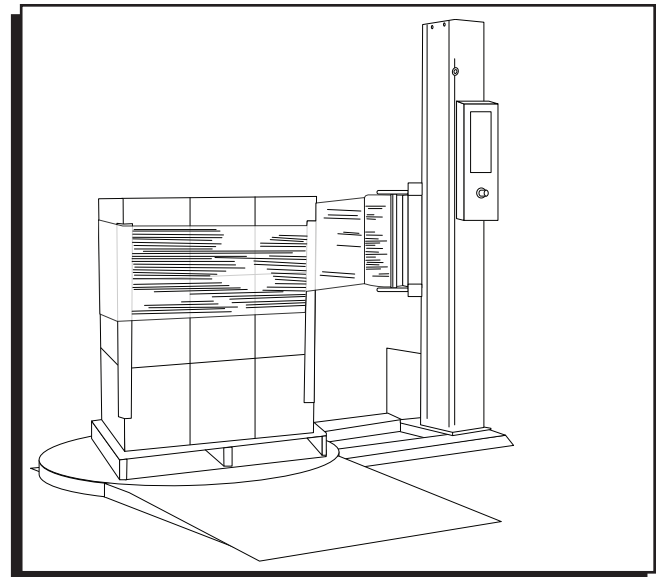


ULINE H-1020

1-800-295-5510
uline.com

80" AUTOMATIC STRETCH WRAP DISPENSER



SYSTEM SPECIFICATIONS

MACHINE DIMENSIONS

Length	98"
Width	60"
Height	91"
Turntable Diameter	60"
Turntable Height from Floor	3"
Wrapping Height	80"
Operation Space	98 x 60 x 91"
Maximum Load Size	52 x 52 x 72"
Approximate Shipping Weight	1175 lbs

ELECTRICAL SPECIFICATIONS

115 VAC, 60 Hz, Single-phase, 15 AMP

TURNTABLE SYSTEM

- 20 loads per hour (spiral)
- 12 RPM turntable maximum speed
- 4,000 lbs turntable maximum load capacity

FILM CARRIAGE / ELEVATOR SYSTEM

- Adjustable raise and lower speeds
- Automatic height detection photoelectric sensor

FILM DELIVERY SYSTEM

- Infinite / Manual Stretch Adjustment
- 10" Diameter Roll Capacity
- 20" Roll Width Capacity



CAUTION! Motor control equipment and electronic controllers are connected to hazardous line voltages. When servicing drive and controllers, there may be exposed components with housings or protrusions at or above line potential. Extreme care should be taken to protect against shock.

The user is responsible for conforming to all applicable code requirements with respect to grounding requirements. Do NOT use extension cords to operate the equipment.

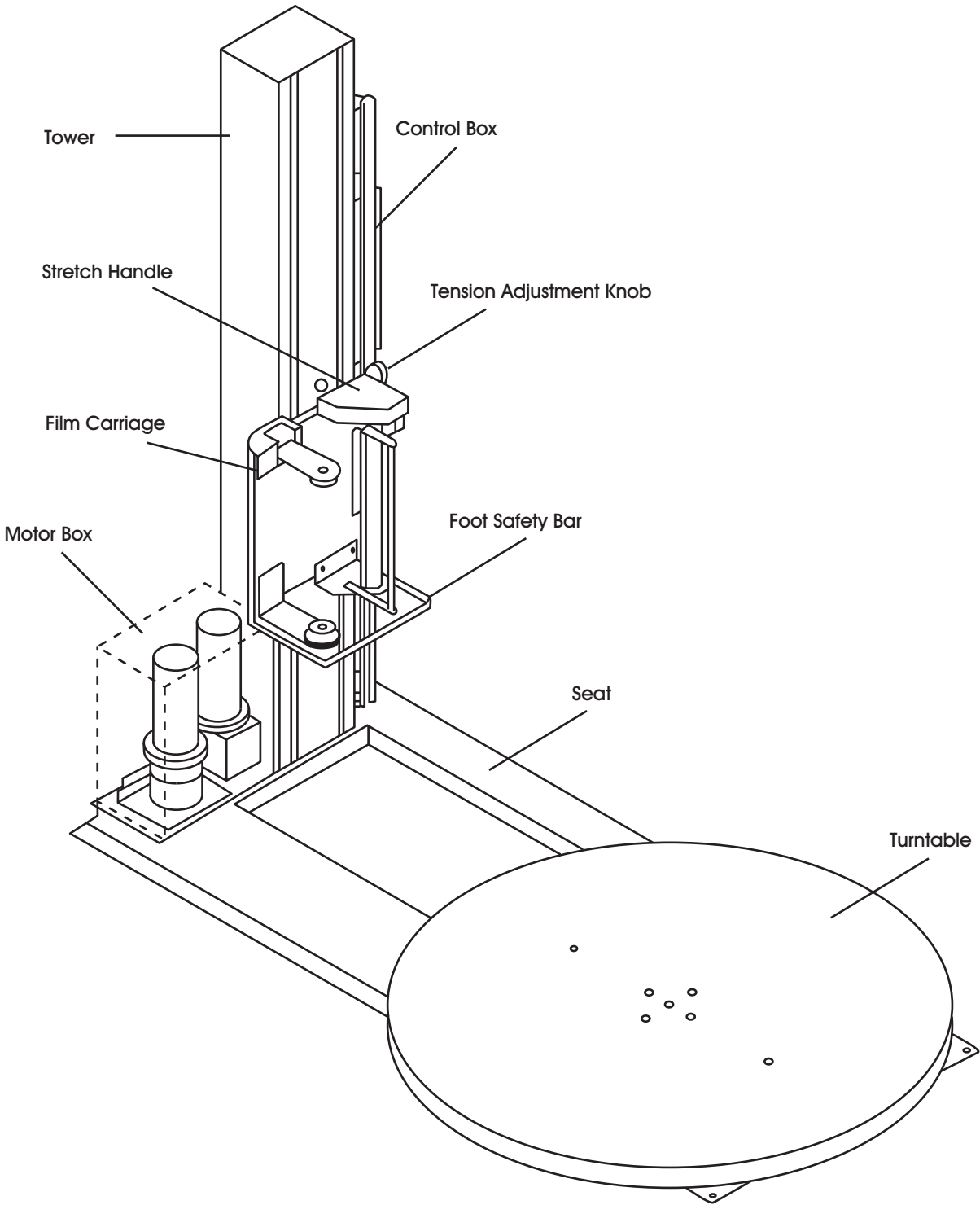
Disconnect AC input power before checking components, performing maintenance, cleaning up, and when the machine is not in use. Do NOT connect or disconnect wires and connectors while power is applied to circuit.

Wiring work should be performed only by qualified personnel. There is a danger of electric shock or fire.



WARNING! Loose clothing must NOT be worn while the machine is in operation. Stay clear of moving parts while the machine is running.

SYSTEM DESCRIPTION



SYSTEM SET-UP

MACHINE PLACEMENT

Place the Automatic Stretch Wrap Machine close to an area where you will be wrapping your pallet loads. Make sure that there is sufficient room to load/unload the machine and that you do not stretch the wiring cable. Remember, you will need to provide electrical service to a 120 VAC, 15-AMP outlet.

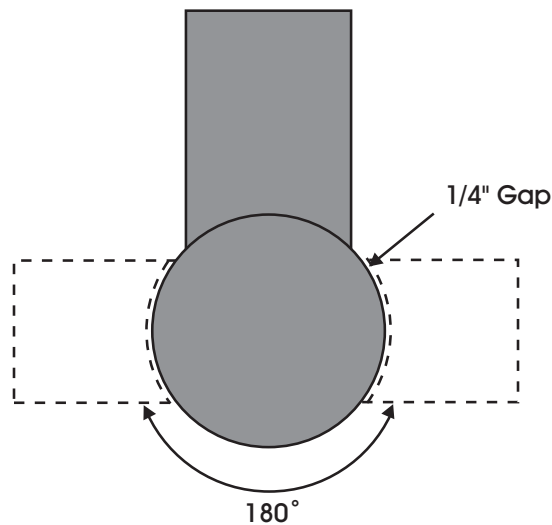
FLOOR WEIGHT BEARING TOLERANCE

The floor must be able to bear the weight of the machine, the weight of the maximum load, plus a safety factor. The floor must also be able to tolerate the stress of the machine's operation. If fork trucks will operate on the same weight bearing area, add the weight of the trucks to the weight bearing stress tolerance requirements.

MACHINE SET-UP

1. Place skidded machine close to the designated wrap area. Remove all shipping fasteners holding the machine to the pallet. The machine may be crated with the tower tilted down and the motor cover front carriage roller removed for shipping purpose.
2. Place forks of the forklift through the tubes provided at the rear base of the module, remove the machine from skids and place it at the designated wrap area.
3. If the OPTIONAL ramp (H-1071) is purchased: Select a ramp position as illustrated below. The ramp can be positioned anywhere in a 180° rotation around the front of the turntable. There should be a 1/4" gap between the turntable and the ramp. The ramp should be fully supported by the floor. (See Figure 1)

Figure 1



CONTROL BOX

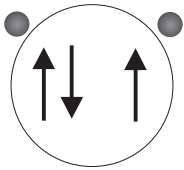


LED DISPLAY



- EO Emergency Stop Condition
- System is normal
- A Mode A Selected
- B Mode B Selected
- CO Continue operation by pushing START button
- S System is in Manual

BUTTONS

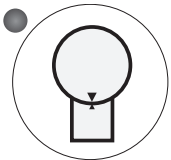


WRAPPING MODE A - WRAP UP AND DOWN

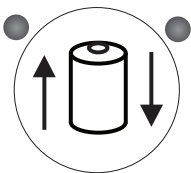
The LED on the button's upper left is on. In Mode A, the bottom wrap is applied first, and then the top wrap follows. The film carriage comes down to its home position after wrapping cycle is finished.

WRAPPING MODE B - WRAP UP ONLY

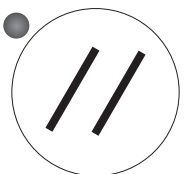
The LED on the upper left is on. In Mode B, after a bottom to top wrapping is completed, the carriage stays on the top. The START button flashes at this point. To resume the operation, push START. When the carriage reaches the bottom, the START button turns off. Push START button again to begin a new cycle.



The TURNTABLE JOG button allows you to manually operate the turntable. When this button is pushed, the light on the button's upper left is on. Push START button to run the table. Pushing the button again will stop the turntable and the light will turn off. This button may be used in conjunction with the CARRIAGE JOG button.



The CARRIAGE JOG button allows you to manually operate the carriage. When this button is pushed, one of the lights on the button's upper right or left is on. The upper left light indicates that the carriage will go up when the START button is pushed. Conversely, the upper right light indicates the carriage will go down when the START button is pushed. To pause operation, simply push this button again. Both indicator lights will go off. This button may be used in conjunction with the TURNTABLE JOG button.



Push this RESET button, followed by the START button, to reset the system. The turntable will return to its home position and the carriage will lower.

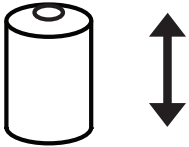


Push the TOP WRAPS button to select the number of top wraps desired (0 - 9).

OPERATOR CONTROLS CONTINUED



Push the **BOTTOM WRAPS** button to select the number of bottom wraps desired (0 - 9).



Turn the **CARRIAGE SPEED** adjustment knob clockwise to increase, and counterclockwise to decrease the carriage speed. This allows you to adjust the overlap of your film.



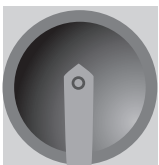
Turn the **TURNTABLE SPEED** adjustment knob clockwise to increase, and counterclockwise to decrease the turntable speed.



The **BANDING** button is used for applying multi-layer reinforcing wraps in automatic or manual mode. Push and hold this button: the carriage will stop raising / lowering. When released, the carriage will resume its movement.



The **EMERGENCY STOP** button stops the turntable in the event of emergency. This will **NOT** stop the turntable instantly. The turntable will coast to a stop, depending on the load's weight, after this button is pushed.



This switches the main power **ON** or **OFF**. Also used to resume operation after power has been shut off.



WARNING! The **FOOT SAFETY BAR**, located underneath the film carriage, works only when the machine is **ON**. When the bar is activated, the main power will shut **OFF**. Releasing the bar will re-activate the main power. Push **START** button to resume the operation.

MACHINE OPERATION

FILM LOADING



CAUTION! Be sure **EMERGENCY STOP** is pushed in before threading the film and pulled out when the film is threaded.

1. Place the film on the film mandrel.
2. Set the Stretch Handle to the OFF position to release film tension.
3. Follow the Film Feed Diagram and thread the 6 foot film tail **ALL THE WAY** through the rollers.
4. Set the Stretch Handle to the OFF position to release film tension.
5. Rotate the Stretch Tension Adjustment Knob clockwise to increase film tension or counterclockwise to decrease film tension.
6. Attach the film securely to the pallet. Tying the end of the film in a knot often helps secure the film to the pallet.

NORMAL SYSTEM START-UP

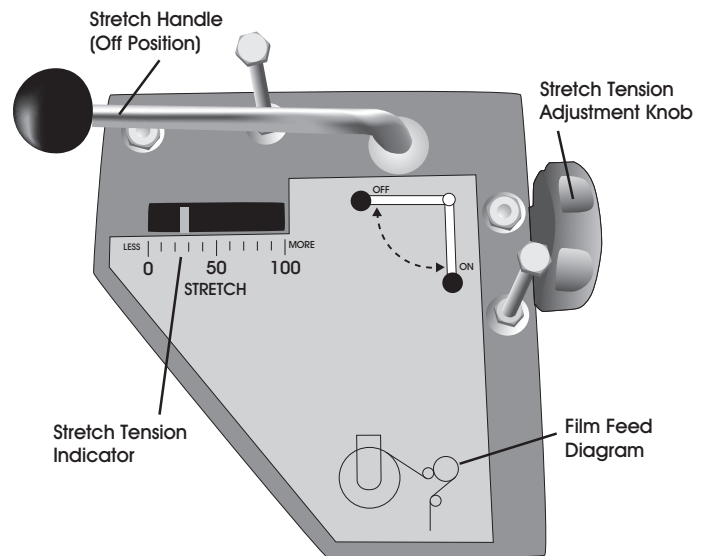
1. Place the film on the film mandrel.
2. Set the Stretch Handle to the OFF position to release film tension.
3. Thread the film as instructed and attach it to the product.
4. Set the desired numbers for top and bottom wrap counts.
5. Select wrapping mode A or B.
6. Press the **START** button to initiate cycle.

STOP CONDITION

1. In the event of an emergency, press the **STOP** button. This cancels the current wrapping cycle and immediately stops the system.
2. Correct the problem
3. Pull the **STOP** button out and perform normal system start-up procedure.



NOTE: After pressing the **STOP** button, wait for at least **60 seconds** before pulling the button back out. This will allow the microcontroller card to completely turn off.



APPLYING REINFORCEMENT WRAPS

1. Press the **START** button as normal to initiate cycle.
2. As the carriage travels up, press and hold the **BANDING** button. The carriage travels up, press and hold the **BANDING** button. The carriage will stop and reinforcing wraps will be applied.
3. Letting go of the **BANDING** button will resume the cycle.

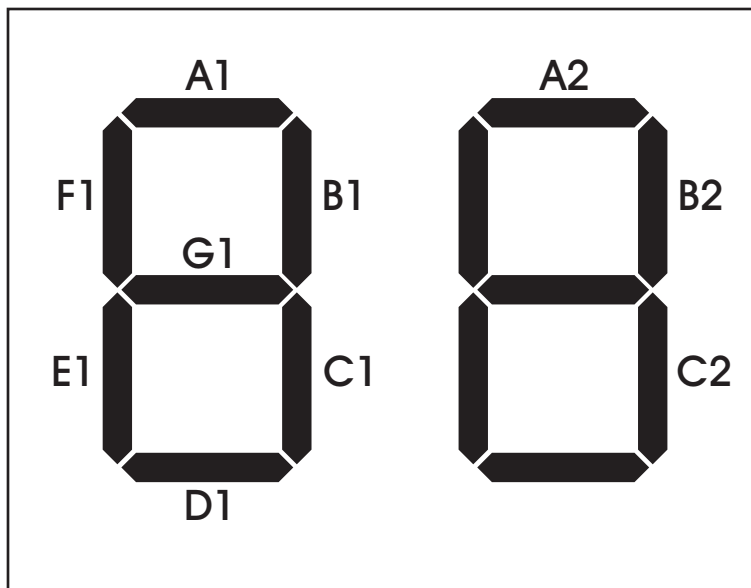
SELF-TEST PROCEDURE

An operator may check the status of the machine by running a self-test. If the procedure is carried out properly, the INFO screen will display the location of the problem(s).

To run the self-test, follow the procedure below:

1. Turn the turntable and carriage speed adjustment knobs to maximum (clockwise) position.
2. Put a load on the turntable (about 3 feet tall).
3. While holding down the TURNTABLE JOG and CARRIAGE JOG buttons, turn the main disconnect switch ON.
4. Release the buttons after the screen shows "EE".
5. Push the START button. The machine will run the test, which takes approximately 2 minutes.
6. The screen will display the alarm code. Refer to the table below for code information.

DISPLAY	POSSIBLE PROBLEM LOCATION(S)
A1	Film carriage Safety Bar EMERGENCY STOP button Electrical enclosure safety switch
B1	Film carriage max upper limit switch
C1	Film carriage max down limit switch
D1	Turntable count/home proximity switch
E1	BANDING push button
F1	START push button
G1	Package height photo sensor
A2	START light
B2	Turntable motor
C2	Carriage motor



TROUBLESHOOTING



WARNING! Make sure that only qualified personnel perform inspection, troubleshooting and part replacement.



CAUTION! Disconnect all power, including external control power that may be present, before servicing the frequency drive controllers. **WAIT** for three (3) minutes for the DC bus capacitors to discharge. The frequency drive controller's display and/or LEDs are not accurate indicators of the absence of DC bus voltage.

OPERATING ISSUE	CAUSES	RECOMMENDATIONS
Machine not powering on.	Main power is turned off.	Check that power is going to the machine. Verify that switch is turned on.
	Machine not plugged into 120VAC outlet.	Verify the voltage going to the machine matches the power supply labels on the power module.
	Power supply faulty.	
	Internal battery not charged.	
	Film carriage foot engaged.	Remove obstruction from Film Carriage foot.
Film carriage malfunctioning.	FILM CARRIAGE SPEED dial not set high enough.	Adjust potentiometer towards 100% to set speed.
	Resistance of potentiometer not equal to 5K_ across.	Tighten wiring, replace dial if necessary.
	The carriage limit switch lever arm is obstructed.	Remove obstruction and/or clean limit switch head.
	Microcontroller card inside electrical enclosure not turned on.	Check and switch on the main circuit breaker.
Turntable is malfunctioning.	Turntable speed potentiometer dial not set high enough.	Adjust potentiometer towards 100% to set speed.
	Resistance of potentiometer not equal to 5K_ across.	Tighten wiring, replace dial if necessary.
	Microcontroller card inside electrical enclosure not turned on.	Check and switch on main circuit breaker.
	The turntable motor is not running.	Tighten or replace motor wiring as necessary.
		Check turntable for mechanical restrictions.
Replace microcontroller or turntable output relav.		