

# ***XTREME XM-100***

## **BULK Loader**

### **Operation Instructions and Technical Information Guide**



Shown with XM-1 Versatile Friction Feeder

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**Illustrations in this guide are for reference only and may depict optional features that are available at additional costs.**

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## **Table of Contents**

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<b>Section 1:</b>	<b>Specifications &amp; Machine Overview</b>
<b>Section 2:</b>	<b>Operation and Adjustments</b>
<b>Section 3:</b>	<b>Components</b>
<b>Section 4:</b>	<b>Wiring and Electrical Detail</b>
<b>Section 5:</b>	<b>Warranty</b>

## Section 1: Specifications & Machine Overview

### Specifications

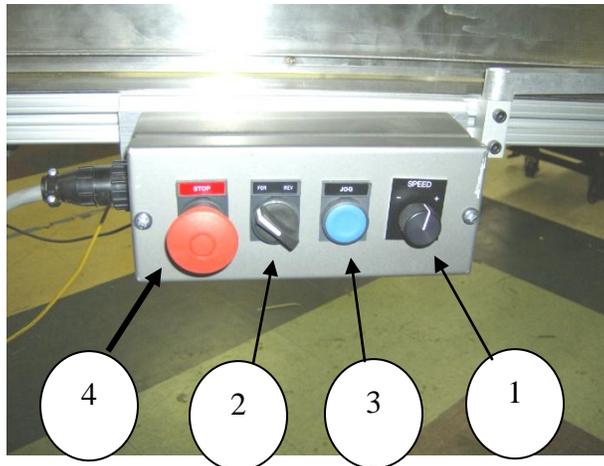
Minimum Product Size: ..... 3 x 5 in  
Maximum Product Size: ..... 12 x 12 in  
Min./Max. Product Thickness: ..... .003 x .75 in  
Maximum Cycle Speed..... Variable up to 300 IPM  
Electrical Requirements: ..... 115vac, 60Hz, 6A  
Fusing ..... 6.25A 250V Slo-Blo 5 x 20 mm

**CAUTION:** Double pole/neutral fusing. For continued protection against fire, replace only with same type and rating of fuse.

### Overview

#### Operator Station

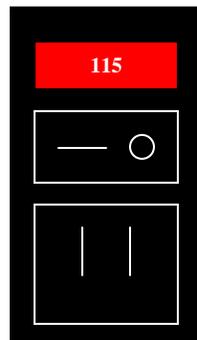
1. Belt Speed Control Knob: Turn clockwise to increase speed, counterclockwise to decrease speed.
2. Forward/Reverse Selector Switch: Selects conveyor direction.
3. Jog: Jogs the conveyor.
4. Stop Button: Push/pull - Stops the motor / belts.



### Connecting Power

The XM-100 Bulk Loader must only be connected to a 110-120VAC source, and the power entry module must be set for 115V.

1. Before powering on, make sure the 115V tag is showing through the window in the power entry module. If the 220V tag is showing, the module must be opened and the switch block must be removed, turned 180 degrees and re-inserted so the 115V tag shows through the window when the receptacle is closed.



2. The unit is protected by a 6A/250V fuse. The fuse is located inside the power entry module. To replace/inspect the line fuse, switch the power to off, disconnect the power cord, and open the module to remove the switch block. In each side of the switch block is a 6A/250V fuse. If the fuse has blown, it will normally show discoloration. You can also check the fuse using an ohm meter.

Replace the blown fuse with a new fuse of the same type and rating. Re-insert the switch block, making sure the 115V tag shows through the window when the module is closed.

3. Make sure the power switch is set to the OFF position.
4. Connect the power cord to the AC socket in the power entry module. Connect the other end of the power cord to an earth grounded 110-120VAC outlet.

## Section 2: Operation and Adjustments



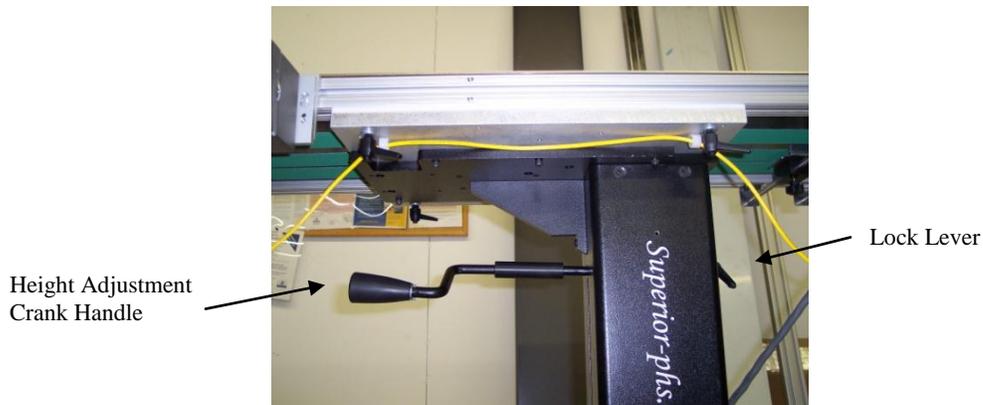
### IMPORTANT

Preparing for operation is based on the material you are going to run. The following are basic guidelines. Additional adjustments will be necessary in order to properly feed product. After all the adjustments have been made, be sure to test run to verify the settings.

#### STEP 1:

##### Height Adjustment

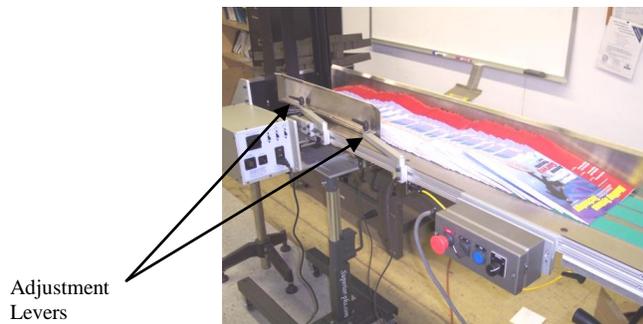
The discharge of the XM-100 must be set slightly higher than the component it is feeding. Loosen the lock lever on the stand and then turn the height adjustment crank to set the height.



#### STEP 2:

##### Set Up

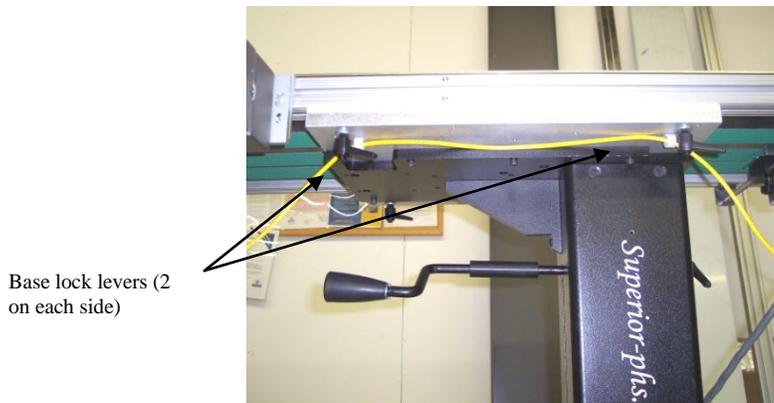
The XM-100 side guides are adjustable to accommodate the varying sizes of products. To adjust, loosen the levers and slide the side guides open to allow for wider material or closed to allow for narrower material. Place shingled product between the guides. Press the jog button to advance product toward the device you are feeding into. Place product into the device's hopper below the level of the XM-100 side guides.



The discharge of the XM-100 must be set above the device it is feeding into to allow product to fall into the device's hopper. Turn the height adjustment crank on the stand to set the height of the XM-100. The front edge of the discharge end must be set approximately 1/16 in (depending upon product type) from the product in the device's hopper. This keeps product that rests above the target hopper from slipping back towards the conveyor.

When you have completed the height adjustment, tighten the lock lever on the stand.

With the pedestal feet of the stand firmly on the floor and the stand off the casters, loosen the 4 base adjust lock levers to move the XM-100 base forward or backward. DO NOT adjust the XM-100 too far back! The bulk of the weight is toward the rear and may cause the unit to tip back.



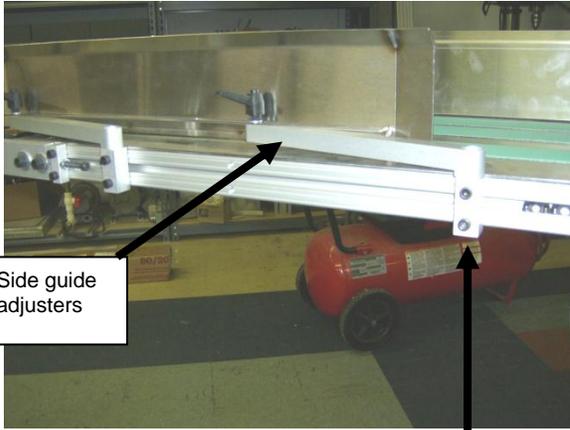
Start the device you are feeding into and the XM-100 at slow speed to test.

Product discharged from the XM-100 must be set at a speed sufficient to strike the target device's stop plate and fall evenly into the device's hopper. Adjust the speed controls until the XM-100 drops a constant, even level of product into the device's hopper.

**Section 3: Components**

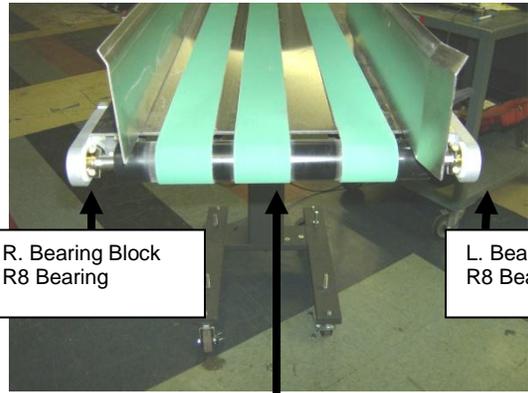
<b>Qty</b>	<b>Description</b>	<b>Part Number</b>
1	Stack monitoring sensor assembly	100390
3	Transport belt, green	100307
1	Drive motor	100330
1	Motor pulley	100344
1	Drive pulley	100343
1	Drive control board	100329
1	Power supply	100331
1	Drive belt 165L050	100370
1	Power cord	100431
5	Mount, side guide adjusters	100305
5	Side guide adjusters	100312
1	Short side guide	100313
1	Long side guide	100314
2	Tensioner block	100328
1	Drive / Idler shaft	100308
1	Drive / Idler pulley	100311
3	Belt guide	100335
3	Mount block, belt guide	100334
2	Adjustment shaft, belt guide	100333

*Reference illustrations – next page*



Side guide adjusters

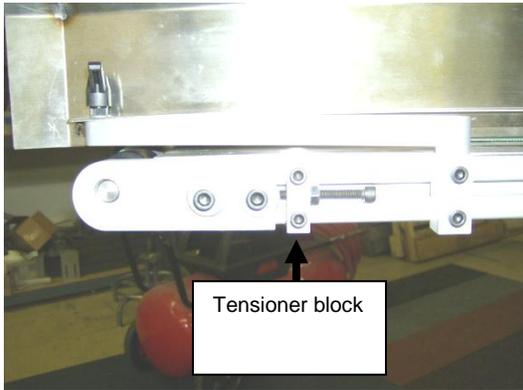
Mount, side guide adjusters



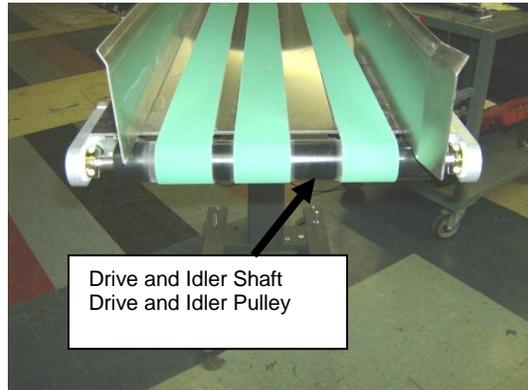
R. Bearing Block  
R8 Bearing

L. Bearing Block  
R8 Bearing

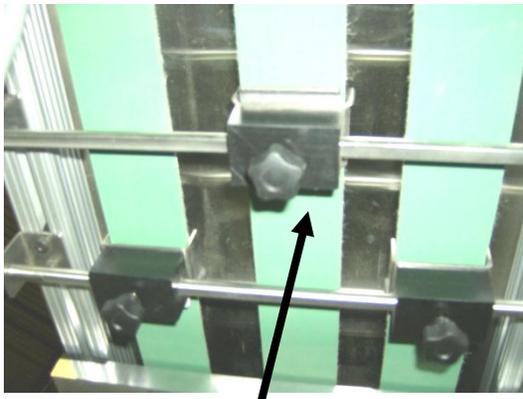
Transport Belt



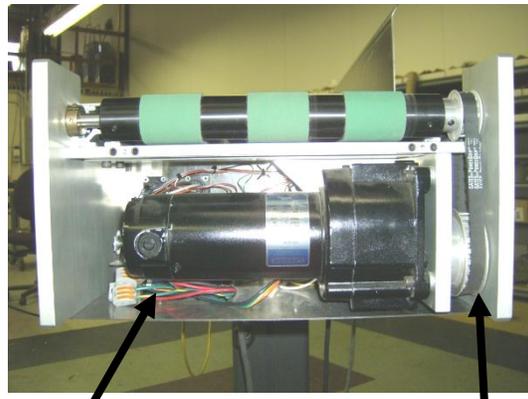
Tensioner block



Drive and Idler Shaft  
Drive and Idler Pulley



Belt guides,  
mounting blocks,  
and adj. shaft

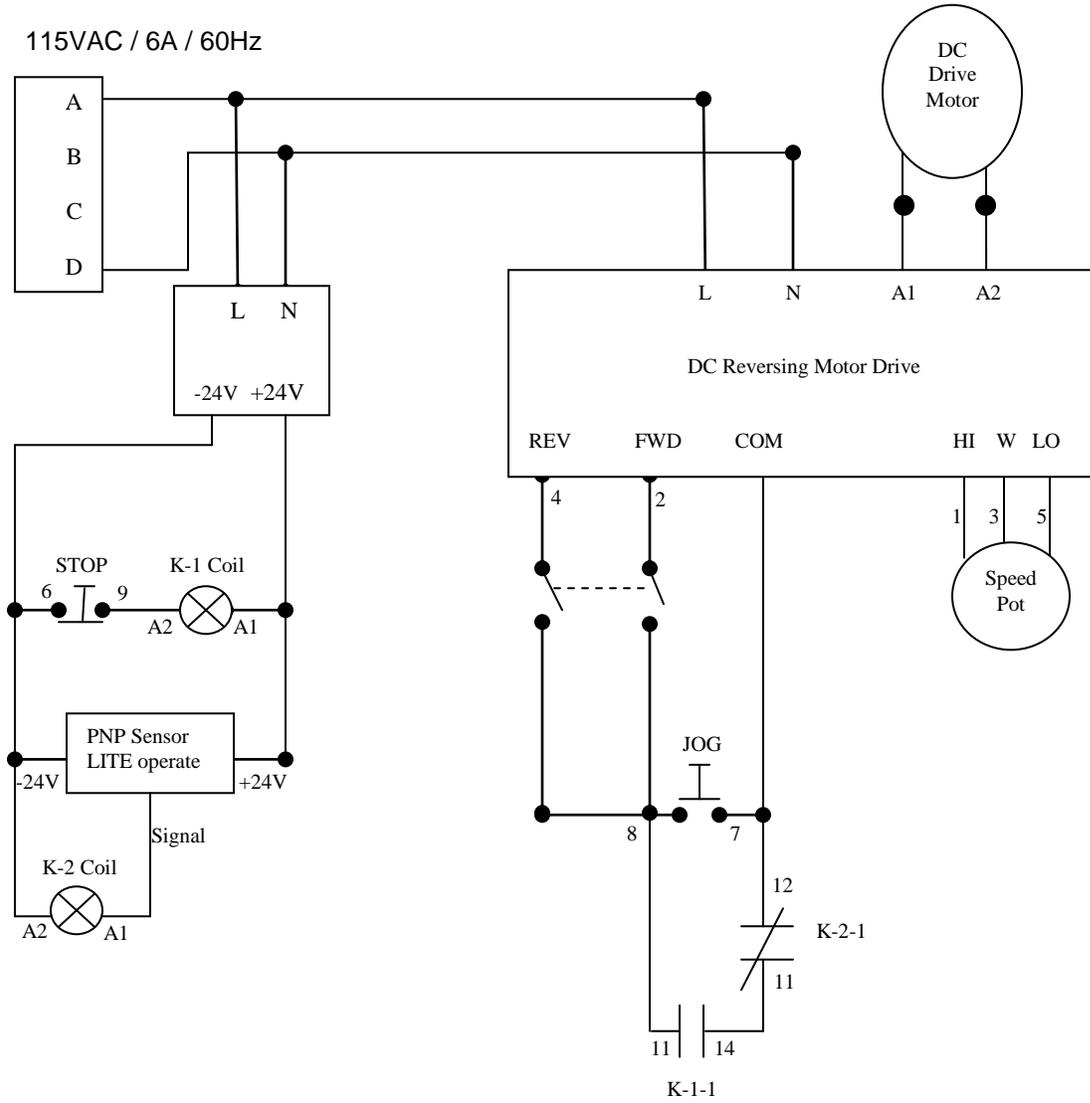


Drive Motor

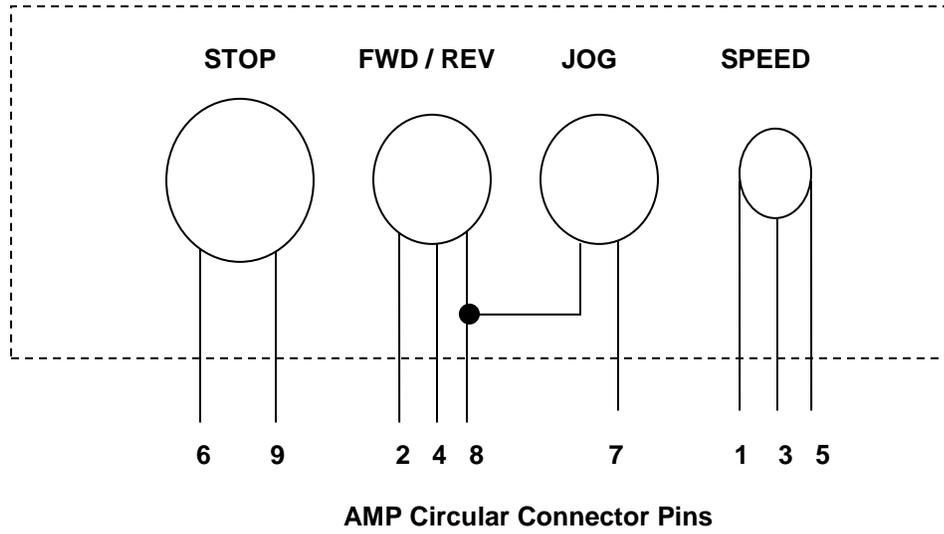
Motor pulley, drive pulley, drive belt

## Section 4: Wiring and Electrical Detail

### Schematic



## Operator Controls



## Section 5: Warranty

### ***SUPERIOR – PHS LIMITED WARRANTY***

Superior Paper Handling Solutions, Inc. (Superior – PHS) warrants this product to be free from defects in materials and workmanship, when used under recommended operating conditions, for a period of one year from the date of original shipment.

If you discover a defect during the warranty period, please notify the distributor from whom you purchased this product, who will arrange for the replacement parts to be sent to you. Defective parts must be returned to Superior – PHS for credit on replacement parts. Shipping and labor costs are not included in this warranty. If the defect is not field-repairable, and if you return it to Superior – PHS during the warranty period, Superior – PHS will, at its sole option, repair or replace this product, at no charge to you other than shipping charges to and from the facility in Minneapolis, Minnesota.

If you return this product to Superior – PHS for warranty repair or replacement, please attach to the returned product your name and your company's name, address, telephone number and fax number; a description of the problem; and a copy of the bill of sale or invoice that shows the appropriate serial number for the product. All returns must be accompanied by an authorized Superior – PHS Returned Goods Authorization (RGA) number. An authorized RGA number can be obtained from the Superior - PHS distributor from whom you purchased this product.

This warranty applies only to products manufactured by Superior - PHS. This warranty does not apply if the product has been damaged by accident, abuse, misuse, neglect, improper maintenance, misapplication, or as a result of being attached to equipment not supplied by Superior - PHS; if the product has been modified without the written permission of Superior - PHS; or if the product's serial number has been removed or defaced. This warranty further does not apply to the failure of any rubber-based or consumable components including, but not limited to, rollers, bearings, belts, fuses, or bulbs.

**ALL IMPLIED WARRANTIES INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND THE IMPLIED WARRANTY OF MERCHANTABILITY ARE HEREBY DISCLAIMED.**

Superior - PHS is not responsible for special, incidental, or consequential damages resulting from any breach of warranty or under any other legal theory, including lost profits, downtime, goodwill, or damage to or replacement of equipment or property.

This warranty and the remedies set forth above are exclusive and are in lieu of all others, oral or written, express or implied. There are no warranties that extend beyond the description on the face hereof. No Superior - PHS employee, distributor, or agent is authorized to make any modification, extension, or addition to this warranty.

