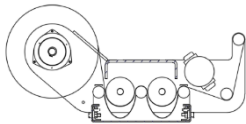
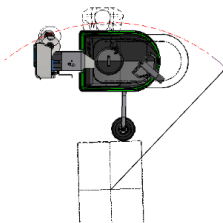


## Installation

To get started wrapping pallets with the Handle It 3000 Robotic Stretch Wrapper, unload the machine using the fork truck lift points at the front or rear of the machine. Once the machine is unloaded, attach the guide wheel using the 3 countersunk screws. Load the film on the carriage spindle and route according to the diagram. The machine is now ready for use.



## Operation



Power the machine on by turning the on switch and holding for 3 seconds. To begin wrapping pallets, position the machine next to the desired pallet with the controls located on the handle. Be sure there is an additional 56" clear around the pallet for the machine to operate. Raise or lower the height of the guide wheel as needed to allow smooth rotation around the pallet.

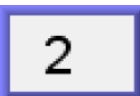
## Manual Mode

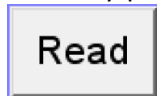
Enter into manual mode by pressing  , the carriage can then be raised up and down by pressing the corresponding buttons on the display and holding in the start button. The robot can be moved with the push buttons on the handle.

## Creating a Cycle

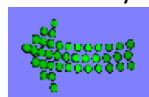
The Handle It 3000 mobile robot allows you to customize and save several wrap cycles. To begin

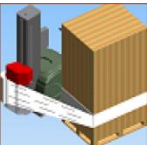
editing a cycle press  from the main screen. Select which slot you would like the program to

be saved in by pressing   , this program can be saved with  and loaded

with  . Once the cycle is saved pressing  will display the main screen and allow for the machine to wrap with that particular cycle.

The Handle It 3000 has 14 customizable parameters that defines a cycle. The parameters are separated in

different pages on the display. Navigate these pages with  and .

|                                                                                     |                                                                                   |                                                                                     |                                                                                                                                                               |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>Cycle Type:</b> Toggle between a pass up/down cycle or just a pass up cycle.11 |    | <b>Middle Wraps:</b> Set how many times and at which height (cm) the robot wraps. <i>Optional</i>                                                             |
|    | <b>Rotation Speed:</b> Set how quickly the robot moves around the pallet.         |    | <b>Start Height:</b> Set a height (cm) that the robot begins wrapping at. <i>Optional</i>                                                                     |
|    | <b>Tension:</b> Controls the amount of tension is applied to the film.            |    | <b>Pallet Height:</b> Turns off the auto-height detection of the machine and allows user to set desired raised height. <i>Optional</i>                        |
|   | <b>Top Wraps:</b> How many times the machine wraps the top of the pallet.         |   | <b>Pallet Perimeter:</b> User sets the perimeter (cm) that the robot uses to determine starting/stopping points. <i>See Perimeter Table for quick values.</i> |
|  | <b>Bottom Wraps:</b> How many times the machine wraps the bottom of the pallet.   |  | <b>Top Sheet:</b> Enables Top sheet cycle and has user determine overhang of top sheet.                                                                       |
|  | <b>Up Speed:</b> How quickly the carriage rises.                                  |  | <b>Overwrap Height:</b> The height (cm) of film that goes over the top of the pallet.                                                                         |
|  | <b>Down Speed:</b> How quickly the carriage lowers.                               |  | <b>End Height:</b> User determines the height at which the carriage is at the end of the cycle. <i>Optional</i>                                               |

| Pallet Length (in) | Pallet Width (in) |     |     |     |     |     |
|--------------------|-------------------|-----|-----|-----|-----|-----|
|                    |                   | 30  | 36  | 40  | 42  | 48  |
|                    | 30                | 305 | 335 | 356 | 366 | 396 |
|                    | 36                | 335 | 366 | 386 | 396 | 427 |
|                    | 40                | 356 | 386 | 406 | 417 | 447 |
|                    | 48                | 396 | 427 | 447 | 457 | 488 |
|                    | 60                | 457 | 488 | 508 | 518 | 549 |
|                    | 72                | 518 | 549 | 569 | 579 | 610 |
|                    | 84                | 579 | 610 | 630 | 640 | 671 |
|                    | 96                | 640 | 671 | 691 | 701 | 732 |
|                    | 120               | 762 | 792 | 813 | 823 | 853 |
|                    | 144               | 884 | 914 | 935 | 945 | 975 |

*Perimeter Table: Shows the perimeter (cm) of various sized pallets*

| in | 1  | 2  | 3  | 4   | 5   | 10  | 15  | 20  | 25  | 30  | 40   | 50   | 60   | 70   | 80   | 90   | 100  |
|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| cm | 3  | 5  | 8  | 10  | 13  | 25  | 38  | 51  | 64  | 76  | 102  | 127  | 152  | 178  | 203  | 229  | 254  |
| mm | 25 | 51 | 76 | 102 | 127 | 254 | 381 | 508 | 635 | 762 | 1016 | 1270 | 1524 | 1778 | 2032 | 2286 | 2540 |

*Standard to Metric Conversion*