



Sentry HP/LP Quick Start Guide

Bulletin #: V113018-04

Issue Date: November 30, 2018

Thank You for Purchasing an Orion Flex Stretch Wrapper!

Your new FLEX stretchwrapper was designed to get up and running quickly upon delivery. This guide will help you begin using your machine effectively by providing step by step instructions in the basic operations of the machine. More advanced capabilities are described in the manual. You can download the complete manual, electrical prints, and mechanical drawings at this location:

<http://www.orionpackaging.com/landing/sentry-lp-manual-download/>



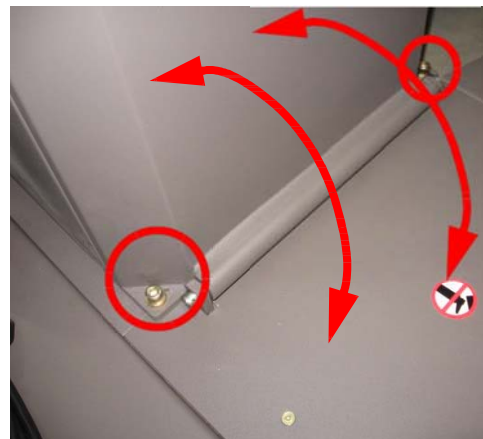
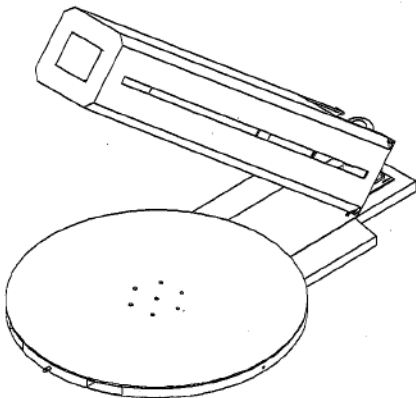
Unpacking

Machine can be easily unloaded and transported by a forklift with a minimum capacity of 2500 lbs. If your machine has the tower laying down, you will need to follow this procedure to upright the tower prior to use:

WARNING Use caution when uprighting the tower. Injury could occur.

1. If your model is a high tower, it may have the tower pivoted downward or removed.

Illustration 1 - Tower Pivot Point



2. Use a secured strap to pivot the tower upright, securely hold the tower upright. Bolt the tower to the base using the four provided 10mm bolts. Make sure not to pinch any electrical connectors.

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(800) 333-6556

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Illustration 2 - Tower to Base Bolts (1 of 4 shown)



3. Carefully insert the forks into the lifting tubes to the maximum possible depth. The forktruck tine width may have to be adjusted.

Illustration 3 - Machine Lifting Fork Tubes



4. Lift the machine only to the necessary height to move it with no bouncing or friction on the floor.
5. Remove the skidding pallet. The obstacle detect switch under the carriage must be clear to allow operation. The skidding pallet will prevent operation if it is not removed.
6. Sit the machine down assuring uniform contact with the floor, which is necessary to ensure correct and smooth operation.

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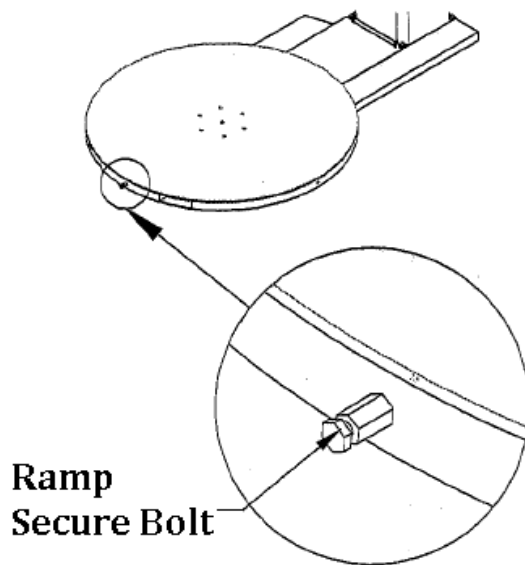
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7. If your machine came with the optional ramp, attach the ramp secure bolt. Next, using a forklift lower the ramp slot over the ramp secure bolt.

Illustration 4 - Ramp Secure Bolt





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Inspection

1. Remove all packing and supporting additions - these may include the blocks under the carriage and the restraining bar over the table.

Note: When removing the stretchwrap film covering the machine, care must be taken not to cut any of the electrical wires and/ or polyurethane covering on the film carriage rollers.

2. Perform a visual inspection of the electrical and mechanical parts for loosened joints and / or broken connections. Any suspected shipping damage must be reported immediately to the freight carrier. Any transport damage cannot be claimed to Orion Packaging Inc.

Items that are vulnerable to damage and must be inspected are as follows:

- Motors and gearboxes
- Junction boxes
- Electrical conduits
- Proximity and limit switches
- Photocells

3. Check around the tower to ensure that there is no crippling of the movable parts i.e. casters, center axle or drive assembly.

4. Verify the following:

- Check wires and conduits for crushed sections or loose fittings.
- Verify the film carriage to be sure that it is correctly aligned with the tower
- Inspect the HMI screen for damage and ensure all push buttons are intact.
- Use the panel access keys to open the panel or motor access doors.

Illustration 5 - Panel Access Key





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Machine Installation

Note: The structural frames of the machine have to be placed on a leveled floor. The base deviation from vertical must not exceed 1/4" on the distance of 10 feet (angle: 0 degrees 6').

1. Move the wrapper into its final position.
2. Any wiring that has been disconnected to facilitate transport is marked with a number located on the junction box to which the wiring must be reconnected. Any wire run that appears too short or long may indicate that the position of the mechanical components is incorrect. Verify the status of all assemblies before proceeding.

Connect Power

- Make sure the MAIN DISCONNECT switch on the wrapper's panel is set to the OFF position.
- Orion Packaging insists that a dedicated circuit is used for this wrapper. **Extension cords are not allowed** and can void your warranty.
- Plug the machine into the 115 VAC/ 60 Hz/ 1 Phase / 15 Amp outlet.

Power Up / Boot Up

- After verifying that the area around the machine is safe, you may apply power to the machine by turning the MAIN POWER switch to the ON (Arrow Up) position.
- Please allow 30 seconds before pressing any buttons to allow the program to boot up.
- Release the E-stop button.
- Press and release the Start button once to gain Control Power.
- Initializing will display in the information banner momentarily.
- See jogging on the next page to begin testing your machine.



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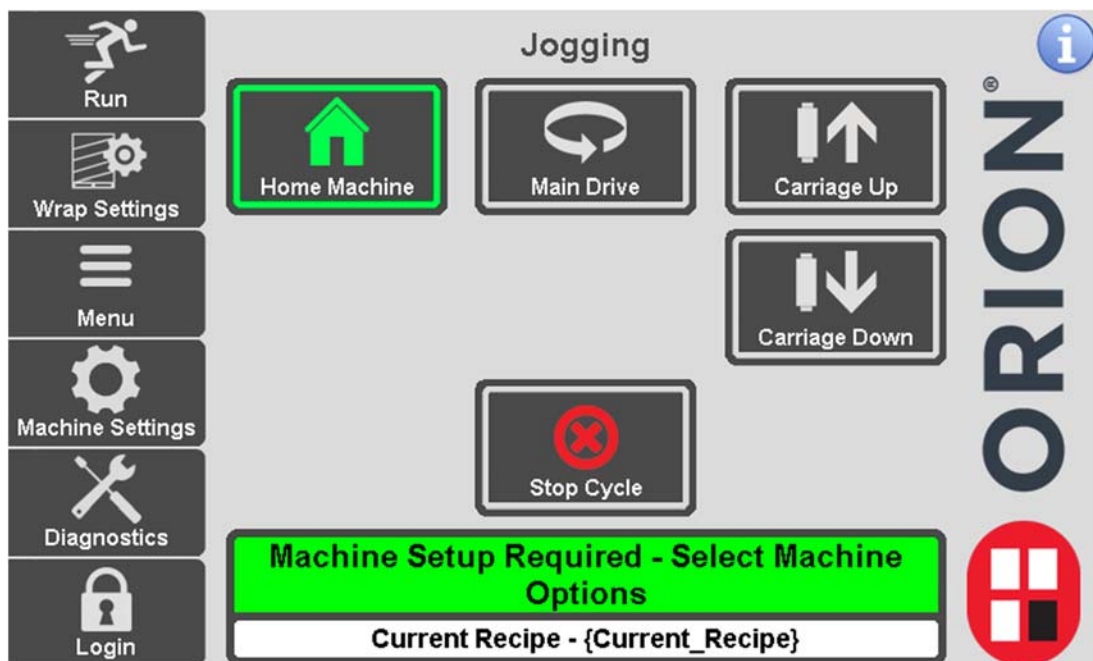
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Jogging

- Go to the Menu Screen. Choose Jogging.
- It's advisable to jog the machine prior to wrapping your first load to ensure components run smoothly and there are no mechanical binds caused by shipping.
 - Press and hold the Main Drive button to jog the turntable. Allow it to travel about one full revolution, then release the button.
 - Press and hold the Carriage Up button. Allow it to travel to the adjustable top stop on the mast, then release the button.
 - Press the Home Machine button to bring the Turntable and Carriage back to the Home position.

Illustration 6 – Jogging Screen





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Set Up Load

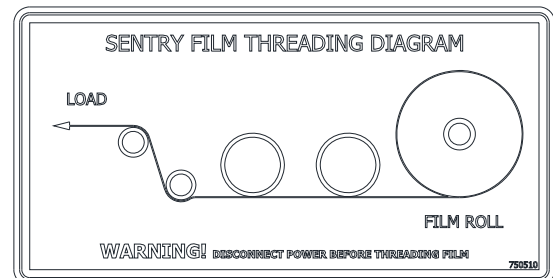
- Carefully place the load to be wrapped on the turntable. Be sure the load is centered and stable.

Load the Film

- The film roll can be loaded on the carriage mandrel from either end of the roll. When using tacky film, please verify that the tacky surface of the film is inward on the load.
- Press in the E-stop.
- Loosen the knob on the top mandrel spool and remove the mandrel.
- Put the roll of film on the bottom mandrel.
- Install the top mandrel on top of the roll to prevent upward movement.
- Tighten the hand knob.
- Press the latch down and pull out on the carriage door to open the carriage. The film carriage is equipped with a switch that detects when the carriage threading door is open. When opened, it will set off an alarm on the HMI and prevent the carriage from moving.

Illustration 7 – Threading the Film

- Pass the roped tail of the film through opening.
- Pass the film rope around the outside of the first aluminum roller and through the inside of the second roller.
- Attach the film to the load.
- To close the carriage door, hold the latch handle down and press the door closed. Ensure the latch clicks shut properly. The pins on the carriage door will latch into the top of the carriage.
- When the film feeding is completed, release the E-stop.
- Press the Start button once to reset control power.
- The system is now ready to begin the first wrapping cycle.



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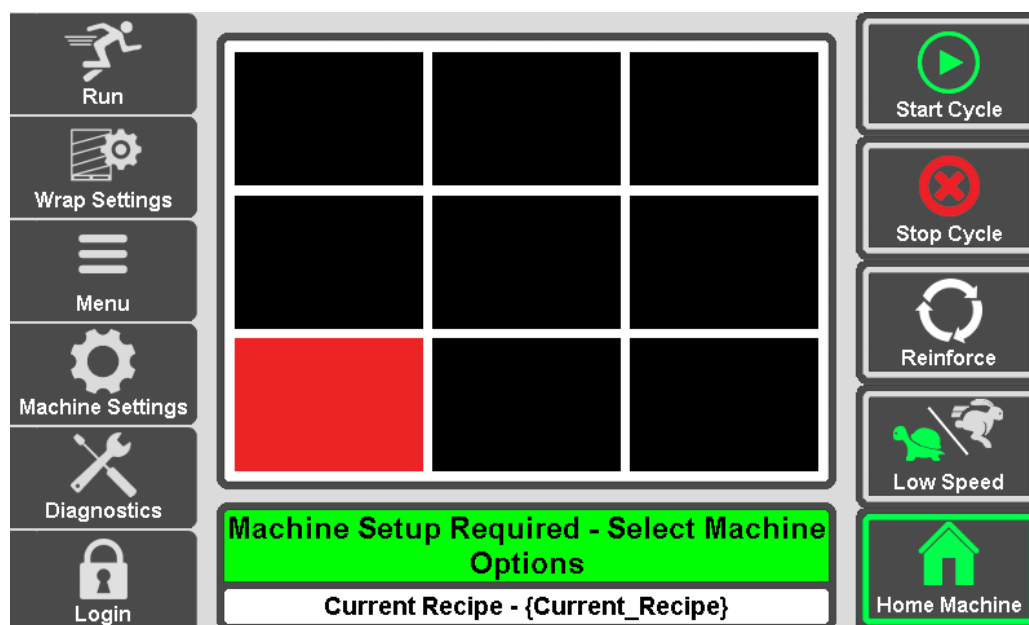
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Running a Test Load

Now that you have the machine unloaded, unpacked, the film is loaded, you've jogged all components, and a load is ready to wrap, let's run a test wrap.

- Go to the Run Screen.
- Attach the film tail to the load.
- Release the E-stop button.
- Press the Start button once to reset control power.
- Toggle to Low Speed Mode (Turtle) on the Run Screen.
- If everything is clear and you are ready to run, press and hold the Start button for the amount of time set in the machine settings to start the machine.
- Allow the load to wrap.
- Since you still have control power present, you may toggle to High Speed Mode (Rabbit), then press Start Cycle on the HMI to wrap the load again in high speed mode.
- When the carriage is half way up the load, press Reinforce. The number of reinforce wraps set on the HMI will be applied then the load will continue its cycle.
- The Stop Cycle button will stop the current wrap cycle. When stopped the button changes states to "Reset Faults." Press Reset Faults to reset any active faults.

Illustration 8 – Main Screen



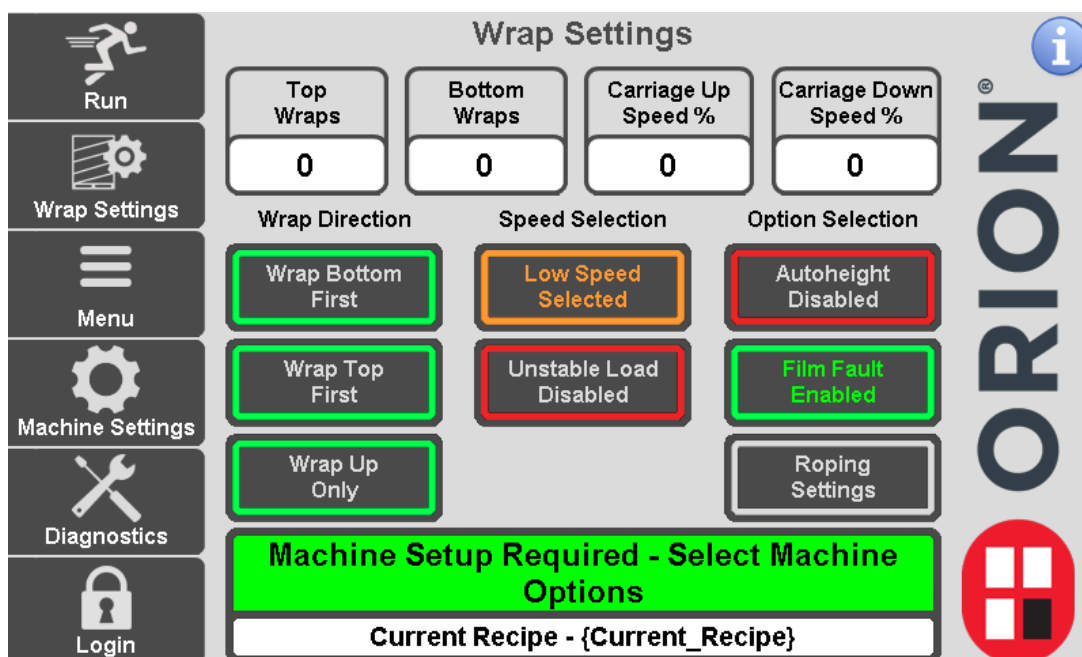
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Adjusting Wrap Settings

- To adjust the wrap setting, you must be logged in. Press the login button in the bottom left corner of the screen
- Enter the password then press the checkmark, then X to close the keypad.
- Press the Wrap Settings button to display the Wrap Settings Screen.
- Press the Top Wraps button to set the number of top wraps applied to the load. Parameters are 1-20.
- Press the Bottom Wraps button to set the number of bottom wraps applied to the load. Parameters are 1-20.
- Press the Carriage Up Speed % button to change the speed of the carriage on the upward move, in terms of percentage. Min - 5% Max - 100% The slower the move, the more film overlap on the load.
- Press the Carriage Down Speed % button to change the speed of the carriage on the downward move, in terms of percentage. Min - 5% Max - 100% The slower the move, the more film overlap on the load.
- You may choose more advanced wrap settings for Wrap Direction, Speed Selection, and Autoheight or Film Fault Enable/ Disable. See your manual for more information on these wrap setting adjustments.

Illustration 9 – Wrap Settings Screen





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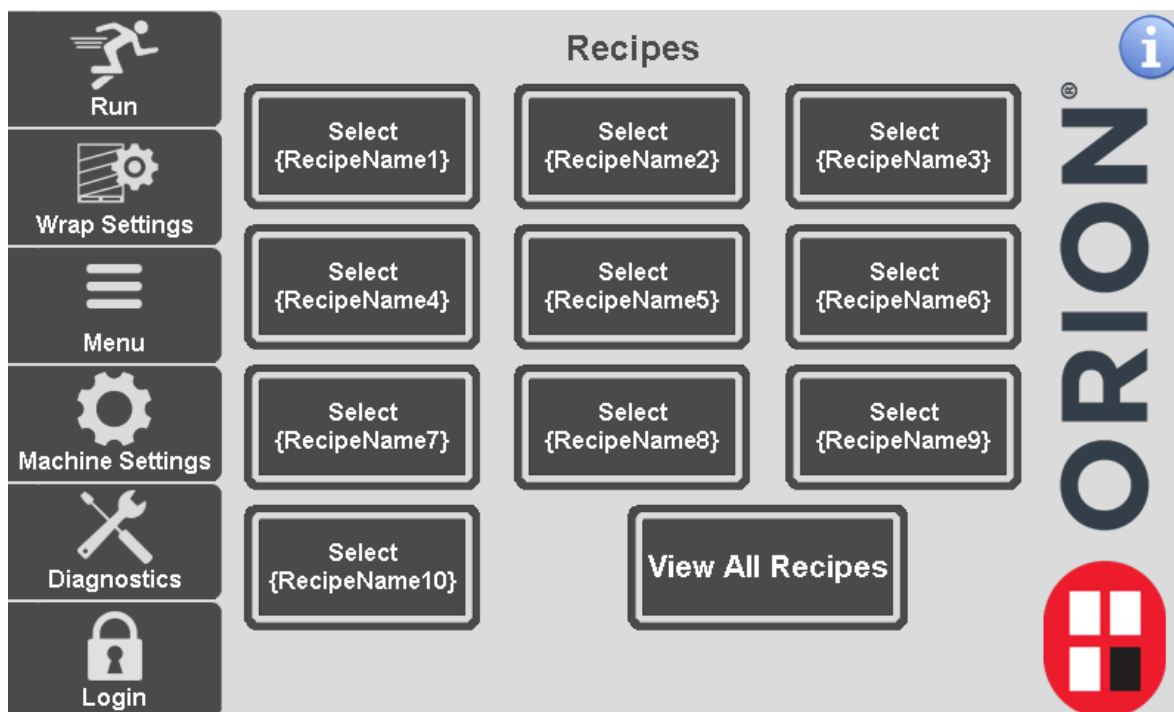
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Wrap Recipes

- Press the Menu, then Recipes.
- The Wrap Settings parameters set on the previous page are saved to the highlighted “Running Recipe.” You may set ten Wrap Recipes and name each.
- For example, if you are running a fragile light product and a heavy sturdy product, you would want to set up a recipe for each type of load. The light fragile load would have Wrap Top First and Unstable Load Selected, for instance. When you change to the sturdy load, you would want to quickly select the sturdy load on the recipe screen instead of changing the wrap parameter each time.
- Whichever Recipe you have selected on this screen is the recipe you are adjusting on the Wrap Settings, Main Drive, Reinforce, and Timer Screens.

Illustration 10 – Recipes Screen





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View All Recipes

- On the Recipes Screen, press View all Recipes.
- This screen is used to view the parameters you've set up for each recipe.
- You may press Next and Previous to scroll through each recipe to view their parameters.
- On this screen, you can edit the name of each recipe. To edit the name of the recipe, press the "Recipe #" box at the top of the page. A keypad appears to rename the recipe to rename to something more intuitive. For example, you may want to rename the loads from the previous page "Fragile" and the other "Sturdy."

Illustration 11 – Recipes Screen

View All Recipes

Previous 12345678901234567890 Next

Recipe Number 0

Top Wraps 0

Bottom Wraps 0

Carriage Up Speed 0

Carriage Down Speed 0

Autoheight Delay 88888

Wrap Direction Btm First

Speed Selection High Speed

Unstable Load Selection Disabled

Slowdown Position 0

Reinforcement Wraps 0

Tension - High Speed 0

Tension - Low Speed 0

Tension - Jog Speed 0

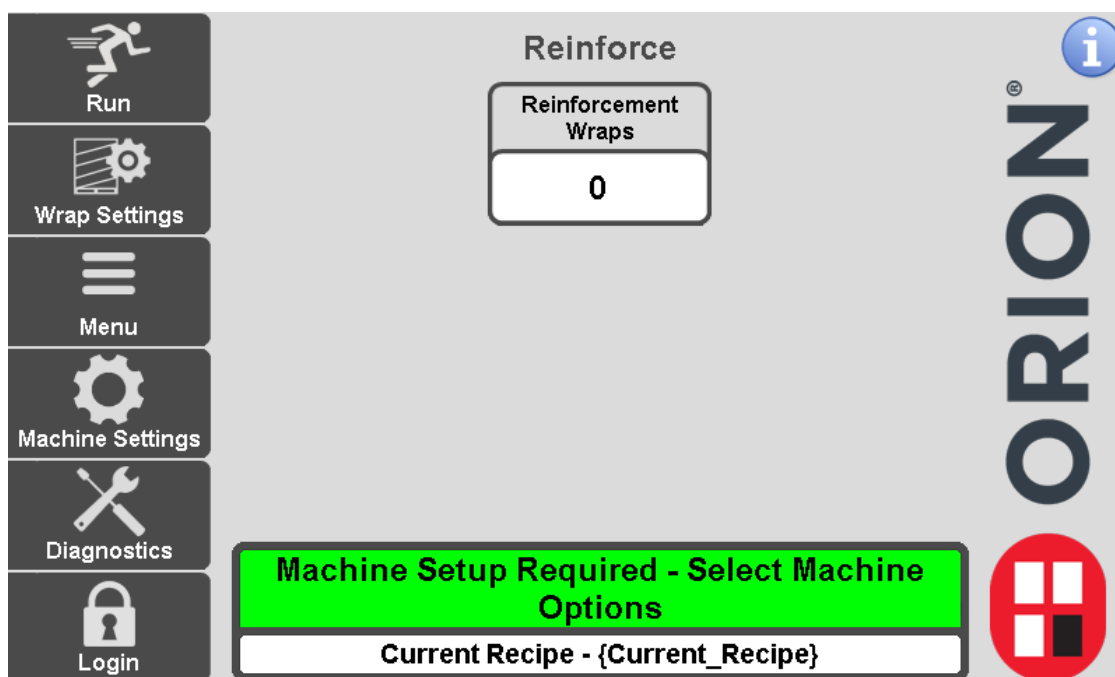
Tension - Manual Mode 0

Back

Reinforce Wraps

- You may set the number of reinforce wraps applied when the Reinforce button is pressed on the Run screen.
- To adjust the reinforce settings, you must be logged in. Press the login button in the bottom left corner of the screen.
- Enter the password then press the checkmark, then X to close the keypad.
- Press the Machine Settings button to display the Machine Settings Screen.
- Press Reinforce to display the Reinforce Wraps Setting Screen.
- Press the number under Reinforce to display the numeric keypad.
- Enter the number of reinforce wraps you desire to apply when the reinforce wraps button on the Run screen is pressed.
- Press Enter.

Illustration 12 – Recipes Screen



There are additional adjustments you can make on the HMI. For complete details, see your user manual.