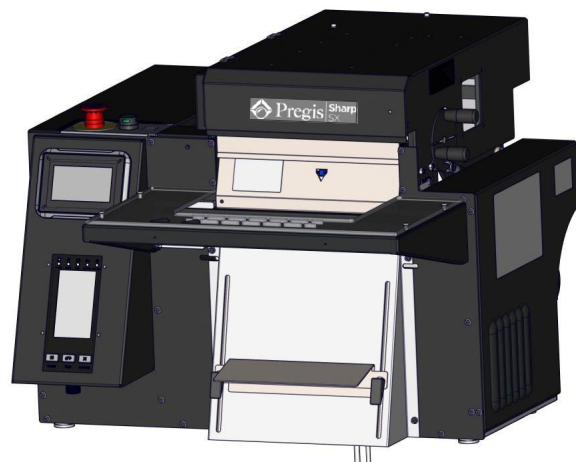


Pregis Sharp™ SX Bagging Machine Operator Manual Model 1195

REV 3 - Original Instructions in English



Products worth protecting deserve Pregis

www.pregis.com



Property of Pregis LLC

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Revision

Rev. #	Changes Made	Date
0	• Initial Release	5/23/2025
1	• Added Revision History page	6/6/2025
2	• Updated to Pregis Format	8/4/2025
3	• Added Printer Label Print Timeout Fault	3/3/2026

Pregis Sharp™ SX Operator Manual—Model 1195

For Manual/Service Contact visit
Service & Support | Pregis - www.pregis.com/contact-us/service-support/

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Languages Of Operation Disclaimer

It is illegal to operate this machine in an EU member state if this (or any other related) manual is not written in that State's language. If a translated version is needed, contact Pregis to order the manual.

The original version of this manual is in English and denoted "Original Instructions" in the top right corner. All translated versions are denoted "Translation of Original Instructions" in the same location.

Declaration of Conformity

The level of airborne noise emitted by the complete system as workstations, "The sound pressure level measured at the operator station does not exceed 70 db(A)".

EU Declaration of Conformity

PREGIS CORPORATION
SHARP PACKAGING SYSTEMS
N59 W22387 Silver Spring Drive
Sussex, WI 53089
USA

Name and address of the company established in the European Union authorized to compile the Technical File:
ACC – Services Contact
78 Allée Primavera
Centre Ubidoca 2402
74370 Annecy
FRANCE

PREGIS CORPORATION declares under our sole responsibility that the product described as:

Equipment Name: Sharp Bagger
Model: 1195 SX
Serial Number(s): 4XXXXXXX

Complies with the requirements of the following EU Directives:

Machinery Directive 2006/42/EC
Electromagnetic Compatibility Directive 2014/30/EU

Main standards considered:

EN ISO 12100:2010, EN 415-3:2021
EN 60204-1:2018, EN ISO 13849-1:2023
EN 61000-6-2:2019, EN 61000-6-4:2019
EN 63000:2018

Date: October 2 2024

At: Sussex, Wisconsin USA

Name of authorized company representative: Mr. Ben Hess, Engineering Manager
Mailing Solutions & Bagging Enterprise

Signature: 

Declaration of Conformity

The level of airborne noise emitted by the complete system as workstations, "The sound pressure level measured at the operator station does not exceed 70 db(A)".

UK Declaration of Conformity

PREGIS CORPORATION
SHARP PACKAGING SYSTEMS
N59 W22387 Silver Spring Drive
Sussex, WI 53089
USA

Name and address of the company established in the United Kingdom authorized to compile the Technical File:

ACC – Services Contact
International House
10 Churchill Way
Cardiff CF10 2HE
UNITED KINGDOM

PREGIS CORPORATION declares under our sole responsibility that the product described as:

Equipment Name: Sharp Bagger
Model: 1195 SX
Serial Number(s): 4XXXXXXX

Complies with the requirements of the following UK Regulations:

Supply of Machinery (Safety) Regulations 2008
Electromagnetic Compatibility Regulations 2016

Main standards considered:

BS EN ISO 12100:2010, BS EN 415-3:2021
BS EN 60204-1:2018, BS EN ISO 13849-1:2023
BS EN 61000-6-2:2019, BS EN 61000-6-4:2019
BS EN 63000:2018

Date: October 2 2024

At: Sussex, Wisconsin USA

Name of authorized company representative: Mr. Ben Hess, Engineering Manager
Mailing Solutions & Bagging Enterprise

Signature: 

Introduction

READ ALL INSTRUCTIONS BEFORE OPERATION

General Information

Thank you for purchasing the **SX bagger**. The **SX bagger** is the low cost solution for manually bagging product, dramatically reducing packaging costs and improving package quality.

The **SX bagger** has an integrated high-performance printer for printing barcodes, text, or graphics on the packaging material.

The materials used were selected for maximum durability and optimum performance. Every unit is thoroughly inspected and tested prior to shipment.

- Upon receipt, unpack and inspect the unit for damages that may have occurred during shipment. Pregis is not in any way responsible for any damages that occur during transport. If you receive damaged equipment, it is your responsibility to make a claim with the transporter.
- Read instructions carefully. Be familiar with the controls and proper use of the unit. Do not operate the machine when tired, ill, or under the influence of alcohol, drugs or medication.
- The instructions and data in this manual are vital to the proper installation and operation of this equipment. In order to avoid delays due to faulty installation and operation of the machine, please see that these instructions are read by the persons who will install or operate or maintain the machine.
- The WARNING instructions issued in this manual are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense, caution and carefulness are factors that cannot be built into all machines. These factors must be supplied by the persons installing, maintaining, or operating the machine. Failure to install, maintain, and/or operate the equipment according to the manufacturer's instructions may result in conditions which can produce bodily injury and/or property damage. Contact Pregis about any problems or conditions you do not fully understand.

Equipment Safety Features

The safety information presented in this manual are guidelines that should be followed by all personnel. Anyone operating or maintaining the equipment should read and follow all safety information in this manual, without exception.

DO NOT DISABLE OR REMOVE SAFETY DEVICES DESIGNED INTO THIS MACHINE.

All Operators should be familiar with their own Labor Protection Guidelines. Hands, arms, hair and clothing should not be near any moving or heating parts of the machine. Do not turn the machine ON if any of the machine's components have been removed or modified.

Emergency Stop (E-Stop) Button

An Emergency Stop (Red) Button is located above the Display Panel, which immediately stops the machine when pressed by de-energizing power to the PLC outputs, motors, and motor drives.

Fire Prevention

Keep a fire extinguisher near the machine. This **SX bagger** is not suitable for use in a potentially explosive atmosphere. Keep machine away from any sparks, flames and flammable materials. Unplug the machine before maintaining or cleaning. All electrical components must be in good condition and clean.

Electrical fires can occur if any wires are scratched, corroded, color-faded, lost their insulation or have damaged wire ends. These should be changed immediately.

Any exposed electrical components should never come into contact with the ground-connector and any other electrically conductive objects such as tools.

Electrical Precautions

Ensure no liquids are near the machine to eliminate the possibility of spilling onto any electrical components and creating a short circuit.

Should a liquid spill onto the machine, turn off the power immediately and once having cleaned the liquid, test all the electrical components to ensure they are functioning properly. To avoid short-circuiting, keep all wires and connections clean and keep your body, hand-held tools and any other electrically conductive objects away from any exposed electrical components.

Ensure the Main Cover is always installed to cover electrical components, unless needed for maintenance. Always ensure that the ground wire is firmly connected with the ground before starting the machine. Use double grounding for added protections. After installation, check all electrical connections and test all electrical circuits before starting the machine.

Grounding Instructions

Improper connection of the equipment grounding conductor can result in a risk of electrical shock. Check with a qualified electrician or service person if you are in doubt as to whether your machine outlets are properly grounded.

This machine must be grounded. In the event of malfunction or breakdown, grounding will reduce the risk of electrical shock by providing a path of least resistance for electrical current. This machine is equipped with a cord having an equipment-grounding conductor for a 3 prong grounding plug. The plug must be connected into an outlet that is properly installed and grounded in the accordance with all local codes and ordinances. Do not modify the plug provided with the machine.

If your electrical supply does not meet the above specifications, or if you are unsure your building has an effective ground, have a qualified electrician or your local electrical utility company check the ground and correct any problems.

The safety information presented is a guideline that should be followed by all personnel. Anyone operating or maintaining the equipment should read and follow all the information in this manual, without exception.

Storage

If the machine will not be used for a considerable amount of time, it should be stored in the original shipping crate to protect it from damage.

End of Life Service

If the machine or parts of the machine have to be permanently put out of service, laws and Directives in force at the time of the dismantling have to be strictly observed and complied with. In any case, check which materials can be recycled. These must be sent to an appropriate waste collecting company.



About This Manual

This manual has been prepared for your use in operating the **SX bagger**.

Included in the manual are helpful facts on operating and basic troubleshooting information.

It is important that you familiarize yourself with the product as much as possible before operating or troubleshooting.

Make sure you read through the

IMPORTANT SAFETY INFORMATION section of this manual before operating this machine.

The **SX bagger** is designed to be an effective solution for manually bagging product, dramatically reducing packaging costs and improving package quality. The **SX bagger** platform features an integrated pivoting Printhead utilizing a Zebra ZT610 printer.

The printer utilizes ZPL® or ZPLII® programming language. Communicates in printable ASCII Characters and is Unicode™ compliant. XML-Enabled Printing - direct connect integration for barcode label printing.

Print Method	Thermal Transfer, directly onto Surface of bag.
Print Speeds	2-12 IPS (50-304 mm/sec)
Print Resolutions	300 dpi (11.81 dot/mm)
Print Width (max.)	4.09" (104 mm)

Your **SX bagger** is the result of extensive research and field testing with the following features:

- State of the art *Step Logic Programming* technique that logically controls each machine action (step) in sequence and verifies that the correct action occurred with sensor feedback.
- Simplified layout of digital outputs in PLC program for ease of troubleshooting.
- Improved fault handling that can display multiple fault conditions simultaneously.
- Simplified operator set-up.
- Displays all PLC I/O status, including Expansion I/O.
- Manual pushbuttons on Service Screens provide both text and color cues as to the state of the device.

- Help Screens show setting range and default values.
- Speed settings in inches/second instead of raw numbers.

The materials used were selected for maximum durability and optimum performance. Every unit is thoroughly inspected and tested prior to shipment.

Machine Placement

Your **SX bagger** has been shipped to you well crated in order to prevent any damage to the machine. It is important that you follow the Uncrating Instructions attached to crate.

Upon receipt, unpack and inspect the unit for damages that may have occurred during shipment. Pregis, LLC is not in any way responsible for any damages that occur during transport. If you receive damaged equipment, it is your responsibility to make a claim with the transporter.

Lifting the SX Bagger is a two person operation. Only lift from Base Plate, do not lift from

Touchscreen Housing, Unwind Shaft or Jaw Guard.

After being uncrated, ensure all nuts, bolts and screws are tightened as they can come loose during shipping.

The **SX bagger** should be placed in a dedicated space for operation on a smooth rigid vibration free level surface in a well ventilated space with access to 230 VAC, 50/60 Hz, 15 Amp properly grounded electrical outlet.

Locate the machine so there is adequate access to the side for loading bag film.

Make sure unit is located at a comfortable height for operation and product loading.

Important Safety Information

The safety information is presented as a guideline that should be followed by all personnel. Anyone operating or maintaining the equipment should read and follow safety information in this manual, without exception.

Operation, cleaning or maintenance should not be performed unless safety precautions are thoroughly understood.

- Follow all instructions in this manual for safe operation.
- Follow all company and industry standard safety policies regarding this kind of machinery that may exceed those listed in this manual.
- Keep all safety features, guards, interlocks and sensors in good working order.
- Keep the area surrounding the machine free from debris. Spent film/bags should not be allowed to accumulate around machine.
- Follow all company and industry standards with the use and wearing of Personal Protective Equipment. "**PPE**".

Definition of Terms



Throughout this manual, you will find the following safety notices with the accompanying symbol. This symbol signifies important safety issues regarding the operation and maintenance of the **SX bagger**.

	WARNING
GENERAL WARNING: Indicates information important to the proper operation of the equipment, failure to observe may result in damage to the equipment and severe bodily injury or death.	

	CAUTION
GENERAL CAUTION: Indicates information important to the proper operation of the equipment, failure to observe may result in damage to the equipment and minor bodily injury.	



WARNING!

OPERATING MACHINE WITHOUT SAFETY GUARDS IN PLACE MAY RESULT IN SERIOUS BODILY INJURY.



WARNING!

DISCONNECT ELECTRICAL POWER CORD FROM THE MACHINE PRIOR TO PERFORMING ANY MAINTENANCE ON MACHINE.

Safety Labels

General Danger Label



This label is located on the **SX bagger** wherever a removable shield or panel guards electrical components to warn of potential danger behind shield or panel. Always disconnect electrical power from machine prior to removing any guards and/or panels with this label.

Electric Shock/Electrocution Label



This label is located on the **SX bagger** wherever a removable shield or panel guards electrical components to warn of potential danger behind shield or panel. Always disconnect electrical power from machine prior to removing any guards and/or panels with this label.

Important Safety Information

Side Crush



This label is placed onto removable shields, panels, or guards near the Sealing Jaw of the **SX bagger** to warn of potential crush danger. Always disconnect electrical power from the machine prior to removing any guards and/or panels.

Hand Entangle Belt Driven Hazard



This label is placed onto removable shields, panels, or guards covering pulleys and belts. Always disconnect electrical power from the machine prior to removing any guards and/or panels.

Burn Hazard Label

This label is placed onto removable shields, panels, or guards near the Heated Sealing Area of the **SX bagger** to warn of potential



burn danger. Always disconnect electrical power from the machine prior to removing any guards and/or panels.

Danger/Entanglement Hazard

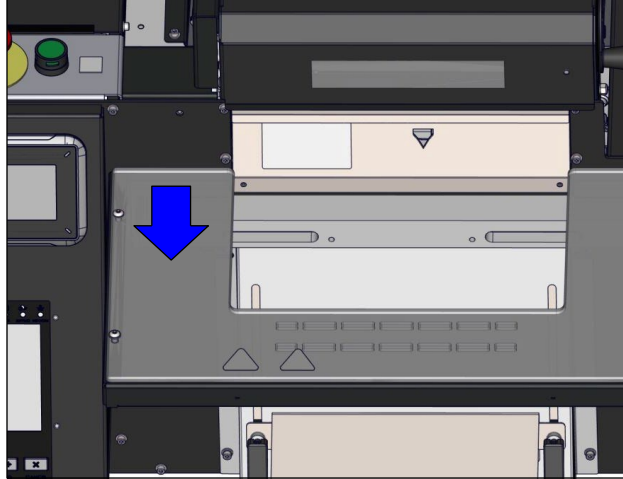


This label is placed where there is the potential of your hands, long hair, jewelry, etc., becoming entangled between two rotating parts. Be sure to secure loose items before approaching and operating the machine.

Important Safety Information

Equipment Safety Features

The **SX bagger** is equipped with a Lexan Guard covering the Pressure Jaw and Impulse Heated Seal Point.



DO NOT operated the unit with this feature removed.

Obstruction Sensing Jaw

 WARNING!
THE SX bagger IS EQUIPPED WITH JAW OBSTRUCTION DETECTION SENSORS. THESE SENSORS ARE NOT DESIGNED, NOR INTENDED, TO BE A SAFETY SENSOR.

The Sealing Assembly is equipped with sensors, which can detect an obstruction in the Sealing Area. If the sensors detect an object preventing the Jaw from closing, the Jaw Solenoid will de-energize and place the machine into a fault condition.

A message appears in the display informing the Operator of the Jaw Fault, allowing the Operator to clear the Sealing Area and reset the bagging cycle.

Emergency Stop (E-Stop) Button

An Emergency Stop (Red) Button is located above the Display Panel, which immediately stops the machine when pressed by de-energizing power to the PLC outputs, motors, and motor drives.

Specifications

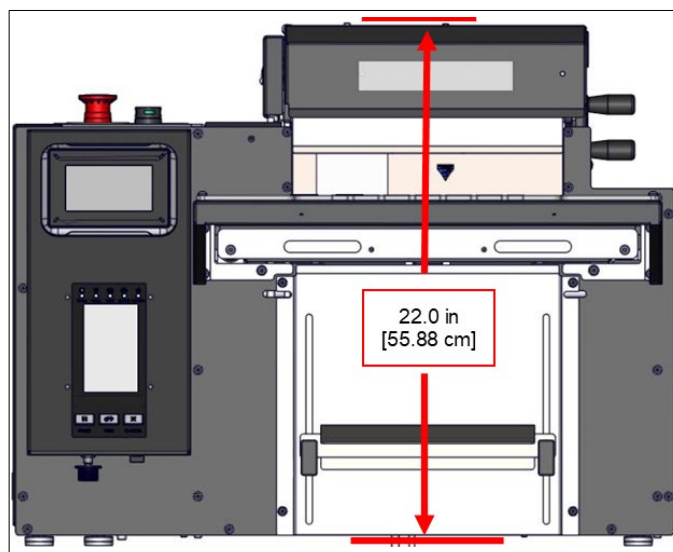
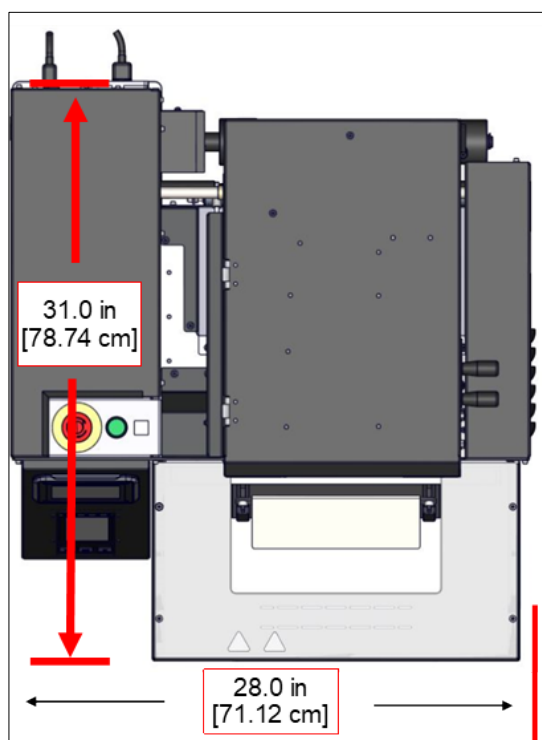
Packaging Specifications

	BAG WIDTH	BAG LENGTH	FILM GAUGE
MINIMUM	2" (5 cm)	4" (10 cm)	1 mil (25 microns)
MAXIMUM	11" (28 cm)	32" (81 cm)	4 mil (100 microns)

Machine Specifications

WIDTH	HEIGHT	DEPTH	WEIGHT	POWER	RATE	OPERATING TEMP	HUMIDITY RANGE
28" (71.12 cm)	22" (55.88 cm)	31" (78.74 cm)	140 lbs. (63.5 kg)	230VAC, 7A	35 BPM ¹	32° - 140° F (0° - 60° C)	10% - 90% RH, Non- Condensing

¹Material, gauge and size of package, along with weight and size of product will cause rate to vary.



Poly Lite™ Mailers and Bags Ribbon

The **SX bagger** is designed to use a wide variety of bag sized and materials. Poly Lite™ Mailers and Bags are recommended for optimum operating performance, efficiency and safety. System performance specifications are base on utilizing consistent, high quality, pre-opened bags. Any bag used must meet Pregis, LLC manufacturing tolerances. The following list shows some of the films available through Pregis, LLC.:

Poly Lite™ Bags

- General Purpose
- HD Mailer
- Military Specification Film
- Gamma Patient
- Non-Scratch Film
- Anti-Static
- Vapor Corrosive Inhibitor (VCI)

Contact Pregis Customer Service at +1 800-634-6359 to order Poly Lite™ Mailer and Bags and for information regarding film and bag specifications.

Thermal Transfer Ribbon

The **SX bagger** uses thermal transfer ribbon to print various information onto the bags as they pass through the machine. The following is a list of ribbon that is available through Pregis, LLC.:

- Standard Direct Wax Ribbon
- Premium Was Resin Ribbon.

Contact Pregis Customer Service at +1 800-634-6359 to order ribbon.

Technical Assistance

Assistance with the **SX bagger** can be obtained by contacting Pregis at:

Pregis US

Service:

+1 800-634-6359

E-Mail: sharpservice@pregis.com

Parts:

+1 800-634-6359

E-Mail: sharpparts@pregis.com.

Pregis International BV

Service: 00800 888 888 44

Before calling Service or Parts be sure to have the serial number of the bagger. This information can be obtained from the Serial Tag located under the Unwind Shaft. An example of the tag is below.

Security

Security Login

When machine is powered ON, the HMI is locked. This is evident by the “Keys” button on top left corner of screen. To unlock or Login to screen, press the “Keys” button. A Numeric Keypad will be automatically displayed. Enter the User and Password. There is another level of security access for Service Personal.

User: Operator

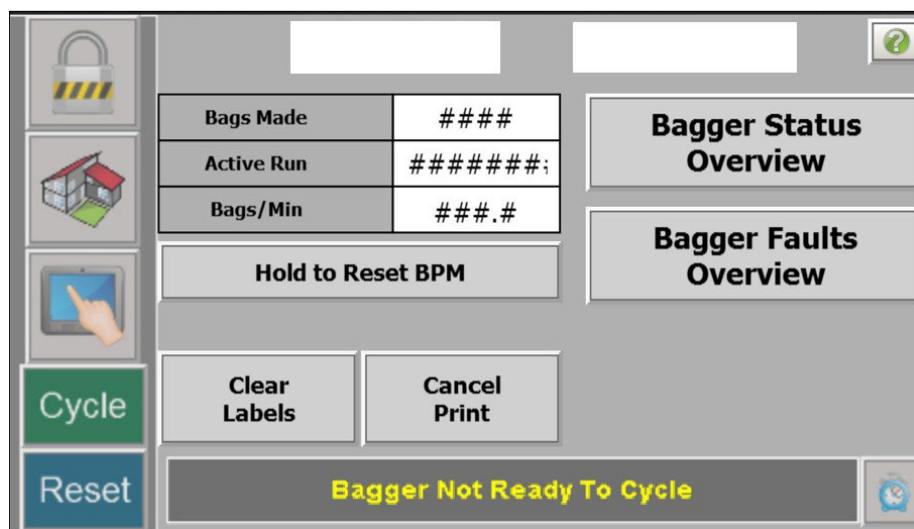
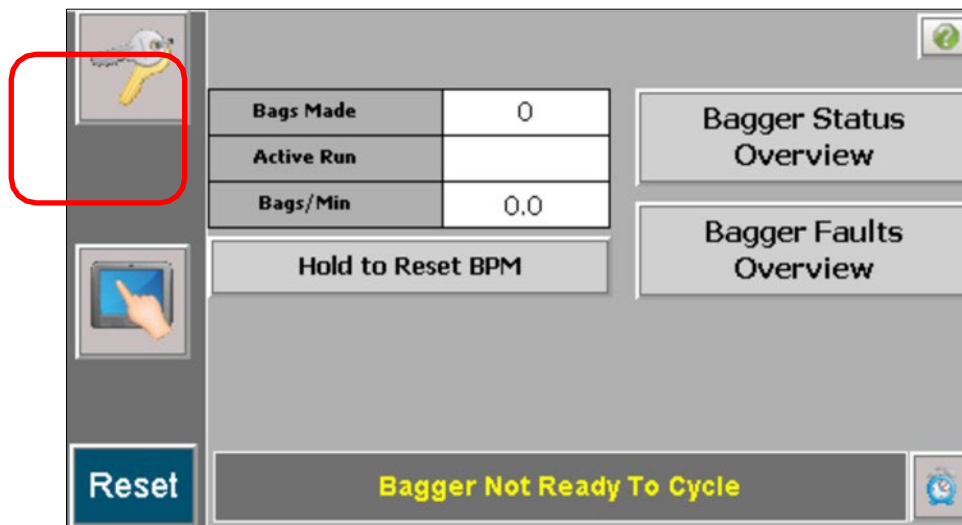
Password: 8815

Functions are limited to Operator level of security.

User: Maintenance

Password: 74277

Unlocks all functions of Service and Settings Screens.

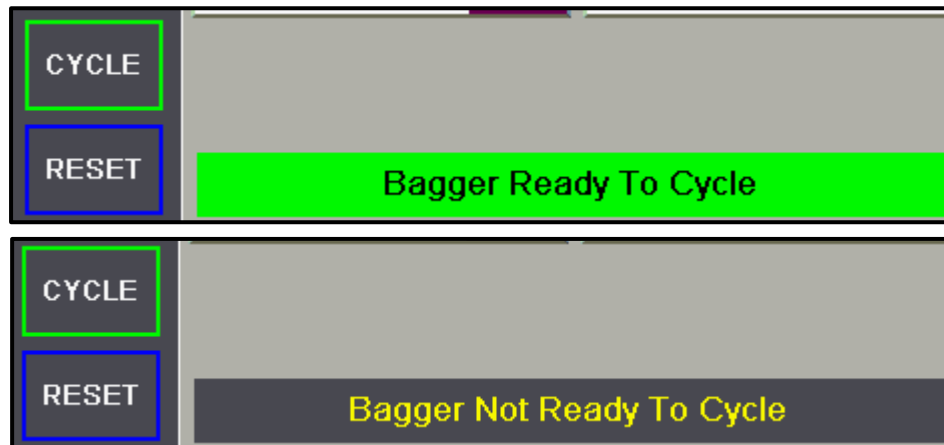


Controls

Screen Navigation

Operator Controls

The operator control buttons appear at the lower left hand side of every screen.



Pressing the **"CYCLE"** momentary pushbutton will initiate a bagger cycle if **"Ready To Cycle"** message is displayed. This HMI button is the equivalent to a mechanical Footswitch or Optical Palm button start signals.

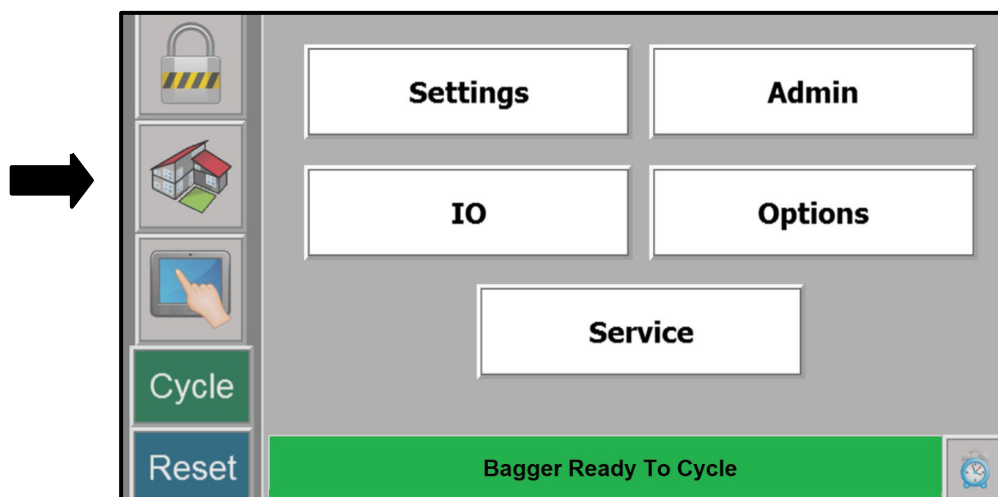
Pressing the **"CYCLE"** momentary button will stop subsequent automatic cycles from occurring when running in Filler or Auto modes. Note that this button will not turn off either option.

Pressing the **"CYCLE"** momentary pushbutton will have no effect if **"Not Ready To Cycle"** message is displayed.

Pressing the **"RESET"** momentary button will clear a fault or warning, provided the condition that caused the fault is no longer occurring.

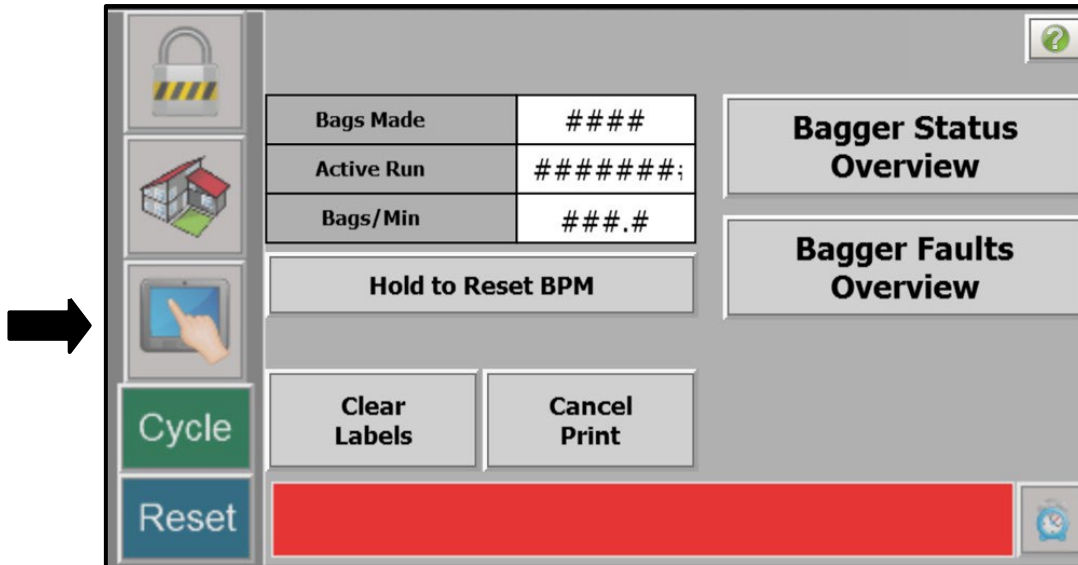
Home Screen

This screen is the Main Menu. This is the starting point to gather information and to set up the machine. This screen is access by pressing the HOME BUTTON on top left corner.



Dashboard Screen

This screen is the Dashboard. The Dashboard is the primary screen used by the operator. This screen is accessed by pressing the TOUCHSCREEN BUTTON below the Home Button. Dashboard appearance and configuration may vary based on options selected in the Settings Screen 2.

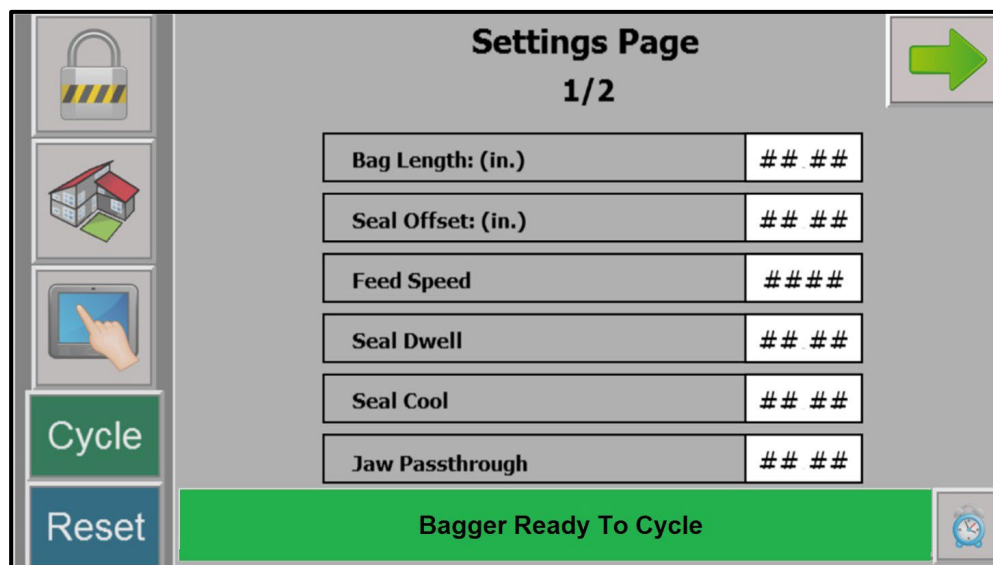


Controls

Settings Screen

Settings Screen 1

There are two screens that allow the user to view and change the current bagger settings.



From Home screen, press "Settings" button to access Settings Screens

Bag Length

This refers to the usable area inside the bag. This is measured from the bottom of the bag to the seal. The typical setting is 0.5" less than the measured overall bag length. When using Pregis bags, enter the length shown on the box or roll label.

Seal Offset Distance

The offset distance moves the seal point down from the nominal (zero offset) position. At zero offset, the seal is approximately 0.5 inches below the perforation. The pressure bar will make contact with the filled bag just below the perforation. As the user adds Seal Offset, the seal moves down.

Feed Speed

This setting adjusts the peak forward web speed in inches per second. The value can be varied from 4 to 30 in/sec.

Seal Dwell

The amount of time the impulse seal wire turns on. High quality seals are accomplished through proper seal time settings. These settings will vary with the film gauge and material.

Seal Cool

This setting adjusts the delay (in seconds) that occurs prior to opening the pressure bar. This can be used to allow additional cooling time for the bag seal. Increasing it will slow the machine and increase the bagger cycle time.

Jaw Passthrough

The distance between the pressure bar and the stripper plate when the Jaw is opened. It can be adjusted from 1.0 – 4.5" of passthrough.

Setting Screen 2

Batch Count Setting

The numeric entry next to the “Batch Counter” button is the Target Count and is adjustable from 2-9999. When the actual count equals this target, the bagger will be inhibited and cannot be cycled again until this counter is Reset.

Settings Page 2/2		
Batch Count Setting	####	Disabled
Parts Counter	####	Disabled
Consecutive Bags	####	Disabled
Filler Drop Time	##.##	Disabled
Separate Before Seal		Disabled
Automatic Logout Delay (S)	##.##	
Bagger Ready To Cycle		

Parts Counter

When the parts counter is turned on, the bagger counts each part as it is being loaded into the opened bag. When the terminal count is reached, the Filler Trigger signal is turned on to start the Filler Drop Timer.

Consecutive Bags

This is a special operating mode that allows multiple filled and sealed bags to be connected in a continuous strip. There are restrictions and limitations to this feature. This mode requires that the customer pay particular attention to keeping the drive rollers clean and in good condition. Dirty drive rolls can result in loss of registration and slipping.

Filler Drop Time

This is an adjustable time delay that provides a sufficient amount of time for the part to fall from the filler device into the opened bag and past the pressure bar. It can be adjusted from 0 – 9.99 seconds. Typically, the bagger is setup to run in Auto Filler Mode, so that when the Filler Drop Timer expires, the next bagger cycle will start.

Separate Before Seal

This button turns on a feature that, prior to sealing the bag, will reverse the web when the pressure bar is closed in order to disconnect the bag from the next bag.

Automatic Logout Delay (S)

The amount of time user will be logged out when machine is idle.

Disable/Enabled

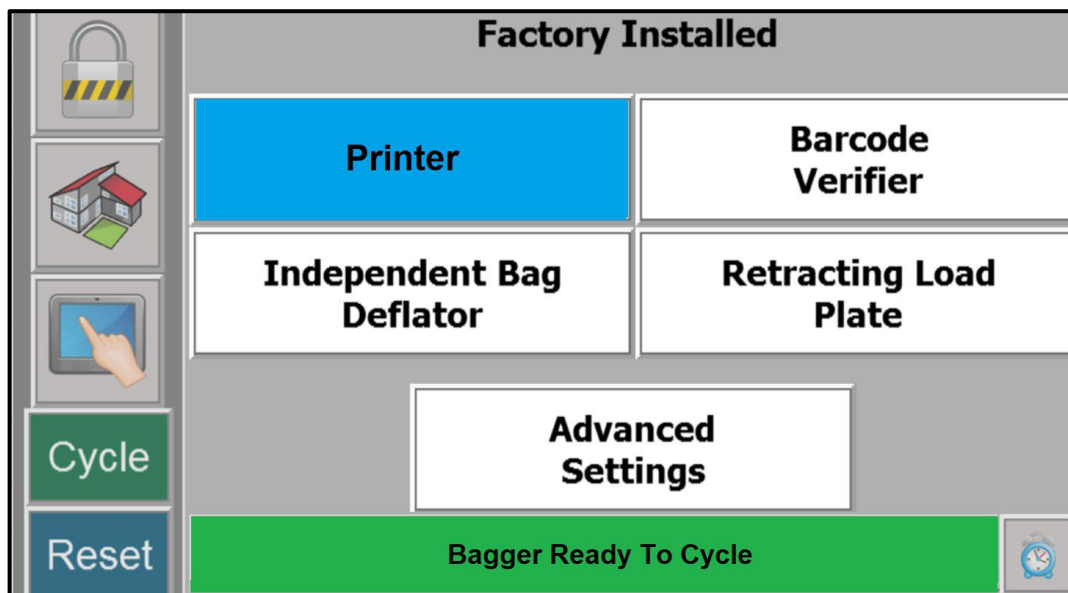
Turns function on or off.

Admin Screen

This screen is used to enable the options that are installed on the bagger. The option must be enabled here first before it can be used on the bagger. Press the 'Admin' button from Home screen to access Admin screen.

To enable an option, press the pushbutton of the option, the pushbutton will change color.

NOTE: Barcode Verifier, Independent Bag Deflator and Retracting Load Plate are not used. Do not enable them.



Controls

Advanced Settings

Advanced 1

There are three different Advanced Setting screens. Press the 'Admin' button from Home screen to access Advanced Settings screen.



Auto Mode

Turns Auto Mode ON. The term AUTO refers to how the bagger cycles. If the machine cycles bags continuously without the operator manually initiating each cycle start, not including the first bag out, then the machine is cycling automatically (AUTO). If each bagger cycle requires the operator to manually press a cycle start button, foot switch, etc., then the machine is said to be cycling in Manual Mode.

Auto Mode Dwell

The amount of time the jaw will remain open before bagger automatically cycles to seal bag.

Dry Cycle

This is a setting, when enabled, allows Sealing Cycle to run without bags loaded. This is used only for operational testing of Sealing Cycle.

NOTE: When Auto Mode and Dry Cycle Mode are activated, Dashboard screen will display banners.



Advanced 2

There are three different Advanced Setting screens. Press the 'Admin' button from Home screen to access Advanced Settings screen.

The screenshot shows the 'Advanced 2/3' settings screen. On the left is a vertical sidebar with icons: a padlock, a house, a hand pointing at a screen, and buttons labeled 'Cycle' and 'Reset'. The main display area has a title 'Advanced 2/3' at the top with left and right navigation arrows. Below the title are three settings: 'Bags Made' with a numeric display '#####', 'Standby Time (Min.)' with a numeric display '##.##', and 'Jaw Close (in.)' with a numeric display '##.##'. Below these is a button labeled 'Click to bypass clamping durring cycle'. At the bottom is a red bar and a small clock icon.

Bags Made

This numeric displays shows the total number of bagger cycles and cannot be reset.

Standby Time (Min.)

Jaw Close (In.)

This is the distance the jaw will travel to close.

Advanced 3

The only active button on this screen is Front Jaw.

Advanced 3/3

Load Shelf Zero

Actual Position	##.##
Alarm Code	#####

IBD Zero

Actual Position	##.##
Alarm Code	#####

Front Jaw Zero

Actual Position	##.##
Alarm Code	#####

Rear Jaw Zero

Actual Position	##.##
Alarm Code	#####

Cycle

Reset

Home

Front Jaw - Zero

Pressing this button will Home the Jaw.

Controls

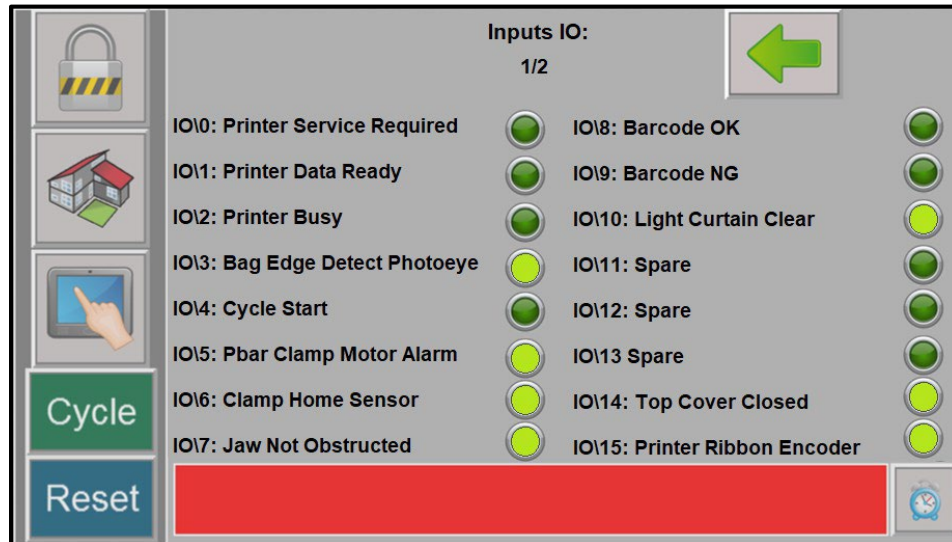
I/O Screen

This screen describes the I/O available to qualified service technicians and technical personnel.

The purpose of this screen is to aid in the troubleshooting and maintenance of the bagger. The section assumes that the person using this screen has a working knowledge of electronics and PLC based control systems.

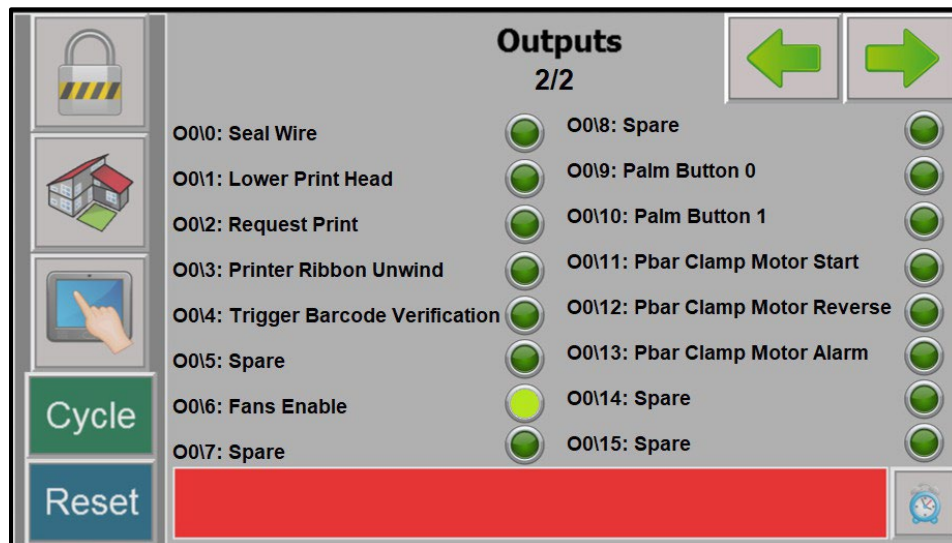
Input Screen

This screen shows the status of all Input points on the Main PLC and the expansion cassette.



Output Screen

This screen shows the status of all Output points on the Main PLC and the expansion cassette.

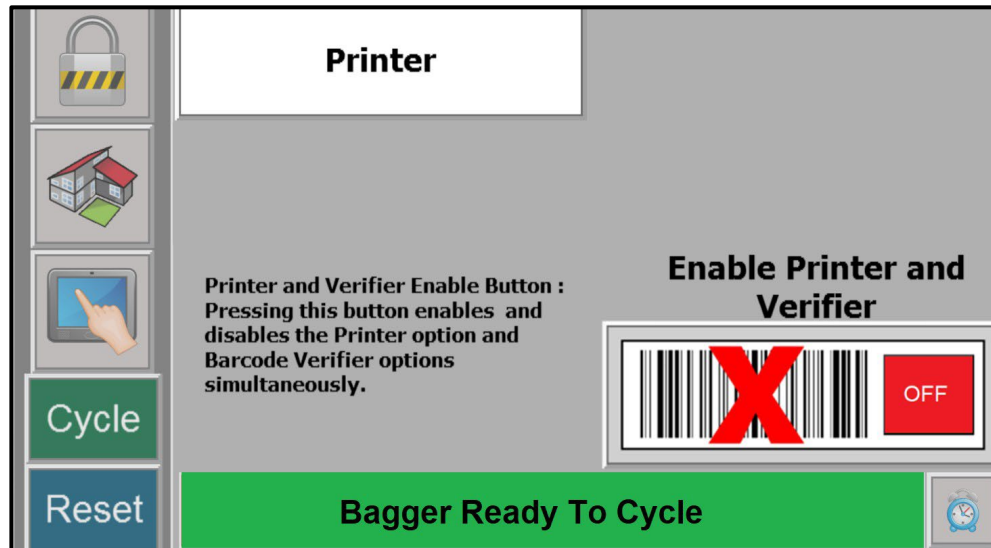


Controls

Options

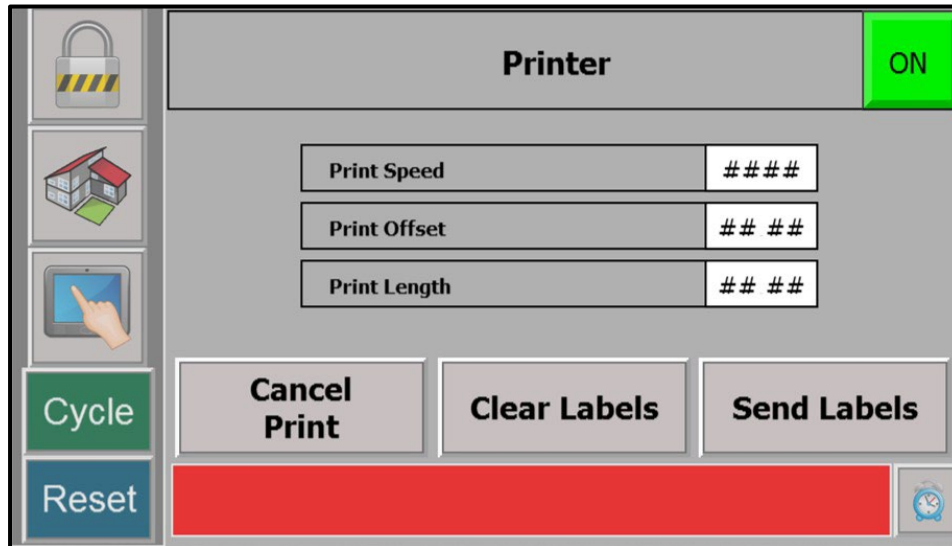
The buttons on the Options Screen provide screen navigation for each option that is configured on the bagger.

Press the desired button to open specific option screen.



Controls

Printer Configuration Screen



Printer Button

The printer option must be turned on to operate. Printer is on when ON box is green.

Print Speed

This numeric setting determines the web feed speed during the print cycle. It is adjustable from 2.00 to 12.00 Inches/Sec. This setting should be set to the same value that resides in the Zebra Printer.

Print Offset

This numeric setting determines the starting position of the printed label. This can be used to adjust the label position on the bag. It is adjustable from 0 to 10.00.

Print Length

This numeric setting determines the distance the web will feed during the print cycle. This should be set to smallest value that will produce the desired label. Typically, this setting is approximately $\frac{3}{4}$ of inch longer than the length of the label.

Cancel Print

This button allows a print request to be canceled. The function occurs when the printer option is turned on and the bagger cycles, but no print job was loaded into the printer. The bagger will display a yellow alert message "Waiting for Printer". Pressing the button, cancel the print request and allow the bagger cycle to finish.

Clear Labels

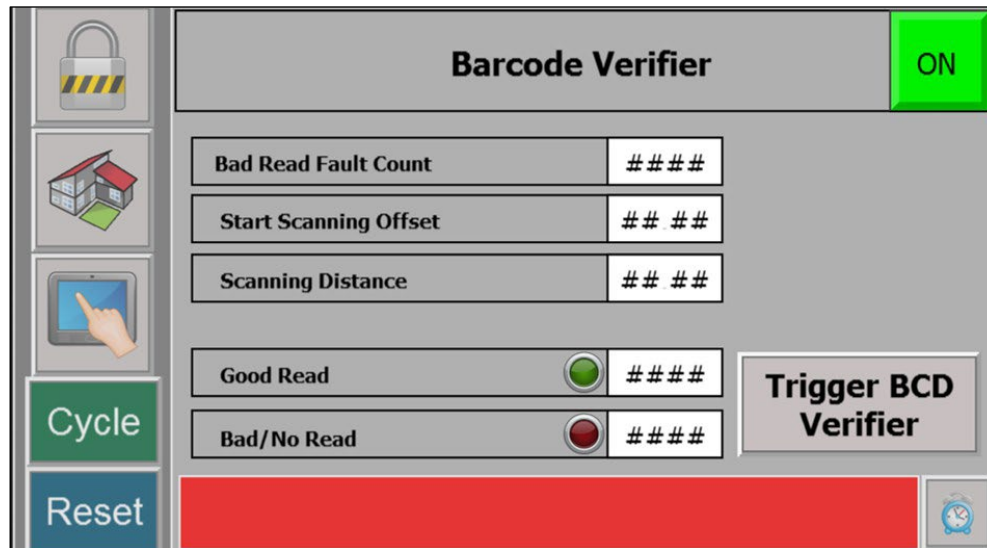
This will clear all loaded labels sent to printer.

Send Labels

This will send labels to printer.

Controls

Barcode Verifier Configuration Screen



The image shows the Barcode Verifier Configuration Screen. On the left is a vertical sidebar with icons for a padlock, a building, a hand pointing at a screen, and buttons for 'Cycle' and 'Reset'. The main area is titled 'Barcode Verifier' and has a green 'ON' button in the top right. Below the title are several input fields: 'Bad Read Fault Count' (####), 'Start Scanning Offset' (####), and 'Scanning Distance' (####). There are two status indicators: 'Good Read' with a green circle and 'Bad/No Read' with a red circle, both followed by '####'. To the right of these is a 'Trigger BCD Verifier' button. At the bottom is a large red rectangular area and a small clock icon.

Barcode Verifier Button

The Barcode Verifier option must be turned on to operate. Barcode Verifier is on when ON box is green.

Bad Read Fault Count

The number of consecutive bad barcode reads before the bagger will fault. The valid range is 000 - 999.

Start Scanning Offset

The number of inches that the bag will feed forward before the Barcode Scanner is turned ON. The valid range is 0.00 - 32.00 inches.

Scanning Distance

The number of inches that the Barcode Scanner will stay ON once it has been triggered. The valid range is 0.00 - 32.00 inches.

NOTE: Start Scanning Offset + Scanning Distance must not be greater than the bag length.

Good Read

Box will illuminate green once a good barcode is read.

Bad/No Read

Box will illuminate red once a bad barcode is read.

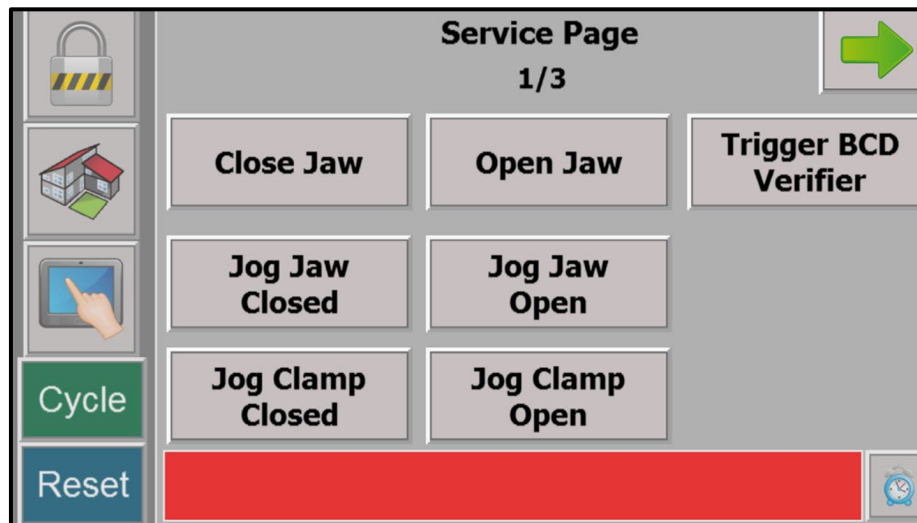
Trigger BCD – When the momentary button is pressed, the Barcode Verifier will activate, allowing for user to target the barcode to scan.

Controls

Service Screens

There are three Service Screens to be used by qualified service and maintenance personnel to test the various machine motions. It is assumed that the person using this screen understands the nature of each motion, prior to invoking that motion. Care must be used to ensure the operation does not damage equipment.

Service Screen 1



Close Jaw

The jaw must be at the Pass-Thru position before this motion will occur. When the momentary button is pressed, the Jaw will move to the Sealing Position and the Jaw Closed Sensor should make.

Open Jaw

When the momentary button is pressed, the Jaw will move to the Pass-Thru Position determined by the Pass-Thru setting.

Jog Jaw Closed

When the momentary button is pressed, the Jaw will close at Jogging Speed as long as the button is held. The Jogging will be stopped automatically if the Jaw reaches the Closed Sensor.

Jog Jaw Opened

When the momentary button is pressed, the Jaw will open at Jogging Speed as long as the button is held. The Jogging will be stopped automatically if the Jaw reaches the maximum pass-thru of 4.5 inches.

Jog Film Fwd

When the momentary button is pressed, the film will feed out at Jogging Speed as long as the button is held.

Jog Film Rev

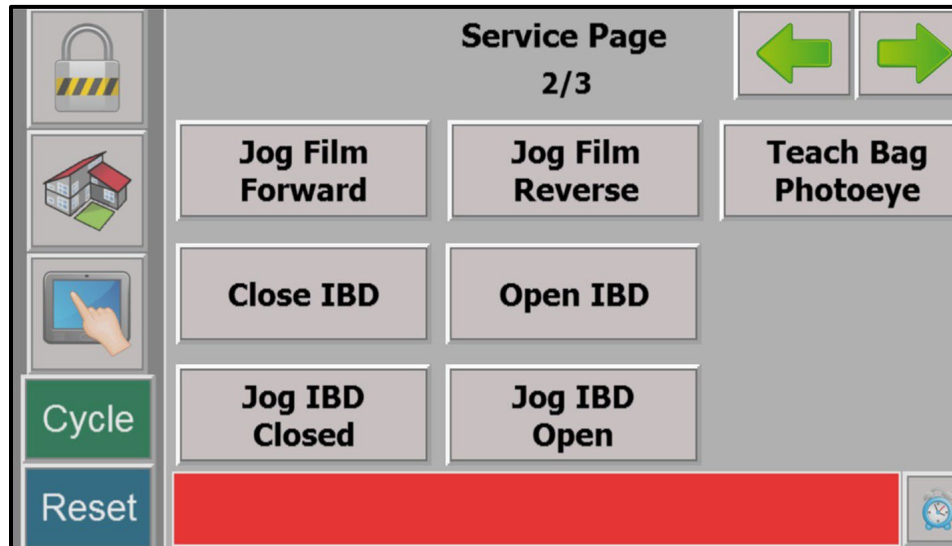
When the momentary button is pressed, the film will reverse at Jogging Speed as long as the button is held.

Trigger BCD

When the momentary button is pressed, the Barcode Verifier will activate, allowing for user to target the barcode to scan.

Controls

Service Screen 2



Jog Film Fwd

When the momentary button is pressed, the film will feed out at Jogging Speed as long as the button is held.

Jog Film Rev

When the momentary button is pressed, the film will reverse at Jogging Speed as long as the button is held.

Close IBD

Pressing this button will close the Independent Bag Deflator against Load Plate.

Teach Bag Photo-Eye

If the bag eye is not detecting the film, the photo-eye may need to be taught. Remove the film from between the eye and the reflector and be sure that the top is closed and latched. Press and hold this button for at least 2 seconds but less than 5 seconds.

Open IBD

Opens the Independent Bag Deflator to preset open location.

Jog IBD Closed

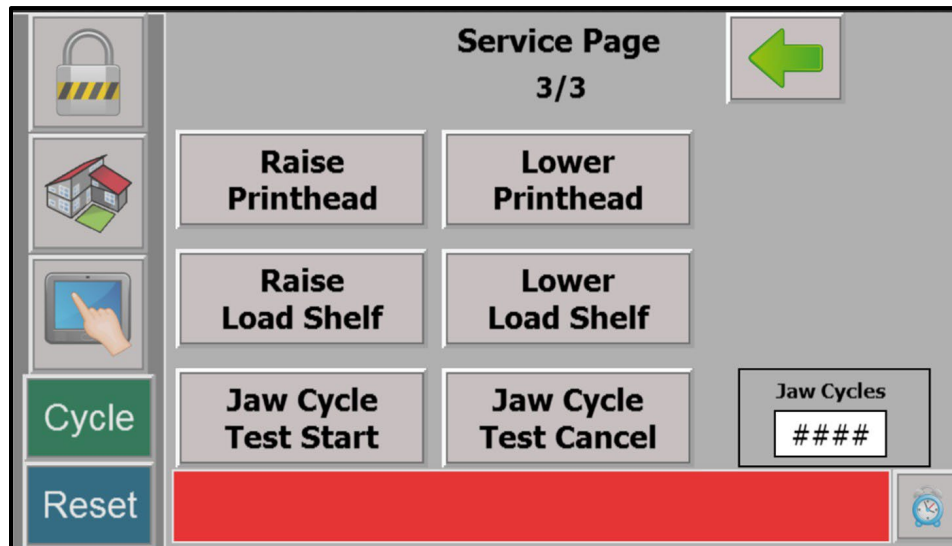
Pressing button will close Independent Bag Deflator incrementally until in desired location.

Jog IBD Open

Pressing button will open Independent Bag Deflator incrementally until in desired location.

Controls

Service Screen 3



Raise Print Head

The Printer Option must be enabled in the Admin Screen before this service button is active. Pressing it will deenergize the electrical solenoid and raise the print head. The Print Head Lowered sensor will switch off when the head rises.

Lower Print Head

The Printer Option must be enabled in the Factory Configuration before this service button is active. Pressing it will energize the electrical solenoid and lower the print head. The Print Head Lowered sensor will switch on confirming the head has lowered.

Raise Load Shelf

Not used.

Lower Load Shelf

Not used.

Start Jaw Test Cycle

This is a test cycle of the Jaw and is used by the assembly personnel to break-in the Jaw slide. When the button is pressed, the Jaw moves to the Closed Position and dwells there for 0.5 seconds. It then opens to the Pass-Thru Position and dwells there for 0.5 seconds. The cycle runs for 1 hour and records the number of cycles.

Cancel Cycle Test

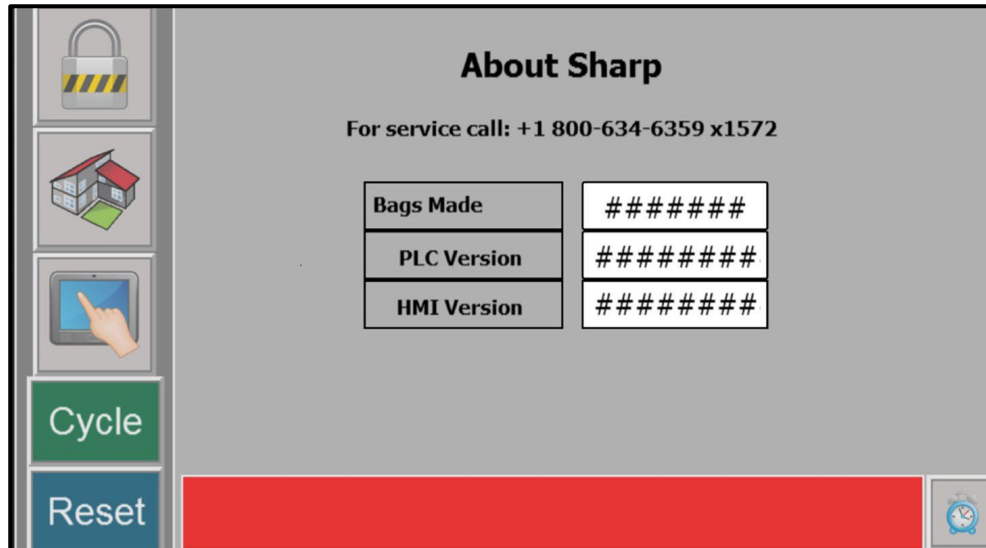
Pressing this button stops the test cycle.

Jaw Test Cycle

Numeric Readout displays the number of Jaw Cycles. Resets when the next Test Cycle is initiated.

Controls

About Pregis Sharp™ Screen



Bags Made – This numeric displays shows the total number of bagger cycles and cannot be reset.

SX Software Version – This is the revision number of the PLC and HMI software.

Set-Up & Operation

Machine Placement

Lifting the SX Bagger is a two-person operation. Only lift from Base Plate, do not lift from Touchscreen Housing, Unwind Shaft or Jaw Guard.



WARNING!

DO NOT USE LEXAN / METAL GUARDS TO LIFT THE MACHINE. THE GUARDS ARE NOT DESIGNED FOR LIFTING. USING THE GUARDS FOR LIFTING MAY CAUSE DAMAGE TO THE MACHINE AND/OR RESULT IN SEVERE BODILY INJURY OR DEATH.

The **SX bagger** should be placed in a dedicated space for operation on a smooth rigid vibration free level surface in a well-ventilated space with access to 230 VAC, 50/60 Hz, 15 Amp properly grounded electrical outlet.

Locate the machine so there is adequate access to the side for loading bag film.

Make sure unit is located at a comfortable height for operation and product loading.

ELECTRICAL



WARNING!

DO NOT OPERATE THE MACHINE IN OR AROUND STANDING WATER. FAILURE TO OBSERVE THE WARNING MAY RESULT IN DAMAGE TO THE EQUIPMENT AND/OR SEVERE BODILY INJURY OR DEATH.

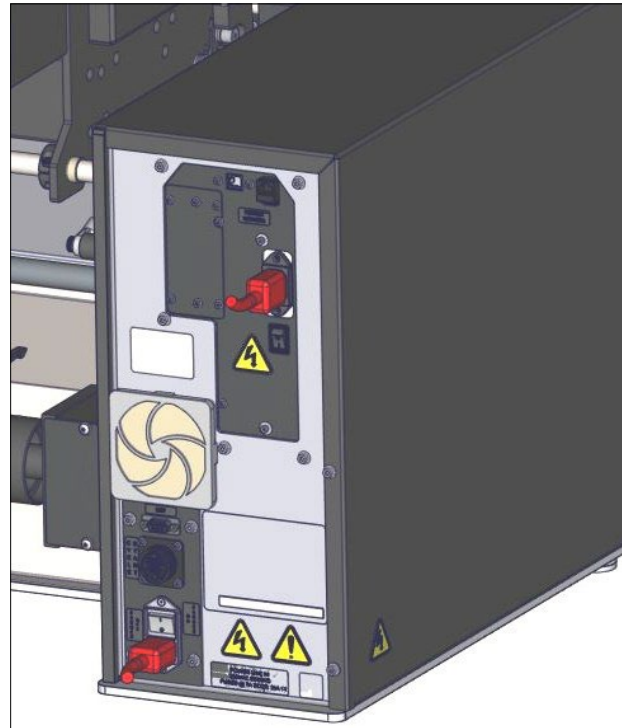
The **SX bagger** is equipped with a Y-Style, Twin End 3-prong electrical cord for standard, properly grounded, 230 VAC, 50/60 Hz, 10 Amp (minimum) service.



WARNING!

FAILURE TO HAVE PROPERLY GROUNDED OUTLETS MAY CAUSE DAMAGE TO EQUIPMENT AND/OR SEVERE BODILY INJURY OR DEATH.

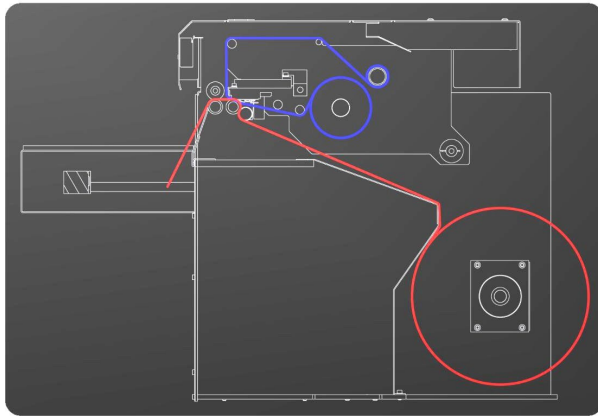
1. Before plugging the cord into the back of the machine, ensure that both switches are in the OFF position.
2. Make sure the wall outlet or electrical drop is rated for proper voltage and that the outlet is grounded.



3. Place the female end of the electrical cord provided into Power Line In and Printer Power, then plug the male end into the electrical outlet.
4. To power up the machine, flip switch to the ON position. Turn on Printer Power to ON position.

Loading Bag Film

A decal showing the film threading path through the machine is located on the Right Side Cover.



1. Raise the Printhead Cradle by rotating the Cradle Latch and lifting the Cradle.

NOTE: Ensure Printhead Cradle Gas Springs hold Printhead Cradle open before inserting hands.

2. Install the roll of bags.

Note: At this point, in most cases, you would center the bags to the Printhead Cradle. However, there may need to be an offset to prevent hang holes, vent holes, etc. from passing over the electric eye. To center the roll, loosen the Core Chuck Adjustment Handle and slide the Core Chuck to the desired position.

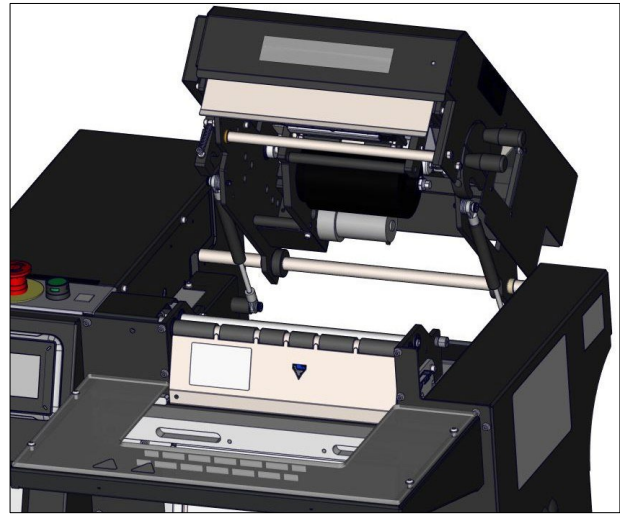
3. Replace the Roll Tensioner onto the Roll Unwind Shaft and secure while applying pressure to the Roll Tensioner, compressing the Roll Tensioner Spring approximately 3/8".
4. Feed Bag Film through Bag Unwind Rollers according to threading diagram.



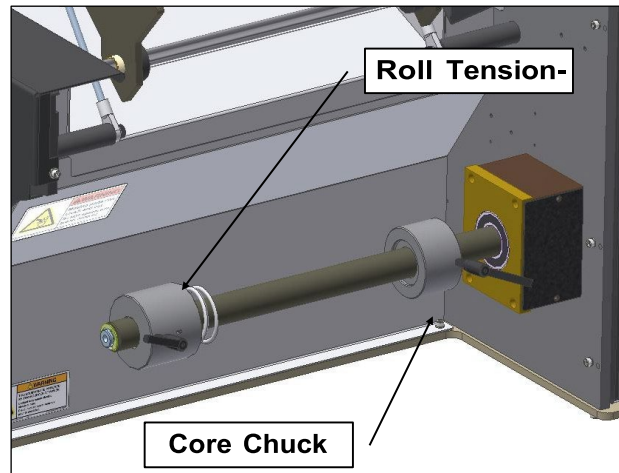
WARNING!

Use extreme caution when feeding bags into machine; electrical voltage and possible pinch points are present.

5. While standing at the front of the machine, reach through and pull the bags until they drape over the drive roller and covers the Photo-Eye.



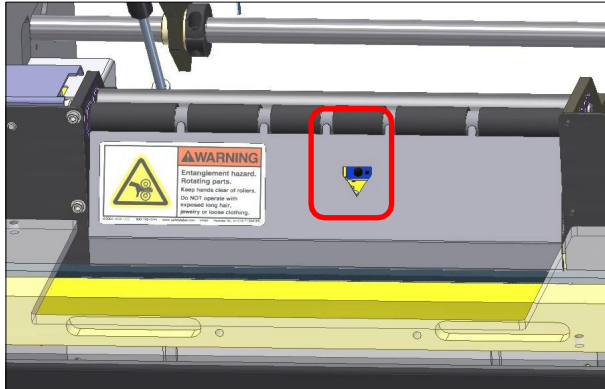
6. Make sure the open side of the bag faces the Operator.



7. Lower and lock the Printhead Cradle into position using the Cradle Latch.
8. Press Reset to clear fault and warning.

Bag Position Over Photo-Eye

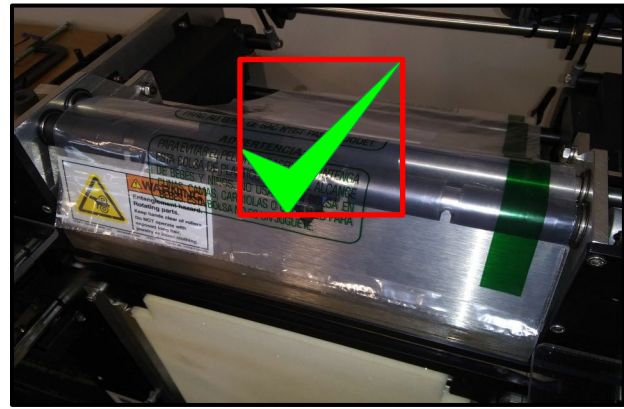
1. The Photo-Eye emits a beam through notch in the Front Finger Plate. The Photo-Eye senses the edge of the bag.



2. Position the bag over the Photo-Eye so the edge of the bag is above the Sealing Area.



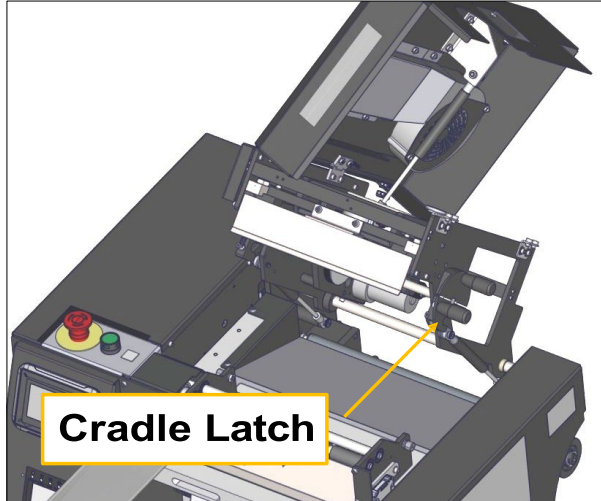
3. If the edge of the bag is below the Sealing Area and the Jaw closes, a fault will occur.



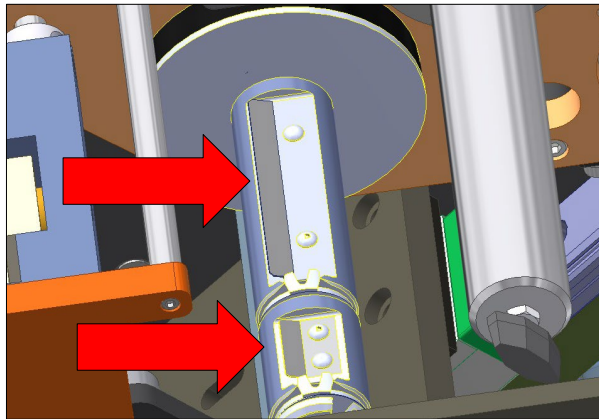
Loading Ribbon

1. Raise the Printhead Cradle and lift the Printhead Cradle Cover.

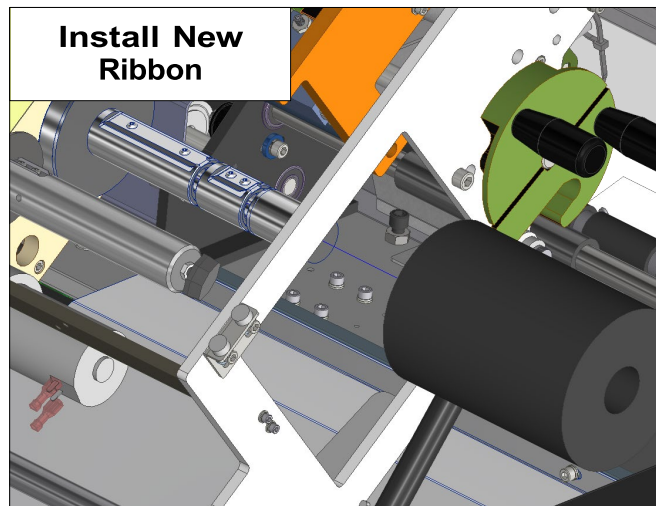
NOTE: Ensure Printhead Cradle Gas Springs hold Printhead Cradle open before inserting hands.



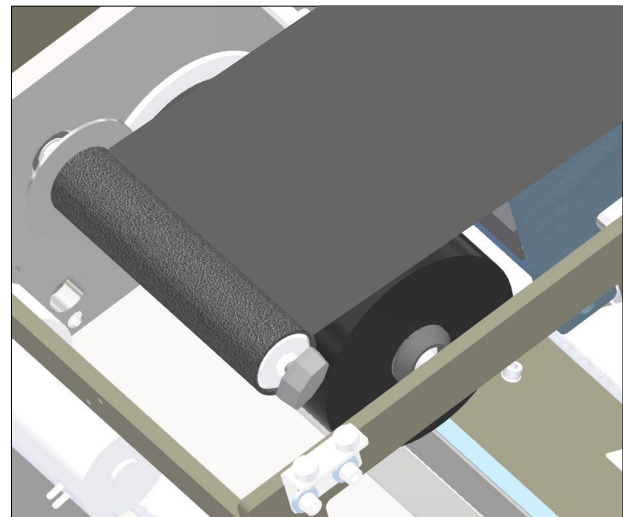
2. Break the ribbon and slide empty spool and used ribbon off of hubs.
3. Look at Supply Spindle, verify the Flanged Plates are aligned.



4. Place a new roll of ribbon onto the Ribbon Unwind hub.



5. Thread the ribbon through the printer according to diagram on side of bagger.



6. Wrap ribbon onto Take-Up Spool, turn knob on Take-Up Spool counter-clockwise to ensure ribbon is tight.
7. Close the Printhead Cradle Cover.
8. Lower and lock the Printhead Cradle.

Machine Operation

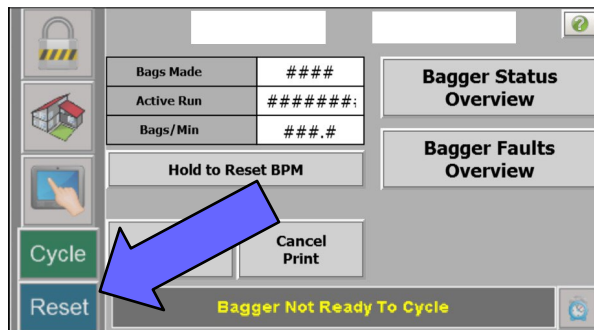
Before attempting to operate the machine, please carefully read and understand the entire operator's manual, including the information under [Important Safety Information](#) and [Controls](#).

See [Security Login](#) to unlock HMI.

The Obstruction Jaw needs Homed whenever bagger is turned ON.

The Sealing Area must be clear of any obstructions, Printer Cover must be down and Printhead Cradle must latched before Homing is performed.

1. Press the Reset Button.

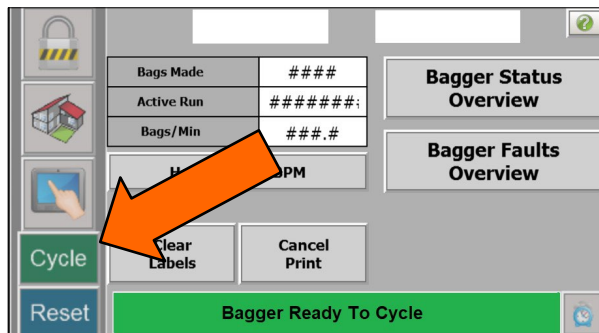


2. The Obstruction Jaw will home and return to set Pass-Thru.
3. The Indicator will change to 'Ready to Cycle'.

Cycle Bagger - HMI

When the bag is fed through Sealing Area and bag is filled.

1. Press the 'Cycle' button on the HMI.

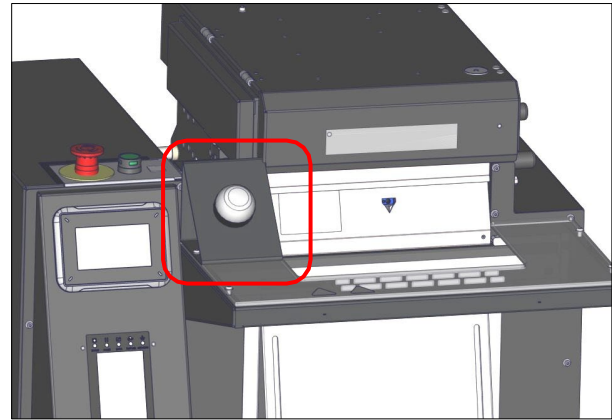


2. The Pressure Jaw will close and bag is sealed.
3. The Jaw opens and sealed bag rests on Load Shelf, sealed bag can be removed.

Cycle Bagger - Push Button (Optional)

When the bag is fed through Sealing Area and bag is filled.

1. Press the Push Button.

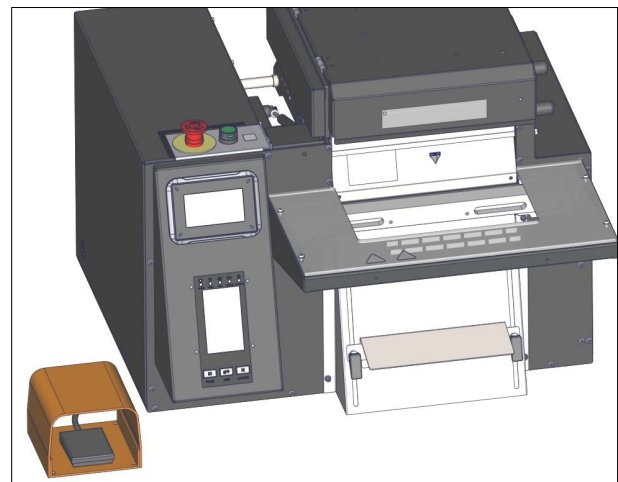


2. The Pressure Jaw will close and bag is sealed.
3. The Jaw opens and sealed bag rests on Load Shelf, sealed bag can be removed.

Cycle Bagger - Foot Switch (Optional)

When the bag is fed through Sealing Area and bag is filled.

1. Press the Foot Switch.



2. The Pressure Jaw will close and bag is sealed.
3. The Jaw opens and sealed bag rests on Load Shelf, sealed bag can be removed.

Set-Up & Operation

Maintenance

General

This machine requires regular, periodic cleaning to ensure reliable service. Shift and daily cleaning can be performed by the operator with a minimum of training.

Regular cleaning is important for the proper operation and performance of the machine. During operation there will be a normal buildup of dirt, dust, and lubricants on various parts of the machine. Ink rubbed off of printed film can also build up.

The machine and areas directly adjacent to it should be kept clean of debris as these can create safety hazards for the operator and the machine.



WARNING!

Disconnect electrical power cord from the machine prior to performing any maintenance on machine.



WARNING!

Do not spray the electrical components of the machine with any liquid. Liquids on electrical components can cause shorts, damaging the components and causing personal injury or death.



WARNING!

Do not attempt to clean the machine while it is running. Cleaning the machine while it is running can damage the machine and cause severe personal injury or death.

Daily Maintenance

1. Inspect the electric eye. Clean with a cotton swab if dirty. Do not use any solvents or cleaning solutions on the sensing portions of the electric eye.
2. Clean any excess material from the drive roller assembly. Plastic compounds tend to build-up on the rollers. Moisten a lint-free cloth with Spray Nine® Heavy-Duty Cleaner & Degreaser and rub back and forth along each roller while rotating rollers.

3. Inspect Teflon tape and replace if damaged or worn.
4. Inspect all electrical lines for any sign of wear or damage. Contact a qualified technician if signs of excessive wear or damage are found.

Weekly Maintenance

1. Clean the drive rollers on the drive roller assembly with a soft, lint-free cloth with Spray Nine® Heavy-Duty Cleaner & Degreaser and rub back and forth along each roller while rotating rollers.
2. Verify that the rollers on the drive roller assembly spin freely with power removed.
3. Inspect Gas Shocks of Printhead Cradle for leaks or damage. Open Printhead Cradle, verify cradle stays open. Replace Gas Shocks if Printhead Cradle does not stay open.

Annual Maintenance

1. Check all electrical connections.
2. Check entire machine for loose bolts or nuts.
3. Grease the two Pressure Bar linear guide bearings using a lithium grease (JIS type 2).
4. Apply a light film of grease to the pressure bar rack and pinion gearing using a lithium grease (JIS type 2).
5. Inspect all drive belts for excessive wear and slack.
6. Clean foam element located at the rear of the machine with water, wring out and reinstall.

Cleaning the Printhead

1. Turn off Power.
2. Lift the Printhead Cradle.
3. Remove ribbon from under Printhead.
4. Clean Printhead using Zebra Thermal Printhead Cleaning Pen or equivalent.
5. Make sure head is completely dry.
6. Replace ribbon.
7. Lower and lock the Printhead Cradle.

Printer Controls

Printer

Home Screen

The printer's Home screen shows you the printer's current status and allows you to access the printer's menus. If the background color of the Home screen is yellow or red, the printer is in an alert or error state. For complete explanation of Zebra printer, see [Zebra Printer](#) website and download ZT610/ZT620 Color Touch User Guide.



The following items are located on the Home Screen Print Status Tab.

Menu - Allows you to change the printer settings.

Wizards - Allows you to change printer settings by going through prompts.

Allows you to quickly access the most recent menu items and to save your favorites. Touch the darkened heart icon next to menu item to save it your list of favorites. Items in the favorites are shown in order in which they were saved.

Shortcuts -



Printer Controls

Zebra™ Printer Indicator Lights

Indicator lights located above the printer's display also communicate the printer's status.

 STATUS PAUSE DATA SUPPLIES NETWORK	• <i>STATUS light steady green (other lights steady yellow for 2 seconds during printer power-up)</i> The printer is ready.
 STATUS PAUSE DATA SUPPLIES NETWORK	• <i>PAUSE light steady yellow.</i> The printer is paused.
 STATUS PAUSE DATA SUPPLIES NETWORK	• <i>STATUS light steady red</i> • <i>SUPPLIES light steady red</i> The media supply is out. The printer needs attention and cannot continue without user intervention.
 STATUS PAUSE DATA SUPPLIES NETWORK	• <i>STATUS light steady red</i> • <i>SUPPLIES light flashing red</i> The ribbon supply is out. The printer needs attention and cannot continue without user intervention.
 STATUS PAUSE DATA SUPPLIES NETWORK	• <i>STATUS light steady yellow</i> • <i>SUPPLIES light flashing yellow</i> The printer is in Direct Thermal mode, which does not require ribbon; however, ribbon is installed in the printer.
 STATUS PAUSE DATA SUPPLIES NETWORK	• <i>STATUS light steady red</i> • <i>PAUSE light steady yellow</i> The printhead is open. The printer needs attention and cannot continue without user intervention.
 STATUS PAUSE DATA SUPPLIES NETWORK	• <i>STATUS light steady yellow</i> The printhead is over temperature.  The printhead may be hot and could cause severe burns. Allow the printhead to cool.
 STATUS PAUSE DATA SUPPLIES NETWORK	• <i>STATUS light flashing yellow</i> This indicator light flashing indicates one of the following: - The printhead is under temperature. - The power supply is over temperature. - The main logic board (MLB) is over temperature.
 STATUS PAUSE DATA SUPPLIES NETWORK	• <i>STATUS light steady red</i> • <i>PAUSE light steady red</i> • <i>DATA light steady red</i> The printhead was replaced with one that is not a genuine Zebra™ printhead. Install a genuine Zebra™ printhead to continue.

Zebra™ Printer Indicator Lights

Indicator lights located above the printer's display also communicate the printer's status.

 STATUS PAUSE DATA SUPPLIES NETWORK	<i>STATUS light flashing red</i> The printer is unable to read the dpi setting of the printhead.
 STATUS PAUSE DATA SUPPLIES NETWORK	<i>NETWORK light off</i> No Ethernet link is available.
 STATUS PAUSE DATA SUPPLIES 	<i>NETWORK light steady green</i> A 100 Base link was found.
 STATUS PAUSE DATA SUPPLIES 	<i>NETWORK light steady yellow</i> A 10 Base link was found.
 STATUS PAUSE DATA SUPPLIES 	<i>NETWORK light steady red</i> An Ethernet error condition exists. The printer is not connected to your network.
 STATUS PAUSE DATA SUPPLIES NETWORK	<i>NETWORK light off</i> A radio was found during power-up. The printer is attempting to associate with the network. The light flashes red while the printer associates with the network. The light then flashes yellow while the printer is authenticating with the network.
 STATUS PAUSE DATA SUPPLIES 	
 STATUS PAUSE DATA SUPPLIES 	
 STATUS PAUSE DATA SUPPLIES 	<i>NETWORK light steady green</i> The radio is associated with your network and authenticated, and the WLAN signal is strong.
 STATUS PAUSE DATA SUPPLIES 	<i>NETWORK light flashing green</i> The radio is associated with your network and authenticated, but the WLAN signal is weak.
 STATUS PAUSE DATA SUPPLIES 	<i>NETWORK light steady red</i> A WLAN error condition exists. The printer is not connected to your network.

Fault & Alert Management

HMI Fault Management

All fault and alert messages appear at the bottom of most screens in a single line of text. Messages alternate through a technique known as “Round Robin Display”. Each active message appears for 3 seconds and then the display goes to the next. Thus if there were 3 active messages, all 3 would be displayed every 9 seconds.

Fault Messages

Faults are defined as an error condition that will stop the bagger and prevent subsequent cycles from occurring as long as the fault persists. Faults must be corrected and then reset from the HMI using the Reset Button. Faults are first indicated by the red banner at the bottom of all screens.

No Bag Covering Eye

CAUSE: There is no film in the machine or the film is not being detected by the bag edge photo-eye

REMEDY: Position the film over the eye and reset the fault.

Bar Code Fault

CAUSE: Consecutive Bad Read Counter = Barcode Fault Setting

REMEDY: There is a problem with the Barcode Scanner. The taught label is not the same as the printed label or

The print quality of the label is poor and cannot be read.

Light Curtain Violation

CAUSE: Safety light curtain was broken while the bagger was in cycle.

REMEDY: Operators must wait until the bagger cycle is completed before loading parts.

Too Many Parts Counted

CAUSE: The Actual Number of Parts loaded into the open bag exceeded the Target Count.

REMEDY: The Filling device is delivering parts after the “Ready For Filler” switched off, or the filling device delivered multiple parts in a single charge and those parts were counted by the counting device. i.e. light curtain, photo-eye, etc. Close examination of the filler and filling process is required to correct the condition.

Print Head Failed To Lower

CAUSE: The Lower Print Head PLC output O-05 was turned on but failed to make the lowered switch failed to turn on the Print Head Lowered Input I-05.

REMEDY: Lower Print Head Solenoid may have failed or proximity sensor is not positioned correctly with the target. Check PLC I/O circuits.

Print Head Failed To Raise

CAUSE: The Lower Print Head PLC output O-05 was turned off but Input I-05 stayed on.

REMEDY: Lower Print Head Solenoid may have failed or proximity sensor is not positioned correctly with the target. Check PLC I/O circuits.

Jaw Motion Fault

CAUSE: The Jaw Axis detected a motion fault

REMEDY: Reset the fault. If problem persists, rehome the Jaw.

Film Feed Motion Fault

CAUSE: The Film Axis detected a motion fault

REMEDY: Reset the fault. If problem persists, lower the Feed Speed setting.

Jaw Failed To Close

CAUSE: The commanded motion did not complete before the fault timer expired. The Jaw Closed Sensor must change states as the jaw moves in to the sealing position. Also, the Jaw may have mechanically lost its position.

REMEDY: Reset the fault and Rehome the Jaw.

Pressure Bar Obstruction

CAUSE: The pressure bar attempted to close but was blocked by an obstruction.

REMEDY: This is usually a part that did not drop past the pressure bar. Increase the Filler Drop Timer setting.

Bag Failed To Separate

CAUSE: The Bag Edge Photo-eye did not detect the trailing edge of the film as the web was backing up.

REMEDY: Check that the Photo-eye is correctly sensing the film in front of it.

It should only turn on when it sees the film in front of it. It should turn off just as the trailing edge of the film unblocks the eye. The eye may need to be taught from the service screen, or it might need to be cleaned.

Jaw Failed To Home

CAUSE: The Jaw Homing Cycle could not be completed, or the cycle was stopped by the Operator.

REMEDY: The Jaw Closed sensor may be inoperative or there may be a physical obstruction between the Jaw and the bagger frame that does not activate the Jaw Obstruction sensors.

Printer Label Print Timeout

CAUSE: Mismatch between bagger and printer print lengths. Printer Busy Input Wiring Failure.

SOLUTIONS: Verify Print Lengths on Bagger and Printer are equivalent. Verify Printer Busy Input Wiring is correct.

Alert Messages

Alert messages are displayed in yellow and will not generally stop a bagger cycle, though they can inhibit starting the cycle. Alerts are intended to inform the operator of an event or status of the machine. Alerts can be considered minor faults in some cases and may require the operator to intervene.

Batch Counter Done

CAUSE: The batch counter actual value has reached the target count. This alert will not interrupt the bagger cycle, but subsequent cycles are not possible until the Alert has been reset.

REMEDY: Batch is done. Reset and bagger is free to cycle again.

Waiting On Filler

CAUSE: The bagger has signaled the filler machine that it is ready to accept product and is waiting for the filler to trigger the next bagger cycle.

REMEDY: Filler must complete the delivery of product and turn on the Filler Trigger input.

Waiting On Printer

CAUSE: The bagger requested a print from the printer, but the printer has not responded with "Printer Busy"

REMEDY: Printer does not have a label loaded or there is an I/O communications problem between the PLC and the Printer. Check "Printer Data Ready" Input 02

Jaw Not Homed

CAUSE: The Jaw Stepper Motor must be homed before it can operate

REMEDY: Remove bag from Sealing Area. Press "Home Jaw" button located on Dashboard Screen. Jaw will go through homing cycle and when completed, this message will automatically clear.

Cycle Bagger To Activate Filler

CAUSE: The bagger is in Filler Mode. The operator must cycle out the first bag to activate the filler cycle.

REMEDY: Cycle Start input required by operator. This can be from the HMI screen, Foot Switch, etc.

Machine Not Tested

CAUSE: The bagger has not passed the QA Test of 1000 cycles without a fault.

REMEDY: Assembly must complete QA Test. Message will clear when test has passed.

Zebra™ Printer Alerts & Error Messages

The Home screen background will change color to tell Operator she/he may need to take action to restore printer to a Ready status. Red and yellow backgrounds typically halt printing until the issue is resolved. Informational messages with a green background usually disappear without user intervention and printing continues as normal. Touch the icons in the bar at the top of the Home screen to view the error, alert, or informational message.

Display Message	Possible Causes	Recommended Solutions
Head Open Printhead is open. Close the printhead.	1. Printhead is open. 2. Printhead Open Sensor faulty	1. Close the printhead completely. 2. Call a service technician to replace the sensor.
Medial Out Media is out. Load additional media.	1. The media is not loaded or is loaded incorrectly. 2. Misaligned media sensor. 3. The printer is set for noncontinuous media, but continuous media is loaded.	1. Load media correctly. 2. Check the position of the media sensor. 3. Install the proper media type, or reset printer for the current media type 4. Calibrated the printer.
Paper Jam Media jammed. Check the media.	1. There is an issue with the media in the media path	1. Check the media that is loaded incorrectly or stuck to components in the media path. 2. Check if media is wrapped around the platen roller. Carefully remove any labels. If necessary, clean the platen roller to remove adhesive.
Ribbon Out Ribbon is out. Replace the ribbon.	In thermal transfer mode: 1. Ribbon is not loaded. 2. Ribbon is loaded incorrectly. 3. The ribbons sensor is not detecting ribbon. 4. Media is blocking the ribbon sensor.	1. Load ribbon correctly. 2. Calibrated the printer.
Ribbon In Ribbon was detected in Direct Thermal mode. Remove the ribbon.	1. Ribbon is loaded, but the printer is set for direct thermal mode.	1. Ribbon is not required with direct thermal media. If you are using direct thermal media, remove the ribbon. 2. If the message persists with no ribbon in the printer, calibrate the printer. 3. If you are using thermal transfer media, which requires ribbon, set the printer for thermal transfer mode.
Head Identification Failed Printhead is not a Zebra™ certified product. Replace the printhead.	1. The printhead was replaced with one that is not a genuine Zebra printhead.	1. Install a genuine Zebra™ printhead.

Display Message	Possible Causes	Recommended Solutions
Head Element Out A printhead element failed. The printhead may need to be replaced.	1. A printhead element is no longer working.	1. If the location of the failed element affects printing, replace the printhead.
Replace Printhead Replace the printhead.	1. The printhead is nearing the end of its life and should be replaced.	1. Replace the printhead.
Head Maintenance Needed Clean the printhead.	1. The printhead needs to be cleaned.	1. Clean the printhead and platen roller.
Head Over Temp Printhead is too hot. All printing is halted.	 1. The printhead is over temperature.	1. Allow the printer to cool. Printing automatically resumes when the printhead elements cool to an acceptable operating temperature. 2. If this error persists, consider changing where the printer is located or using a slower print speed.
Head Under Temp Printhead is too cold. All printing is halted. Head Thermistor Fault Faulty thermistor detected. Replace the printhead. The printer shows one of these messages or cycles between them.	 1. The printhead data cable is not properly connected 2. The printhead has a faulty thermistor.	1. Call a service technician to hook up the printhead correctly.
Head Under Temp Printhead is too cold. All printing is halted.	 1. The printhead temperature is approaching its lower operating limit. 2. The printhead data cable is not properly connected. 3. The printhead has a faulty thermistor.	1. Continue printing while printhead reaches correct operating temperature. If the error remains, the environment may be too cold for proper printing. Relocate the printer to a warmer area. 2. Call a service technician to hook up the printhead correctly. 3. Call a service technician to hook up the printhead correctly.

Display Message	Possible Causes	Recommended Solutions
Cutter Error A cutter error occurred. Restart the printer.	 The cutter blade is sharp. Do not touch or rub the blade with your fingers. 1. The cutter blade is in the media path.	1. Turn off the printer power and unplug the printer. Inspect the cutter module for debris and clean as needed.
Out of Memory Storing XXX XXX not stored. Out of memory.	1. There is not enough memory to perform the function specified.	1. Free up some of the printer's memory by adjusting the label format or printer parameters. One way to free up memory is to adjust the print width to the actual width of the label instead of leaving the print width set to the default. 2. Ensure that the data is not directed to a device that is not installed or is unavailable. 3. If problem persists, call a service technician.

Appendix

Settings Summary

This section lists the range of each setting and an Initial value if applicable. Note: The initial settings are only applicable during the first time power up of the bagger.

Bag Length

4.00-20.00"

Initial: 6.0"

Seal Offset

Range: 0.00 – 2.00"

Initial: 0.00"

Seal Dwell

Range: 0.00 – 0.40 sec

Initial: 0.25 sec

Seal Cooling Time

Range: 0.00-2.00

Feed Speed

Range: 4.00 – 30.00 In/Sec

Initial: 10.00 In/Sec

Filler Drop Time

Range: 0.00 – 9.99 sec

Initial: none

Auto Load Dwell

Range: 0.00 – 5.00 sec

Initial: 0.00

Batch Counter

Range: 2 – 9999

Initial: 3

Parts Counter

Range: 1 – 999

Initial: 3

Print Speed

Range: 2.00 – 12.00 in/sec

Initial: 6 in/sec

Print Length

Range: 0.5-10.00 in.

Initial: 2 in.

Consecutive Bags

Range: 2-20

Initial: 2

Pregis®

1. ACCEPTANCE AND TERMS AND CONDITIONS:

Seller may accept this Order and any amendments by signing the acceptance copy of the Order and returning it to Purchaser promptly. Even without such written acknowledgment, Seller's full or partial performance under this Order will constitute acceptance of these Terms. By acceptance of this Order, Seller agrees to be bound by, and to comply with all these Terms, which include any supplements to it, and all specifications and other documents referred to in this Order. These Terms apply to everything listed in this Order and constitute Purchaser's offer to Seller, which Purchaser may revoke at any time prior to Seller's acceptance. This Order is not an acceptance by Purchaser of any offer to sell, any quotation, or any proposal. Reference in this Order to any such offer to sell, quotation, or proposal will not constitute a modification of any of these Terms. Terms and conditions different from or in addition to these Terms, whether contained in any acknowledgment of this Order, or with delivery of any goods or services under this Order, or otherwise, will not be binding on Purchaser, whether or not they would materially alter this Order, and Purchaser hereby rejects them. These Terms may be modified only by a written document signed by duly authorized representatives of Purchaser and Seller.

2. DEFAULT:

Time is of the essence of this Order. Purchaser may by written notice of default to Seller (a) terminate all or any part of this Order if Seller fails to perform, or so fails to make progress as to endanger performance of this Order in accordance with its terms, and does not cure such failure within a period of ten (10) days (or such longer period as Purchaser may authorize in writing) after receipt of notice from Purchaser specifying such failure; and (b) procure, on such terms as it will deem appropriate, goods or services similar to those so terminated. Seller will continue performance of this Order to the extent not terminated and will be liable to Purchaser for any excess costs for such similar goods or services. As an alternate remedy, and in lieu of termination for default, Purchaser, at its sole discretion, may elect to extend the delivery schedule and/or waive other deficiencies in Seller's performance, in which case an equitable reduction in the Order price will be negotiated. If Seller for any reason anticipates difficulty in complying with the required delivery date, or in meeting any of the other requirements of this Order, Seller will promptly notify Purchaser in writing. If Seller does not comply with Purchaser's delivery schedule, Purchaser may require delivery by fastest way and charges resulting from the premium transportation must be fully prepaid and absorbed by Seller. The rights and remedies of Purchaser provided in this Section 2 will not be exclusive and are in addition to any other rights and remedies provided by the Uniform Commercial Code, by law, at equity or under this Order.

3. PRICE:

This Order must not be filled at a price higher than shown on the face of the Order. If no price is set forth on the front of the Order, the goods or services will be billed at the price last quoted or at the prevailing market price, whichever is lower, and, in any event, goods and services ordered under this Order will not be billed at a higher price than last quoted or charged without Purchaser's specific written authorization. Purchaser will be entitled at all times to set off any amount owed at any time by Seller or any of its affiliates to Purchaser or any of its affiliates against any amount payable at any time by Purchaser in connection with this Order. No extra charges of any kind will be allowed unless specifically agreed to in writing by the Purchaser. All applicable taxes arising out of transactions contemplated by the Order will be borne by Seller except as otherwise specified by the parties in writing. If Seller reduces its prices for such goods and/or services during the term of this Order, Seller shall correspondingly reduce the prices of goods and/or services sold thereafter to Purchaser under this Order.

4. INVOICES, PAYMENT, AND TAXES:

(a) Invoices shall be rendered on completion of services or delivery of goods and shall contain the Purchase Order Number, item number, description of goods or services, quantities, unit prices, date(s) rendered and total purchase price. Each invoice must refer to one, and only one, purchase order.

(b) Invoices for contingent workers must contain all of the above where applicable and include a copy of the AAMC's time tracking document for each contingent worker for the time period being billed.

(c) Payment shall be made on the terms of 2% 10 days, net 60 days from the date of invoice. Cash discount periods shall be computed from either the date of actual delivery of the goods or the date an acceptable invoice is received, whichever is later. All claims for money due or to become due from Purchaser shall be subject to deduction by Purchaser for any setoff or counterclaim arising out of this or any other of Purchaser's Orders with Seller.

5. PACKAGING:

All goods must be packaged in the manner specified by Purchaser and shipped in the manner and by the route and carrier designated by Purchaser. If Purchaser does not specify the manner in which the goods must be packaged, Seller shall package the goods so as to avoid any damage in transit. If Purchaser does not specify the manner of shipment, route, or carrier, Seller shall ship the goods at the lowest possible transportation rates, consistent with Seller's obligation to meet the delivery schedule set forth in this Order.

6. INSPECTION:

All goods and services will be subject to inspection and test by Purchaser at all times and places, including the period of manufacture and in any event prior to final acceptance. Final acceptance or rejection of the goods or services will be made as promptly as practical after delivery except as otherwise provided in this Order, but failure to inspect and accept or reject goods or services or failure to detect defects by inspection, will neither relieve Seller from responsibility for such goods or services as are not in accordance with this Order nor impose liabilities on Purchaser for them. Purchaser's payment for the goods shall not constitute its acceptance of the goods. Goods rejected and goods supplied in excess of quantities ordered may be returned to the Seller at Seller's expense. Payment, if any, made for any goods rejected hereunder shall be promptly refunded by Seller. Seller will provide and maintain an inspection and process control system acceptable to Purchaser covering the goods and services ordered. Records of all inspection work by Seller will be kept complete and available to Purchaser during the performance of this Order and for seven (7) years after Seller's completion of this Order. If any of the goods or services are found at any time to be defective in material or workmanship, or otherwise not in conformity with the requirements of this Order, including any applicable drawings and specifications, then Purchaser, in addition to such other rights and remedies it may have by contract or by law or equity, at its sole discretion may reject and return such goods at Seller's expense, require Seller to inspect the goods and remove nonconforming goods and/or require Seller to replace nonconforming goods or services with conforming goods or services. If Seller fails to make the necessary inspection, removal, and replacement in a time and manner satisfactory to Purchaser, Purchaser may at its option inspect and sort the goods; Seller will pay any related costs.

7. WARRANTIES:

Seller represents and warrants that (a) all goods and services are free of any claim of any nature by any third person and that Seller will convey clear title to Purchaser, (b) all services are performed in a manner acceptable in the industry and in accordance with generally accepted standards, are free from all defects, are fit for the particular purposes for which they are acquired, and are provided in strict accordance with the specifications or other requirements (including performance specifications) approved or adopted by Purchaser, (c) all goods sold will be of merchantable quality, free from all defects in design, workmanship and materials, and fit for the particular purposes for which they are purchased and that the goods and services are provided in strict accordance with the specifications, samples, drawings, designs or other requirements (including performance specifications) approved or adopted by Purchaser, (d) the prices for the goods or services sold to Purchaser under this Order are not less favorable than those currently extended to any other customer for the same or similar goods and/or services in equal or lesser quantities, and (e) Seller shall not act in any fashion or take any action that will render Purchaser liable for a violation of any applicable anti-bribery legislation (including without limitation, the U.S. Foreign Corrupt Practices Act and the U.K. Bribery Act 2010), which prohibits the offering, giving, or promising to offer or give or receiving, directly or indirectly, money or anything of value to any third party to assist it, them or Purchaser in retaining or obtaining business or in procuring the goods or services. Purchaser's inspection, test, acceptance, or use of the goods shall not affect Seller's obligations under these warranties. Seller shall replace or correct, at Purchaser's option and at Seller's cost, defects of any goods not conforming to these warranties. If Seller fails to correct defects in or replace nonconforming goods within ten (10) days from the date the Purchaser notifies Seller of the defect or defects, Purchaser may, on ten (10) days prior written notice to Seller, either (i) make such corrections or replace such goods and charge Seller for all costs incurred by Purchaser, or (ii) revoke its acceptance of the goods in which event Seller shall be obligated to refund the purchase price and make all necessary arrangements, at Seller's cost, for the return of the goods to Seller. All warranties of Seller herein or that are implied by law shall survive any inspection, delivery, acceptance, or payment by Purchaser. Any attempt by Seller to limit, disclaim, or restrict these warranties or any remedies of Purchaser, by acknowledgment or otherwise, in accepting or performing this Order, will be null, void, and ineffective without Purchaser's written consent.

8. INDEMNIFICATION:

Seller shall indemnify and hold Purchaser and its affiliates harmless and, on Purchaser's request, shall defend each of them from and against any or all third party claims, demands, litigation, or proceedings of whatever kind, whether based upon negligence, breach of express or implied warranty, strict liability, infringement of intellectual property rights, or any other theory, and from and against all direct, indirect,

special, exemplary, incidental or consequential damages of every kind whatsoever, arising out of, by reason of, or in any way connected with the goods and/or services, the design, manner of preparation, manufacture, construction, completion, or delivery or non-delivery of any goods and/or services by Seller, any breach by Seller of any of its obligations hereunder, or any other act, omission or negligence of Seller or any of Seller's employees, workers, servants, agents, subcontractors, or suppliers. Seller shall, on request, pay or reimburse Purchaser or any other party entitled to indemnification hereunder for all costs and expenses, including attorneys' fees, as incurred by Purchaser or such other party in connection with any such claim, demand, litigation, proceeding, loss, or damage. In addition, for infringement claims, Seller will, at its own expense and at Purchaser's option, either procure for Purchaser the right to continue using the allegedly infringing item, replace it with a non-infringing equivalent, or remove it and refund the purchase price and the transportation and installation costs thereof.

9. LIMITATION OF LIABILITY:

PURCHASER'S AGGREGATE LIABILITY ARISING FROM OR RELATING TO THIS ORDER IS LIMITED TO THE AMOUNT PAID BY PURCHASER FOR THE GOODS AND/OR SERVICES. TO THE MAXIMUM EXTENT ALLOWABLE UNDER APPLICABLE LAW, PURCHASER SHALL NOT BE LIABLE UNDER THIS ORDER FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, INDIRECT, OR PUNITIVE DAMAGES INCLUDING, WITHOUT LIMITATION, LOST REVENUES EVEN IF PURCHASER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

10. PURCHASER'S PROPERTY:

Tangible or intangible property of any nature furnished to Seller by Purchaser or specifically paid for in whole or in part by Purchaser, and any replacements or attachments, are the property of Purchaser and, unless otherwise agreed in writing by Purchaser, will be used by Seller solely to render services or provide goods to Purchaser. Seller will not substitute any property or take any action inconsistent with Purchaser's ownership of such property. While in Seller's custody or control such property will be held at Seller's risk, will be kept insured by Seller at its expense for its replacement cost with loss payable to Purchaser, and will be subject to removal at Purchaser's written request, in which event Seller will prepare such property for shipment and redelivery to Purchaser in the same condition as originally received by Seller, reasonable wear and tear excepted, all at Seller's expense.

11. CHANGES:

At all times Purchaser will have the right to make changes to this Order, including changes to drawings, designs, configurations, specifications, quantities, methods of shipment or packing and delivery schedules or location of delivery. If any such changes cause an increase or decrease in the cost of or the time required for the performance of any work under this Order, an equitable adjustment will be made in the contract price or delivery schedule, or both, and this Order will be modified in writing accordingly. Nothing in this Section, including any disagreement with Purchaser as to any claimed adjustment, will excuse Seller from proceeding with this Order as changed. Any claim by the Seller for adjustment under this Section 11 must be in a detailed writing and delivered to Purchaser within five (5) days after the date Seller receives notification of change. Any change will be authorized only by a duly executed amendment to this Order. Information, such as technical information or guidance provided to Seller by representatives of Purchaser, will not be construed as a change within the meaning of this Section. If Seller considers that the conduct of any of Purchaser's employees has constituted a change under this Order, Seller will immediately notify Purchaser in writing, as to the nature of the change and any proposed adjustment, which will then be subject to this Section 11.

12. COMPLIANCE WITH LAWS:

Seller represents and warrants that it is in compliance with and all goods and/or services supplied hereunder have been produced or provided in compliance with the applicable provisions of all federal, state, or local laws or ordinances and all related lawful orders, rules and regulations. Seller shall comply with any provisions, representations, or agreements or contractual clauses required to be included or incorporated by reference or operation of law in any Order. Seller shall be required to obtain and pay for any license, permit, inspection or listing by any public body or certification organization required in connection with the manufacture, performance, completion or delivery of any good and/or service.

13. CONFIDENTIAL OR PROPRIETARY INFORMATION:

Notwithstanding any document marking to the contrary, any knowledge or information that the Seller has disclosed or may later disclose to Purchaser, and which in any way relates to the goods or services covered by this Order will not, unless otherwise specifically agreed to in writing by Purchaser, be deemed to be confidential or proprietary information, and will be acquired by Purchaser, free from any restrictions. Seller will not transmit to Purchaser any sensitive personal information, including, but not limited to, identified health information, financial information, social security numbers, biometrics or other personally identified or identifiable information of like sensitivity. Seller will keep confidential any

technical, process, economic, or other information derived from drawings, specifications and other data furnished by Purchaser in connection with this Order (in whatever form or format) and will not divulge, export, or use, directly or indirectly, such information for the benefit of any other party without obtaining Purchaser's prior written consent. Except as required for the efficient performance of this Order, Seller will not use such information or make copies or permit copies to be made of such drawings, specifications, or other data without the prior written consent of Purchaser. If any reproduction is made with prior consent, this notice will be provided. Upon completion or termination of this Order, Seller will promptly return to Purchaser all materials incorporating any such information and any copies, except for one record copy. Seller agrees that no acknowledgment or other information concerning this Order and the goods or services provided will be made public by Seller without the prior written agreement of Purchaser.

14. WORK ON PURCHASER'S PREMISES:

If Seller's work under this Order requires Seller to be on the premises of Purchaser or at Purchaser's direction, Seller will take all necessary precautions to prevent any injury to persons or damage to property, including following any rules, procedures or other requirements of Purchaser.

15. INSURANCE:

Seller will maintain Comprehensive General Liability (including Contractual Liability coverage insuring the liabilities assumed in these Terms), Automobile Liability and Employers' Liability insurance with limits as reasonably required by Purchaser, as well as appropriate Workers' Compensation insurance as will protect Seller from all claims under any applicable workers' compensation and occupational disease acts. At Purchaser's request, Seller will furnish to Purchaser a Certificate of Insurance completed by its insurance carrier(s) certifying that the required insurance coverage is in effect, with waiver of subrogation, naming Purchaser as an additional insured, and containing a covenant that such coverage and will not be canceled or materially changed until ten (10) days after prior written notice has been delivered to the Purchaser.

16. TERMINATION:

Purchaser may terminate all or any part of this Order for convenience at any time by written notice to Seller. Upon such termination, Purchaser's liability will be limited to reasonable termination charges mutually agreed by Seller and Purchaser, provided that Seller must specify any proposed charges in writing within fifteen (15) days after termination. This Order shall terminate automatically, without notice, if Seller becomes insolvent or the subject of any proceeding under the laws relating to bankruptcy or the relief of debtors.

17. GOVERNMENT CONTRACTS:

If this Order bears a government contract number on the face of this Order, Seller shall comply with all pertinent provisions of said government contract and pertinent executive orders and directives to the extent that they apply to the subject matter of this Order and all such pertinent contract provisions, orders and directives are hereby incorporated by reference into this Order. A copy of the government contract's pertinent terms and conditions will be given to Seller on request.

18. MISCELLANEOUS:

(a) NON-ASSIGNMENT: Assignment of this Order or any interest in it or any payment due or to become due under it, without the written consent of the Purchaser, will be void. An assignment will be deemed to include not only a transfer of this Order or such interest or payment to another party but also a change in control of Seller, whether by transfer of stock or assets, merger, consolidation, or otherwise.

(b) TRANSPORTATION: All the prices are established as F.O.B. Seller and/or Origin Dock, Freight Prepaid, unless otherwise specifically provided on the front of this Order. Title and risk of loss shall not pass to Purchaser until delivery of the goods to the location designated on the face of this Order and acceptance by Purchaser. If Purchaser rightfully rejects the goods, receives a non-conforming tender, or revokes its acceptance, risk of loss and title shall be deemed to have remained with Seller. The responsibility for freight damaged merchandise will be assumed by Seller. No charges for unauthorized transportation will be allowed. Any unauthorized shipment, which will result in excess transportation charges, must be fully prepaid by the Seller. Seller will not declare any value on such materials shipped via United Parcel Service, Rail Express, Air Express, Air Freight or Parcel Post. Seller will release rail or truck shipments at the lowest released valuation permitted in the governing tariff or classification.

(c) ANTICIPATION OF DELIVERY SCHEDULE: Unless otherwise agreed in writing, Seller will not make material commitments or production arrangements in excess of the amount or in advance of the time necessary to meet Purchaser's delivery schedule. Goods shipped to Purchaser in advance of schedule may be returned to Seller at Seller's expense.

(d) **SELLER'S INVENTORY:** Purchaser will have no obligation to request quotations or place Orders with Seller, both of which will be in Purchaser's sole discretion. Purchaser acting in its sole discretion will determine the actual quantity of goods or services to be purchased. The quantity of goods or services, if any, specified in forecasts supplied by Purchaser from time to time, or otherwise, is an estimate only. Seller bears sole responsibility for managing Seller's raw material, work in process, and inventory, and Purchaser will have no liability with respect thereto (whether upon termination of this Order or otherwise) other than in connection with termination as provided in Section 16.

(e) **FORCE MAJEURE:** Purchaser may delay delivery and/or acceptance occasioned by causes beyond its control.

(f) **REMEDIES:** Each of the rights and remedies reserved to Purchaser in this Order shall be cumulative and additional to any other remedies provided in law or equity. No delay or failure by Purchaser in the exercise of any right or remedy shall affect any such right or remedy and no action taken or omitted by Purchaser shall be deemed to be a waiver of any such right or remedy.

(g) **PUBLICITY:** Seller will not use Purchaser's name or logo in publicity, advertising, or similar activity, except with Purchaser's prior written consent. Seller will not disclose the existence of this Order or any of its respective terms to any third party without Purchaser's prior written consent.

(h) **DOCUMENTATION:** It is agreed that all technical documentation and other literature necessary for the proper use of the goods or services will be provided to Purchaser with the goods or services, unless otherwise directed by Purchaser, and its cost is included in the price.

(i) **GOVERNING LAW:** This Order, these Terms, and all related transactions, will be interpreted under and governed by the laws of the United States of America.

(j) **DISPUTE RESOLUTION:** Disputes arising under this Agreement will be resolved by the parties through good faith negotiations in the ordinary course of business. Any dispute not so resolved will be submitted for binding arbitration, at the written request of either party, before an arbitrator. Selection of the arbitrator will be by mutual agreement of the parties. The amount and responsibility for payment of arbitration costs will be one of the issues decided by the arbitrator, whose decision will be in accordance with the terms and conditions of this Agreement. No damages excluded by or in excess of the damage limitations set forth in this Agreement shall be awarded. During any such arbitration, the parties will continue diligent performance of this Agreement. The arbitrator will render a written decision stating reasons therefore in reasonable detail within ninety (90) days after the respondent receives the Commencement Letter. The provisions of this section, and any award issued by an arbitrator, may be enforced by either party in any court of competent jurisdiction. Arbitration is the exclusive remedy for disputes arising under this Agreement; the parties hereby waive their rights to bring a lawsuit to resolve a dispute arising under this Agreement. (k) **SURVIVAL:** Seller's obligations under Sections 6, 7, 8, 9, 10, 12, 13, and 18 (f), (i), (j), (k), (l), (o), and (q) will survive any termination of this Order.

(l) **WAIVER; MODIFICATION:** No claim or right arising out of a breach of this Order can be discharged in whole or in part by a waiver or renunciation of the claim or right unless supported by consideration and in a writing signed by the aggrieved party. The failure of Purchaser to enforce at any time or for any period of time any of the provisions hereof will not be construed to be a waiver of such provisions or of the right of Purchaser thereafter to enforce each and every such provision. This Order can be modified or rescinded only by a writing signed by authorized representatives from both parties.

(m) **NOTICES:** All notices, consents, waivers, and other communications required or permitted to be given pursuant to this Order, shall be in writing and shall be deemed to have been delivered either (i) on the delivery date, if personally delivered, or if delivered by confirmed facsimile or e-mail, (ii) one (1) business day after delivery to any national overnight courier directing delivery on the next business day, receipt requested, or (iii) three (3) business days after deposit in the United States mail, registered or certified mail, return receipt requested, with adequate postage affixed thereto.

(n) **SEVERABILITY:** If any provision of this Order shall be held or deemed to be or shall, in fact, be illegal, inoperative or unenforceable, this provision shall not affect any other provision or provisions contained in this Order.

(o) **PARAGRAPH TITLES:** The paragraph titles are solely for convenience of reference and shall not affect the meaning or construction of any provision of this Order.

(p) **ENTIRE AGREEMENT:** Provided that there is no written agreement, duly executed by both parties, applying to the transaction, this Order, with such documents as are expressly incorporated by reference, is intended by the parties as a final expression of their agreement with respect to such terms as are included in it, and is intended also as a complete and exclusive statement of the terms of their agreement. No course of prior dealings between the parties and no usage of the trade will be relevant to determine the meaning of this agreement even though the accepting or acquiescing party has knowledge of the nature of the performance and opportunity for objection.

Replacement Parts

Replacement Parts Order Form

Spare or replacement parts can be purchased directly through Pregis or your local distributor. If faxing or mailing in an order it must be accompanied by a hard copy purchase order. Please follow up with a confirming telephone call. Cut off time for next day air shipments is 2:30 p.m. CST.

Pregis Automated Mailing & Bagging N102 W19300 Willow Creek Way, Unit D Germantown, WI 53022 Parts: 800-634-6359 ((Please Fill in Boxes Below)) Customer Name:	<table border="1"> <thead> <tr> <th colspan="4">RECOMMENDED SPARE PARTS</th> </tr> <tr> <th></th> <th>Check</th> <th>☒ to Order</th> <th></th> </tr> <tr> <th></th> <th>PART NO.</th> <th>QTY.</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td>☐</td><td>1036696</td><td>___</td><td>Fuse, 6.25A, 250V, 5 x 20mm</td></tr> <tr><td>☐</td><td>1030566</td><td>___</td><td>Zebra Printhead 203 dpi</td></tr> <tr><td>☐</td><td>869227-02</td><td>___</td><td>TT Ribbon, Black, 120mm x610m</td></tr> <tr><td>☐</td><td>1030661</td><td>___</td><td>Platen Roller Pro-Line SX</td></tr> <tr><td>☐</td><td></td><td></td><td></td></tr> <tr><td>☐</td><td>1036701</td><td>___</td><td>Spring, Compression, .055 Wire</td></tr> <tr><td>☐</td><td>1036579</td><td>___</td><td>Spring, Compression, 1"</td></tr> <tr><td>☐</td><td>1022073</td><td>___</td><td>Spring, Compression, 0.67 Wire</td></tr> <tr><td>☐</td><td>1022072</td><td>___</td><td>Spring, Compression, Stripper Plate</td></tr> <tr><td>☐</td><td>1022087</td><td>___</td><td>Spring, Extension, 1" x 1/4"OD</td></tr> <tr><td>☐</td><td>1030685</td><td>___</td><td>Compression Spring, L-Hand</td></tr> <tr><td>☐</td><td>1022134</td><td>___</td><td>Sensor, Inductive</td></tr> <tr><td>☐</td><td>1066836</td><td>___</td><td>450-3P-09 GT Belt (7947K795)</td></tr> <tr><td>☐</td><td>1066770</td><td>___</td><td>Pressure Bar Belt (166XL037G)</td></tr> <tr><td>☐</td><td>1051214</td><td>___</td><td>Sensor, Diffuse, Blue Lt, M4 Pigtail (FT 10-BFS-NS-KM4)</td></tr> <tr><td>☐</td><td>1022166</td><td>___</td><td>Timing Belt, Platen and Drive Roller (80XL037)</td></tr> <tr><td>☐</td><td>1036694</td><td>___</td><td>Roller, Film Feed Drive</td></tr> <tr><td>☐</td><td>1064348</td><td>___</td><td>Belt, Timing (88MXL025)</td></tr> </tbody> </table>	RECOMMENDED SPARE PARTS					Check	☒ to Order			PART NO.	QTY.	DESCRIPTION	☐	1036696	___	Fuse, 6.25A, 250V, 5 x 20mm	☐	1030566	___	Zebra Printhead 203 dpi	☐	869227-02	___	TT Ribbon, Black, 120mm x610m	☐	1030661	___	Platen Roller Pro-Line SX	☐				☐	1036701	___	Spring, Compression, .055 Wire	☐	1036579	___	Spring, Compression, 1"	☐	1022073	___	Spring, Compression, 0.67 Wire	☐	1022072	___	Spring, Compression, Stripper Plate	☐	1022087	___	Spring, Extension, 1" x 1/4"OD	☐	1030685	___	Compression Spring, L-Hand	☐	1022134	___	Sensor, Inductive	☐	1066836	___	450-3P-09 GT Belt (7947K795)	☐	1066770	___	Pressure Bar Belt (166XL037G)	☐	1051214	___	Sensor, Diffuse, Blue Lt, M4 Pigtail (FT 10-BFS-NS-KM4)	☐	1022166	___	Timing Belt, Platen and Drive Roller (80XL037)	☐	1036694	___	Roller, Film Feed Drive	☐	1064348	___	Belt, Timing (88MXL025)
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Copy this form and then fax it to:
+1 (262) 820-0373