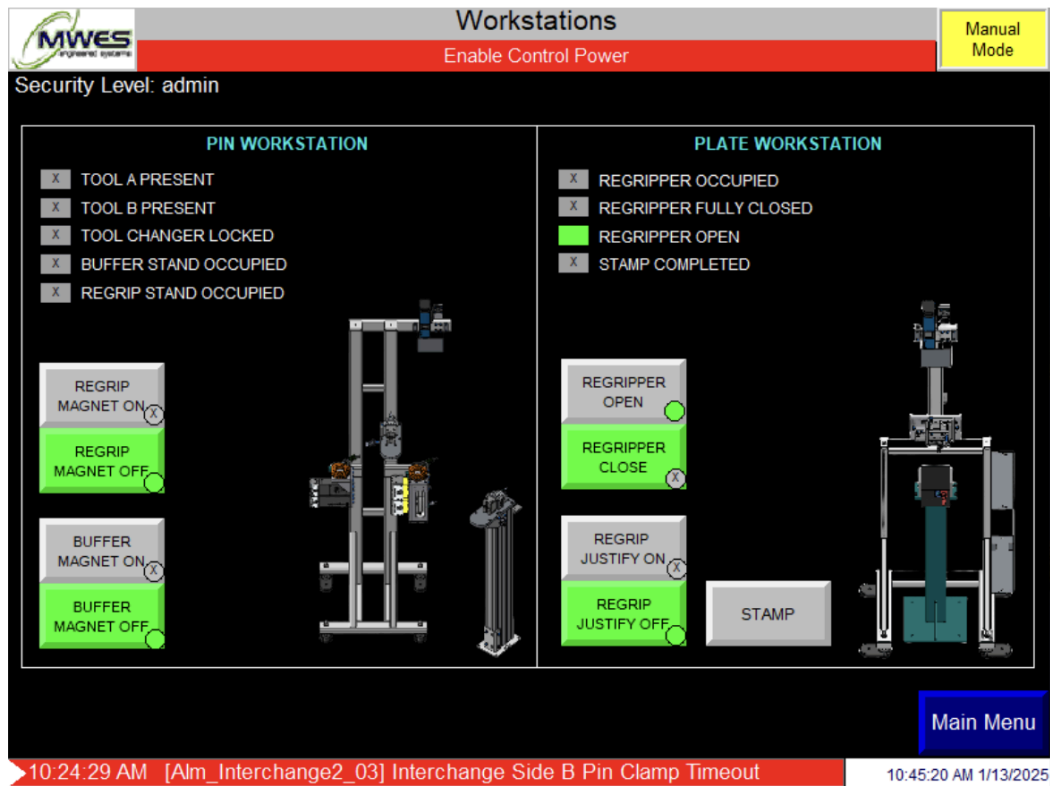
Transfer Right and Left Arrow

Push Buttons to move green, enabled Transfer Conveyor Belt right or left.

1.9.Workstations Screen

The *Workstation Screen* is shown below, and appears when the *Workstations* button is pressed. This screen represents the Pin Workstation and Plate Workstation and provides the operator the status of Workstations sensors and individual control of machine.

Operators with Maintenance or Administrative security level have access to this screen.



Screen Definitions:

Regrip Magnet On/Off

Push Buttons to turn Pin Workstations Regrip Magnet on or off. *Indicator in bottom right of button updates the Magnets current status.*

Buffer Magnet On/Off

Push Buttons to turn Pin Workstation Buffer Magnet on or off. *Indicator in bottom right of button updates the Magnets current status.*

Regripper Open/Close

Push Buttons to open or close Plate Stations Regripper. *Indicator in bottom right of button updates the Regrippers current status.*

Regrip Justify On/Off

Push Buttons to turn Plate Stations Regrip Justify On/Off. *Indicator in bottom right of button updates the Regrips Justify current status.*

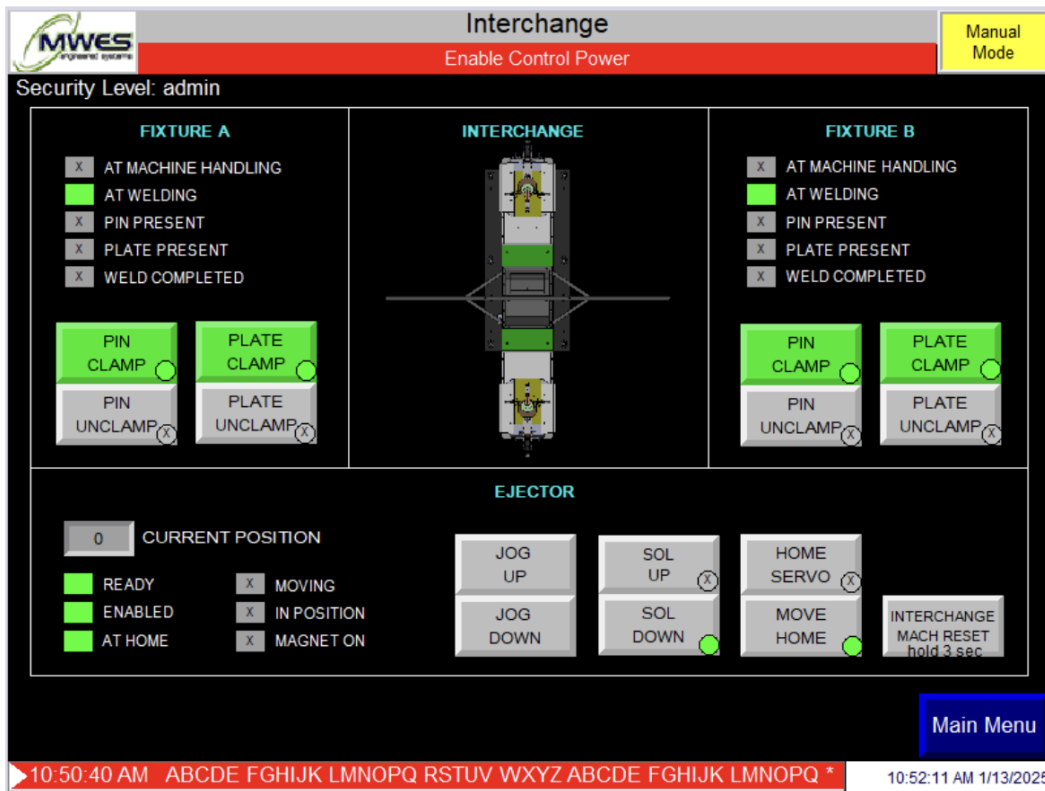
Stamp

Push Button to start plate stamper. Will begin stamping predetermined stamp for plate.

1.10. Interchange Screen

The *Interchange Screen* is shown below, and appears when the *Interchange* button is pressed. This screen represents the Interchange and provides the operator to control individual operations and see the status of the Interchange sensors.

Operators with Maintenance or Administrative security level have access to this screen.



Screen Definitions:

Fixture A

Pin Clamp/Unclamp Push Buttons to Clamp/Unclamp Fixture A's pin.

Plate Clamp/Unclamp Push Buttons to Clamp/Unclamp Fixture A's plate.

Fixture B

Pin Clamp/Unclamp Push Buttons to Clamp/Unclamp Fixture B's pin.

Plate Clamp/Unclamp Push Buttons to Clamp/Unclamp Fixture B's pin.

Ejector

Jog Up/Down Push Buttons to Jog Part Ejector Servo up or down.

Sol Up/Down Push Buttons to move Part Ejector Servo to complete up or down position.

Home Servo Push Button to update Part Ejector Servo's Home position to the position it is currently at.

Move Home Push Button to move Part Ejector Servo to its Home position.

1.11.Recipe Select Screen

The *Recipe Selection Screen* is shown below. The *Recipe Selection Screen* appears when the *Recipe Select* button is pressed. The Recipe Screen is divided into two areas: Recipe Selection and Recipe Data.

Recipe Select area allows the operator to select the recipe to be loaded. The operator can either search for the desired recipe by typing it in *Recipe Search* or the operator can choose the recipe via the recipe list box.

Recipe Data section allows the operator to view the selected/active recipe's data.

The screenshot displays the 'Recipe Select' interface. At the top, there is a header bar with the MWES logo, the title 'Recipe Select', and a 'Manual Mode' button. Below the header, a red bar contains the text 'Enable Control Power'. The main area is divided into three sections: 'Recipe Selection' on the left, 'Recipe Search' in the top middle, and 'Active Recipe' on the top right. The 'Recipe Selection' section features a list box with 18 items (0) 524-6032 through 17) 512-8732, with the first item selected. To the right of the list box are four navigation buttons: up, down, left, and right. The 'Recipe Search' section has a text input field. The 'Active Recipe' section shows the selected recipe '524-6032'. Below these sections is the 'Recipe Data' section, which contains a table of recipe parameters. At the bottom, there is a 'Download' button and two blue buttons labeled 'Machine Changeover' and 'Main Menu'. A status bar at the very bottom shows the time '10:53:02 AM', a row of letters 'ABCDE FGHIJK LMNOPQ RSTUV WXYZ ABCDE FGHIJK LMNOPQ *', and the date '10:53:13 AM 1/13/2025'.

Recipe Data	
524-6032	Recipe Name
223-3545	Plate Recipe
266-3944	Pin Recipe
555	Interchange Nest ID
555	Interchange Pin Clamp ID
555	Interchange Plate Clamp ID
0	Plate Angle Degree
0	Pin Height Above Plate (mm)

Screen Definitions:

Download

Push Button to download selected recipe as the new active recipe. Will display *Machine Changeover Screen* to confirm cell is empty and prepared for the new recipe.

Machine Changeover

Push Button to display *Machine Changeover Screen*.

1.12. Machine Changeover Screen

The *Machine Changeover Screen* is shown below. The *Machine Changeover Screen* appears when the *Download Button* or *Machine Changeover Button* is pressed. To begin a new recipe, all boxes on the *Machine Changeover Screen* must be marked with a green checkmark, and the batch quantity must be set. This ensures the machine is empty and the proper tool-handling parts are installed to prepare for the new recipe. The associated tool-handling names for the selected recipe are displayed in grey boxes to the right.

Machine Changeover Manual Mode

Enable Control Power

Active Recipe: 524-6032

Instructions

<input checked="" type="checkbox"/>	Verify Machine is Empty	?
<input checked="" type="checkbox"/>	Install Associated Parallel Gripper for Pin Robot :	0
<input checked="" type="checkbox"/>	Install Associated ID Gripper for Plate Robot :	0
<input checked="" type="checkbox"/>	Install Associated Nest Plates on Interchange Side A and Side B :	555
<input checked="" type="checkbox"/>	Install Associated Pin Clamp on Interchange Side A and Side B :	555
<input checked="" type="checkbox"/>	Install Associated Plate Clamps on Interchange Side A and Side B :	555
<input checked="" type="checkbox"/>	Install Associated Small Mag Shoes For Pin Robot (if Required)	
<input type="text"/>	Batch Quantity	0

Main Menu

1:10:33 PM ABCDE FGHIJK LMNOPQ RSTUV WXYZ ABCDE FGHIJK LMNOPQ * 1:10:56 PM 1/15/2025

1.13. Recipe Edit Screen

The *Recipe Edit Screen* is shown below. The *Recipe Edit Screen* appears when the *Recipe Edit* button is pressed. The *Recipe Edit Screen* is divided into two main areas: *Recipe Selection* and *Recipe Data*.

- *Recipe Selection* area allows the operator to select the recipe to be loaded.
- *Recipe Data* area allows the operator to view and edit the selected / active Recipe's data, Save a new Recipe or delete a Recipe.

Operators with Maintenance or Administrative security level have access to this screen.

The screenshot shows the 'Recipe Edit' screen. At the top, there is a header bar with the MWES logo on the left, the title 'Recipe Edit' in the center, and a 'Manual Mode' button on the right. Below the header, a red bar contains the text 'Enable Control Power'. The main area is divided into two sections: 'Recipe Selection' on the left and 'Recipe Data' on the right. The 'Recipe Selection' section features a list of 15 items (0) to (14) with corresponding recipe IDs. The 'Recipe Data' section displays a table of parameters for the selected recipe (524-6032). At the bottom right, there are three buttons: 'Save Recipe', 'Save Recipe As', and 'Delete Recipe'. A 'Main Menu' button is located at the bottom right. A status bar at the very bottom shows the time '10:53:47 AM' and a keyboard layout indicator 'ABCDE FGHIJK LMNOPQ RSTUV WXYZ ABCDE FGHIJK LMNOPQ *'.


Recipe Selection		Recipe Data	
0)	524-6032	524-6032	Recipe Name
1)	4E1537	223-3545	Plate Recipe
2)	229-9247	266-3944	Pin Recipe
3)	113-3791	555	Interchange Nest ID
4)	270-6513	555	Interchange Pin Clamp ID
5)	512-8732	555	Interchange Plate Clamp ID
6)		0 degrees	Pin Angle Offset
7)		0.00 mm	Pin Height Above Plate
8)			
9)			
10)			
11)			
12)			
13)			
14)			

1.14. Plate Recipe Edit Screen

The *Plate Recipe Edit Screen* is shown below. The *Plate Recipe Edit Screen* appears when the *Plate Recipe Edit* button is pressed. The Screen is divided into two main areas: Plate Recipe Selection and Plate Recipe Data.

- Recipe Selection area allows the operator to select the plate recipe to be loaded.
- Recipe Data area allows the operator to view and edit the selected / active Plate Recipe's data, save a new Plate Recipe or delete a Plate Recipe.

Operators with Maintenance or Administrative security level have access to this screen.



Pin Recipe Edit

Enable Control Power

Manual Mode

Recipe Selection

0) 266-3944

1) 4E1538

2) 229-9216

3) 113-3792

4) 270-6514

5) 381-0004

6) 464-9855

7)

8)

9)

10)

11)

12)

13)

14)

Recipe Data

266-3944

Name

Top-DiameterCheck

Top Detect Camera Tool

Orient-SideHole

Orientation Camera Tool

152.00 mm

Length

0

Parallel Gripper ID

0

Small Mag Shoes

0

Small Mag Sensitivity

Sm Mag

Magnet Tool

0 %

Magnet Setting (Future)

3.00 mm

Top Diameter Tolerance

0.00 mm

Orientation Hole Diameter

0.00 mm

Distance from Bottom

0.00

Weight

Save Recipe

Save Recipe As

Delete Recipe

Main Menu

10:55:51 AM ABCDE FGHIJK LMNOPQ RSTUV WXYZ ABCDE FGHIJK LMNOPQ *

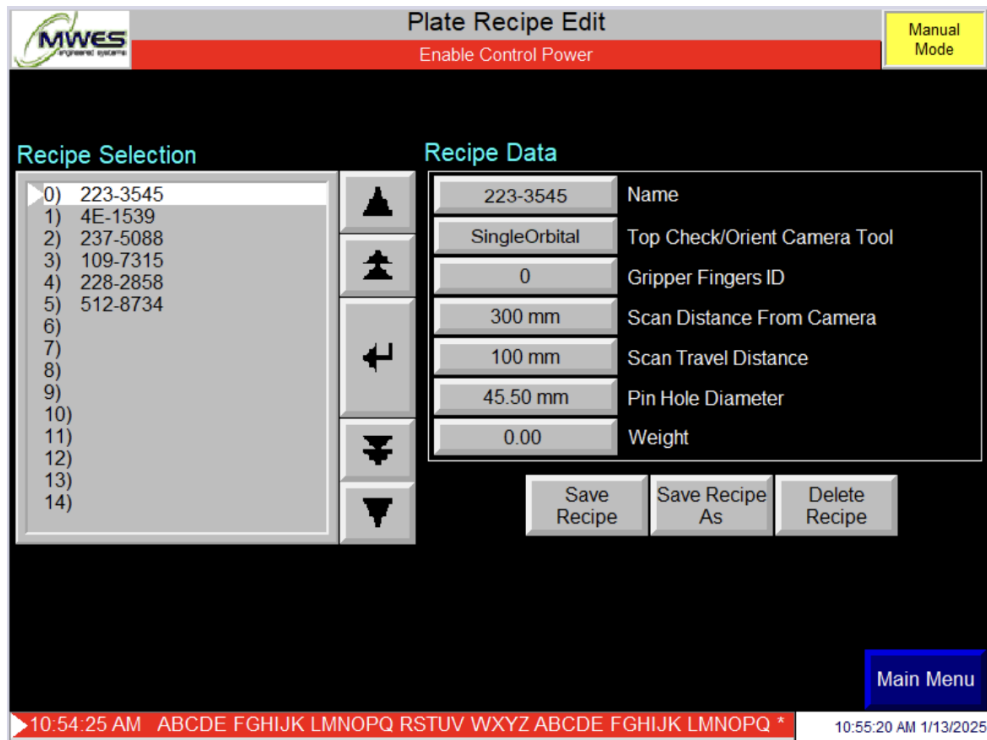
10:56:12 AM 1/13/2025

1.16.Camera Programs Screen

The *Camera Programs Screen* is shown below. The *Camera Programs Screen* appears when the *Camera Programs Screen* button is pressed. This screen has two selection options: Pin Camera Selection and Plate Camera Selection.

- *Edit Program Name* allows the operator to edit a Camera Program name or create a new one.

Operators with Maintenance or Administrative security level have access to this screen.

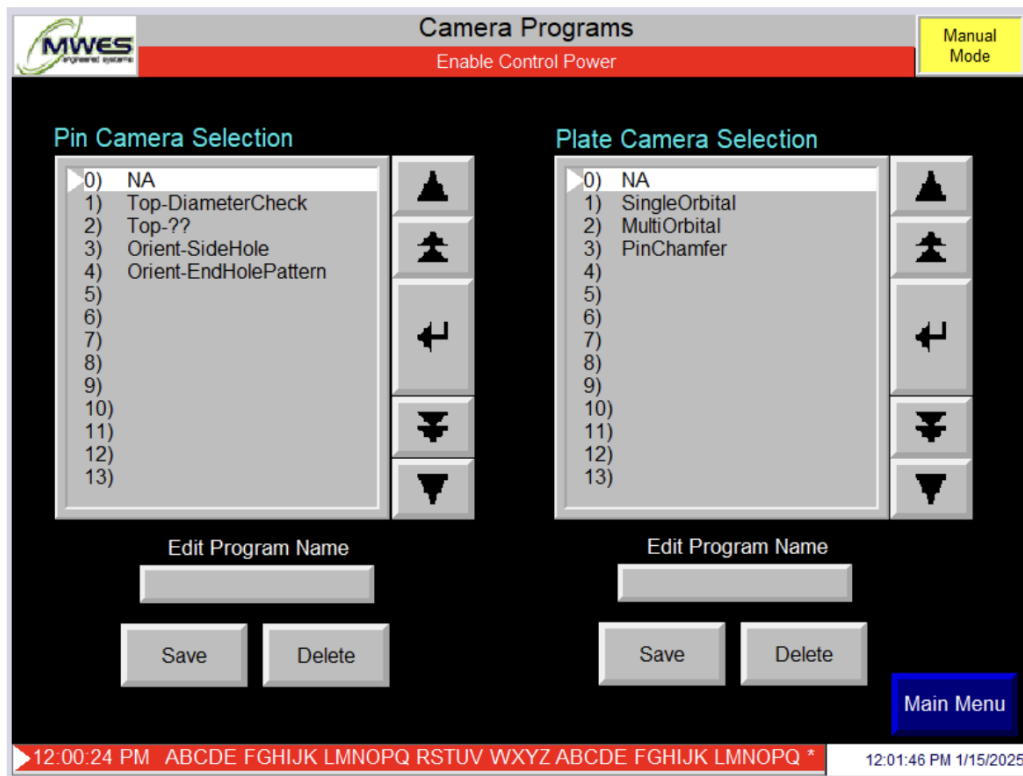


1.15.Pin Recipe Edit Screen

The *Pin Recipe Edit Screen* is shown below. The *Pin Recipe Edit Screen* appears when the *Pin Recipe Edit* button is pressed. The Screen is divided into two main areas: Pin Recipe Selection and Pin Recipe Data.

- Recipe Selection area allows the operator to select the pin recipe to be loaded.
- Recipe Data area allows the operator to view and edit the selected / active Pin Recipe's data, Save a new Pin Recipe or delete a Pin Recipe.

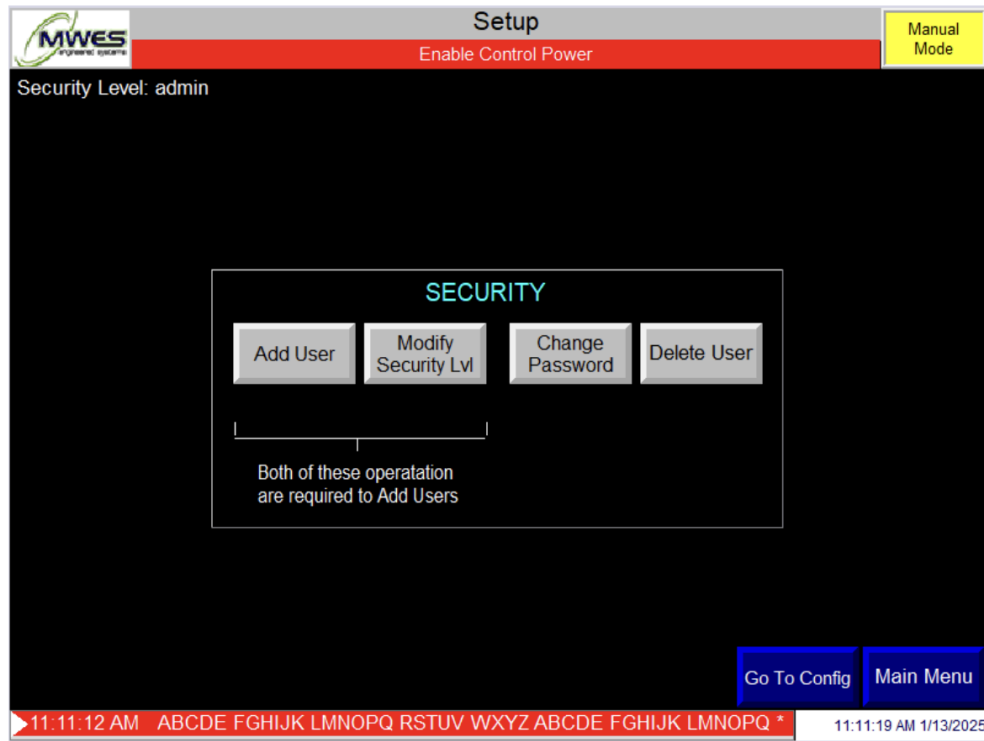
Operators with Maintenance or Administrative security level have access to this screen.



1.17.Setup Screen

The *Setup Screen* is shown below. The *Setup Screen* appears when the *Setup* button is pressed. This screen allows modification of users, and the ability to add or delete a user.

Operators with Maintenance or Administrative security level have access to this screen.




Screen Definitions:

Go To Config

Push Button to shut down the PanelView display and put it in configuration mode.

1.18.Alarm Manager Screen

The *Alarm Manager Screen*, shown below, appears when the *Alarm Manager* button is pressed. Active alarms are displayed and can be reset by pressing the Fault Reset button on the operator console.



All Active Alarms

Enable Control Power

Manual Mode

Alarm time	Message
1/13/2025 11:13:15 AM	[Alm_Interchange3_01] Interchange Ejector Remote IO Module Ethernet Fault
1/13/2025 11:13:15 AM	[Alm_Interchange3_00] Interchange Ejector Servo Ethernet Fault
1/13/2025 11:13:15 AM	[Alm_Conv0_21] Infeed Conveyor ValveBank Ethernet Fault
1/13/2025 11:13:15 AM	[Alm_Conv0_20] Infeed Conveyor Remote IO Module Ethernet Fault
1/13/2025 11:13:15 AM	[Alm_Conv0_10] Pin Xfer Conveyor VFD Ethernet Fault
1/13/2025 11:13:15 AM	[Alm_Conv2_10] Basket Xfer Conv VFD Ethernet Fault
1/13/2025 11:13:15 AM	[Alm_Interchange0_11] Machine Reset Required
1/13/2025 11:13:15 AM	[Alm_Interchange0_00] Interchange ValveBank Ethernet Fault
1/13/2025 11:13:15 AM	[Alm_Conv1_10] Plate Xfer Conveyor VFD Ethernet Fault
1/13/2025 11:13:15 AM	[Alm_Interchange1_04] Interchange Side A Pin Overclamp Timeout

Main Menu

11:13:15 AM [Alm_Interchange3_01] Interchange Ejector Remote IO Module Ethern*

11:14:15 AM 1/13/2025

1.19.Alarm History Screen

The *Alarm History Screen*, shown below, appears when the *Alarm History* button is pressed. This screen provides the operator with an alarm history. Use scroll buttons to scroll up and down the alarm list.



Alarm History

Manual
Mode

Enable Control Power

Alarm time	Message
1/14/2025 2:52:41 PM	[Alm_RobWeld2_12] Weld Robot Key Not In Auto - Place in Auto
1/14/2025 2:52:41 PM	[Alm_RobWeld2_00] Weld Robot Ethernet Fault
1/14/2025 2:52:41 PM	[Alm_RobPlate2_12] Plate Robot Key Not In Auto. Place in Auto
1/14/2025 2:52:41 PM	[Alm_RobPlate2_11] Plate Robot TP Enabled. Disable Teach Pendant
1/14/2025 2:52:41 PM	[Alm_RobPlate2_04] Plate Robot Step Mode Active
1/14/2025 2:52:41 PM	[Alm_RobPlate2_00] Plate Robot Ethernet Fault
1/14/2025 2:52:41 PM	[Alm_RobPin2_12] Pin Robot Key Not In Auto - Place in Auto
1/14/2025 2:52:41 PM	[Alm_RobPin2_11] Pin Robot TP Enabled - Disable Teach Pendant
1/14/2025 2:52:41 PM	[Alm_RobPin2_04] Pin Robot Step Mode Active
1/14/2025 2:52:41 PM	[Alm_RobPin2_00] Pin Robot Ethernet Fault



Main Menu

2:52:41 PM [Alm_RobWeld2_12] Weld Robot Key Not In Auto - Place in Auto

2:53:44 PM 1/14/2025