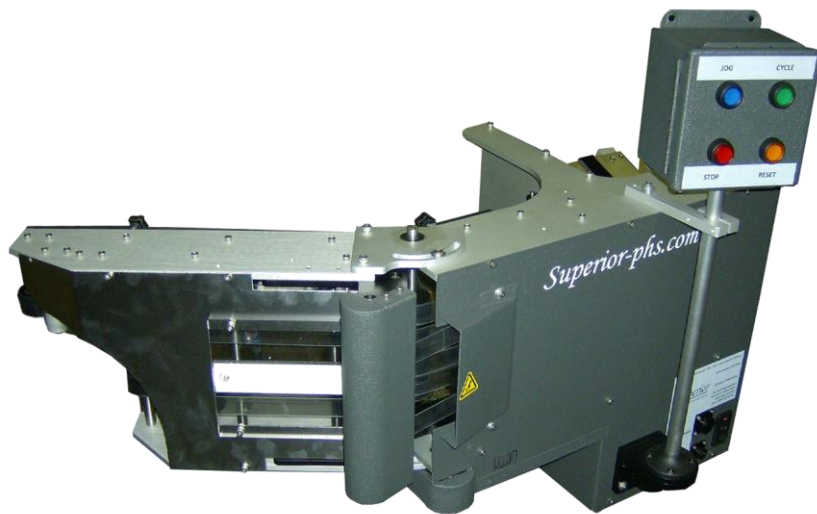


# Product Guide

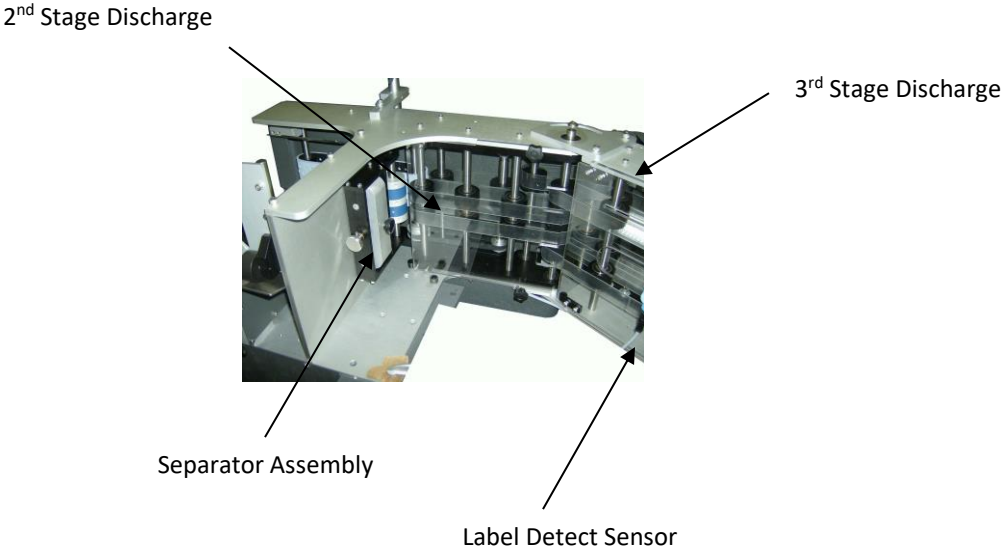
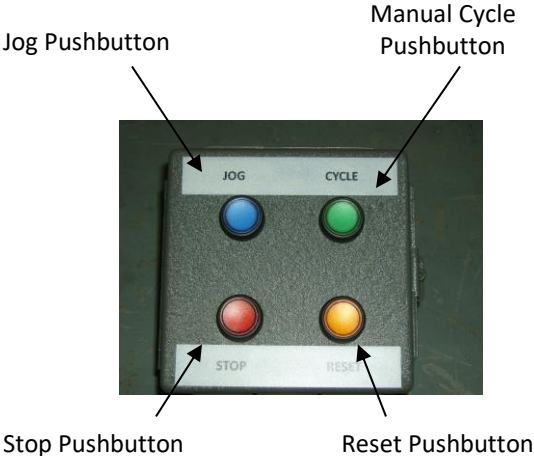
## On Edge Label Dispenser



Revised 010/10/16 (Serial Numbers 73015295-73015XXX)

- 1. Index (page 2)**
- 2. Machine Overview (page 3 )**
- 3. Set-up / Operation (page 4)**
- 4. Parts Detail**
  - Back Slide Rest Assembly (page 8)**
  - Angled Loading Tray Assembly (page 8)**
  - Separator Assembly (page 10)**
  - Feed Carriage Assembly (page 12)**
  - 2<sup>nd</sup> Stage Carriage Assembly (page 13)**
  - 3<sup>rd</sup> Stage Carriage Assembly (page 14)**
  - Electrical / Mechanical Components (page 16)**
  - Back Wrap Timing Pulley Assembly**
- 5. Maintenance (page 20)**
- 6. Electrical Schematic (page 21)**
- 7. Warranty (page 22)**

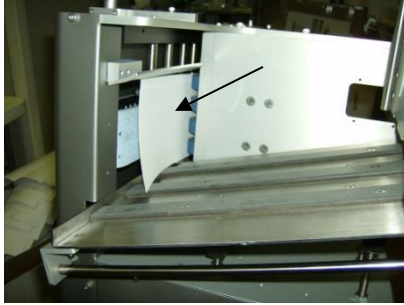
**2. Machine Overview**



### 3. Set-Up / Operation

#### **STEP 1**

With the rear slide assembly out of the way, insert one-piece of product between the separating rollers and feed belt.



Adjust the tray height so that the product is centered to the feed belt by loosening the adjustable levers, sliding up or down, and tighten the levers.

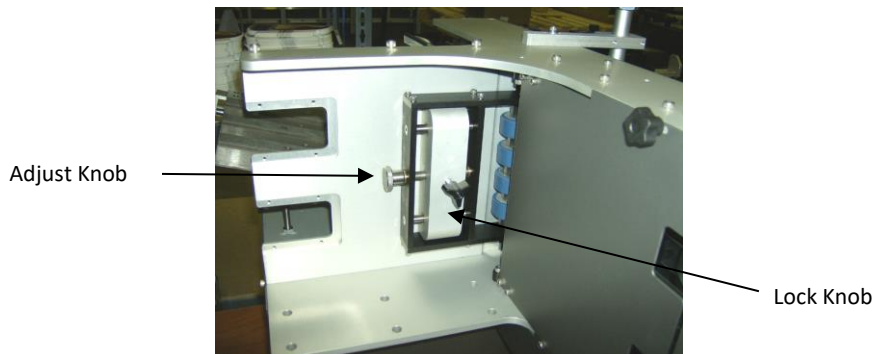


#### **STEP 2**

To proceed with setting the separator, first loosen the lock knob.

Turn the Separator adjust knob until there is a slight resistance on the product (gently slide the product in and out while adjusting the knob) Clockwise to lower = more resistance, Counter-clockwise to raise = less resistance.

When complete, retighten the lock knob.



**STEP 3**

Load additional product onto the hopper plate and position rear slide assembly onto product.



**STEP 4**

Switch power to “ON” position ( I )

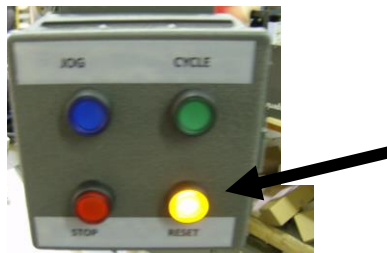
Note: there is a 2-second initialization period.



**STEP 5**

After initialization, the operator panel will illuminate the Reset push-button.

**NOTE—only the illuminated buttons are active.** In the picture below, only the RESET button is active.



**STEP 6**

Push the Reset push-button to bring the feeder into “Ready” mode. Ready mode will be indicated by illuminated Jog, Cycle, and Stop buttons.

In Ready mode, the feeder can be “Jogged”, “Cycled”, or “Stopped” simply by pressing the corresponding push-button.

- Pressing the Jog button will advance the machine until the button is released.
- Pressing the Cycle button will begin a complete manual feed cycle of the machine and stop
- Pressing the Stop button will instantly stop the machine and take the feeder out of Ready mode.
- Push Reset button to return to Ready mode.



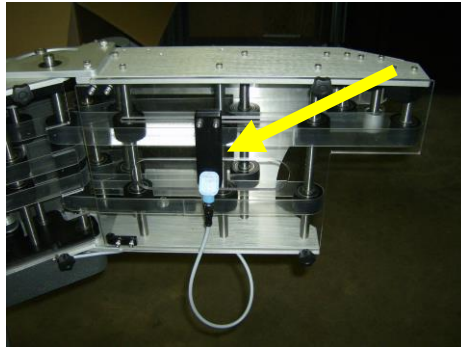
**\*\*NOTE\*\***

If an I/O cable is being used and connected to the labeler, reference the Electrical Schematic on page 21 for external commands that can be remotely used.

**STEP 7**

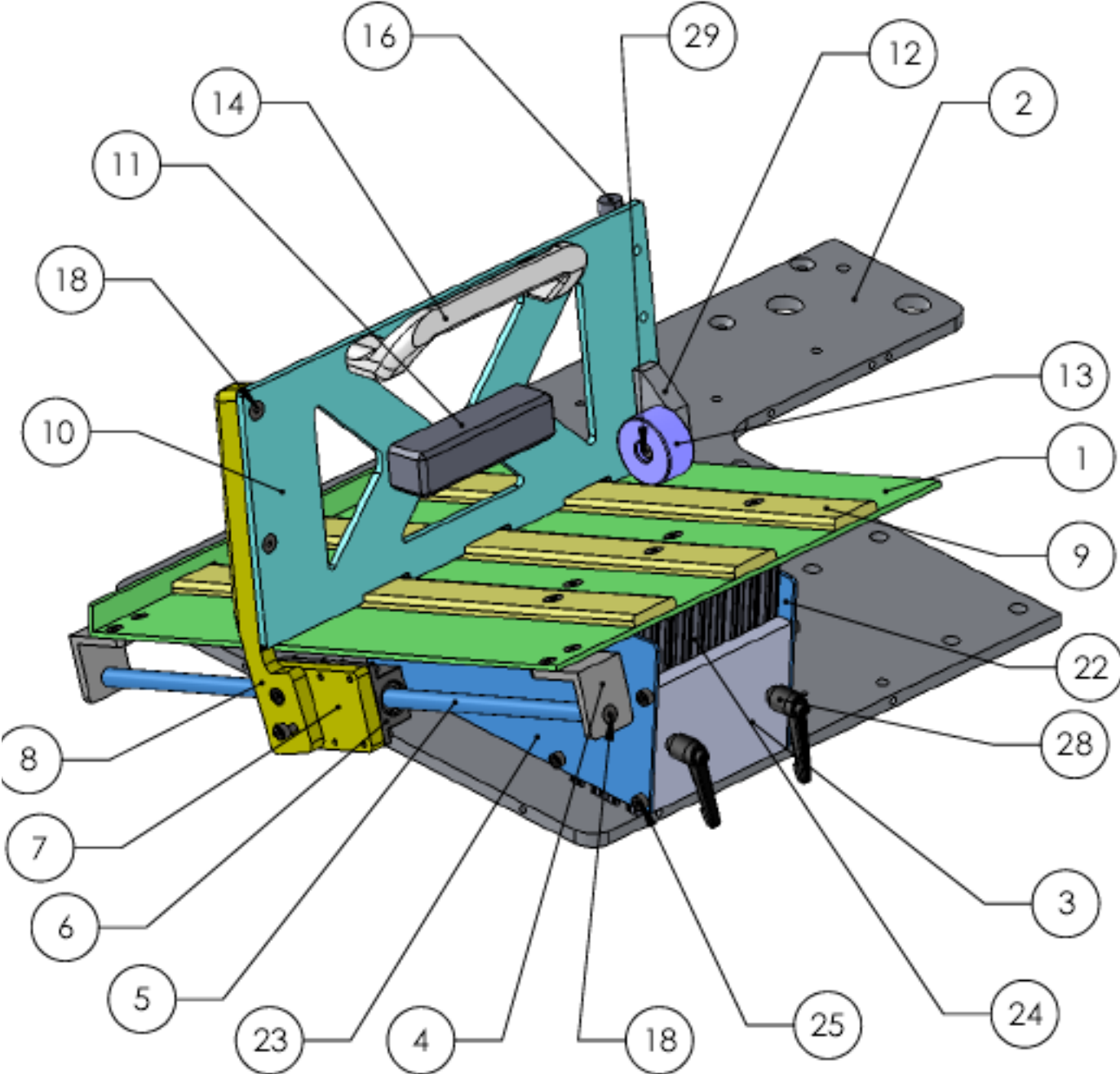
Set the Product Detect sensor based on the length of the label. A good starting reference is the set so that the label is flush to the end of the feeder discharge. Then adjust from there

This sensor triggers from the trailing edge of the label. When changing label sizes, the position of where the label needs to feed to will change and will require adjustment of the stopping position, via the product detect sensor.



**4. Parts Detail**

**Back Slide Rest & Angled Tray Assembly**

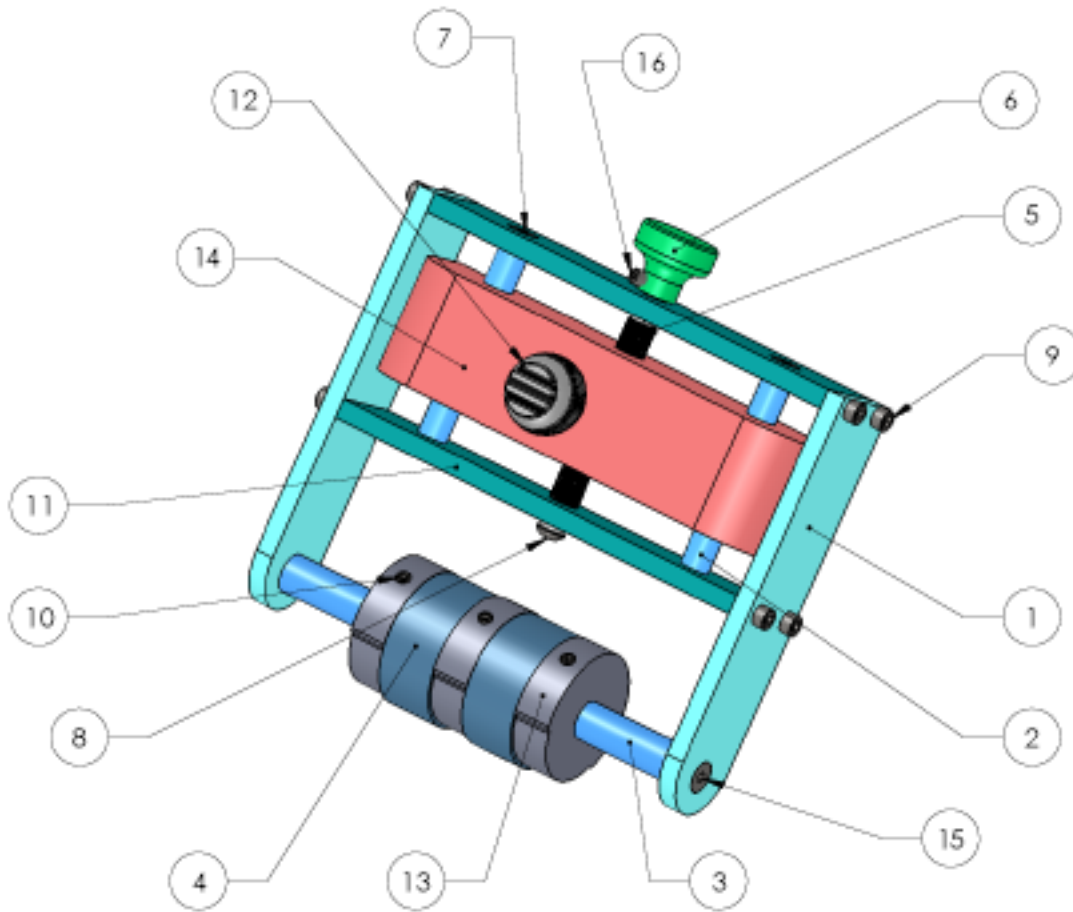




**Back Slide Rest & Angled Tray Assembly**

Item	Part Number	Description	Qty
1	302021	Angled Loading Tray (C-9000226)	1
2	302000	Main Base Plate (C-9000253)	1
3	302033	Wedge support cross bar (C-9000317)	2
4	302022	Shaft support bracket (C-9000231)	2
5	302023	Slide shaft (C-9000244)	1
6	350028	Linear bearing (112002)	2
7	302034	Bottom upright (C-9000318)	1
8	302035	Top upright (C-9000319)	1
9	302025	Tray Pad (C-9000249)	3
10	302036	Rest Plate (C-9000232)	1
11	302037	Weight (C-9000286)	1
12	302038	Mount Block, roller (C-9000235)	1
13	302039	Roller (C-9000241)	1
14	350029	Handle (112016)	1
15	350032	push rod, Collar( 92510A644 6432K16)	2 1
16	302040	Push rod (C-9000285)	1
22	302041	Inside Wedge (C-9000314)	1
23	302042	Outside Wedge (C-9000315)	1
24	302043	Adjust Rail (C-9000316)	1
28	350031	¼-20 ¾ Adjustable Handle	2
29	Obsolete	Shaft, roller (C-9000246B). Order 302039 Only.	X

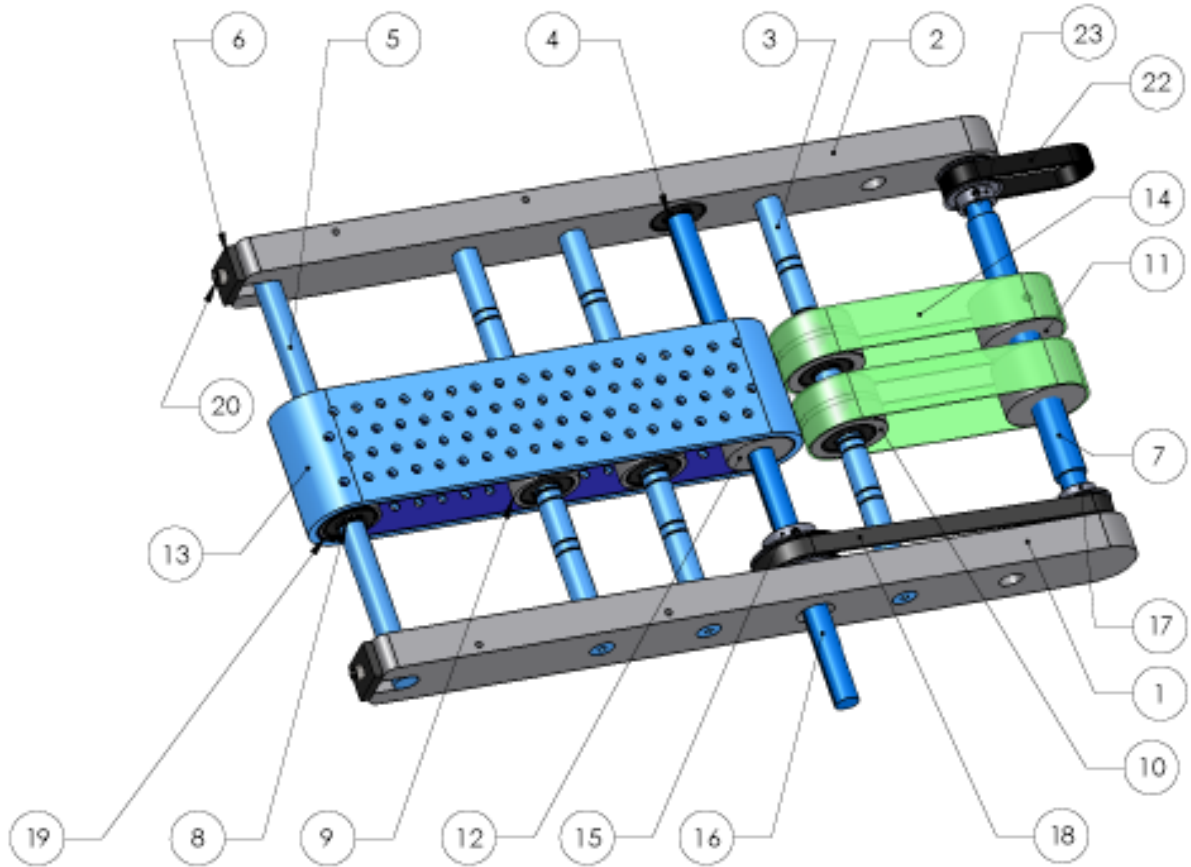
**Separator Assembly**



**Separator Assembly**

Item	Part Number	Description	Qty
1	302044	Separator Side support plate (C-9000260)	2
2	302045	Slide Shaft (C-9000261)	2
3	302046	Separator Wheel Mounting Shaft (C-9000262)	1
4	100172D	Blue Separator Wheel w/ Bearing (200155)	2
5	302407	Threaded Rod Adjustment. (C-9000273)	1
6	350035	Knob 60205K54. (C-9000281)	1
7		SCHCSREW 0.19-32X0.5X50.5-HS-C	4
8		SBHCSCREW 0.19-32X0.5-HX-N	1
9		SBHCSCREW 0.19-32X0.5-HX-N	8
10		SSCUPSKT 0.19-32X0.375-HX-N, brass tip	3
11	302048	Separator Shaft Support Plate (C-9000258)	2
12	350037	¼-20 x 1" Long Knob or Adjustable Handle (5993K87)	1
13	302049	Notched Separator Spacer Roller. (C-9000304)	3
14	302050	Main Threaded Adjustment Block (C-9000251)	1
15		10-32 x ¾" FHCS	2
16		10-32 x 3/8" set screw w nylon tip	1

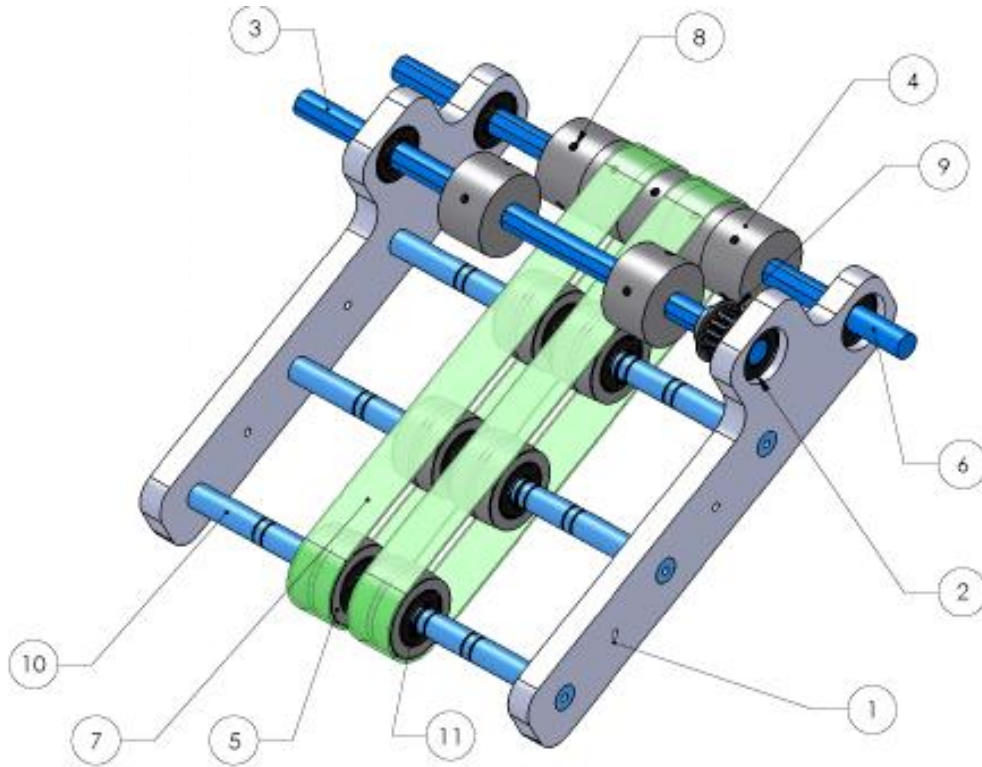
**Feed Carriage Assembly**



Item	Part Number	Description	Qty
1	400053	RH Carriage holder (100137B)	1
2	400066	LH Carriage holder (100136B)	1
3	302027	Idler shaft (C-9000263)	3
4	100141	R8 Bearing	14
5	302028	Idler take up shaft (100142C)	1
6	100161	Tension plate	2
7	302024	Discharge drive shaft (C-9000265B)	1
8		½" Retaining Ring SST	14
9	100146	Long idler pulley	2
10	100154/100141	Crowned Idler Short Pulley	2
11	100152A	Flat Drive Short Pulley	2

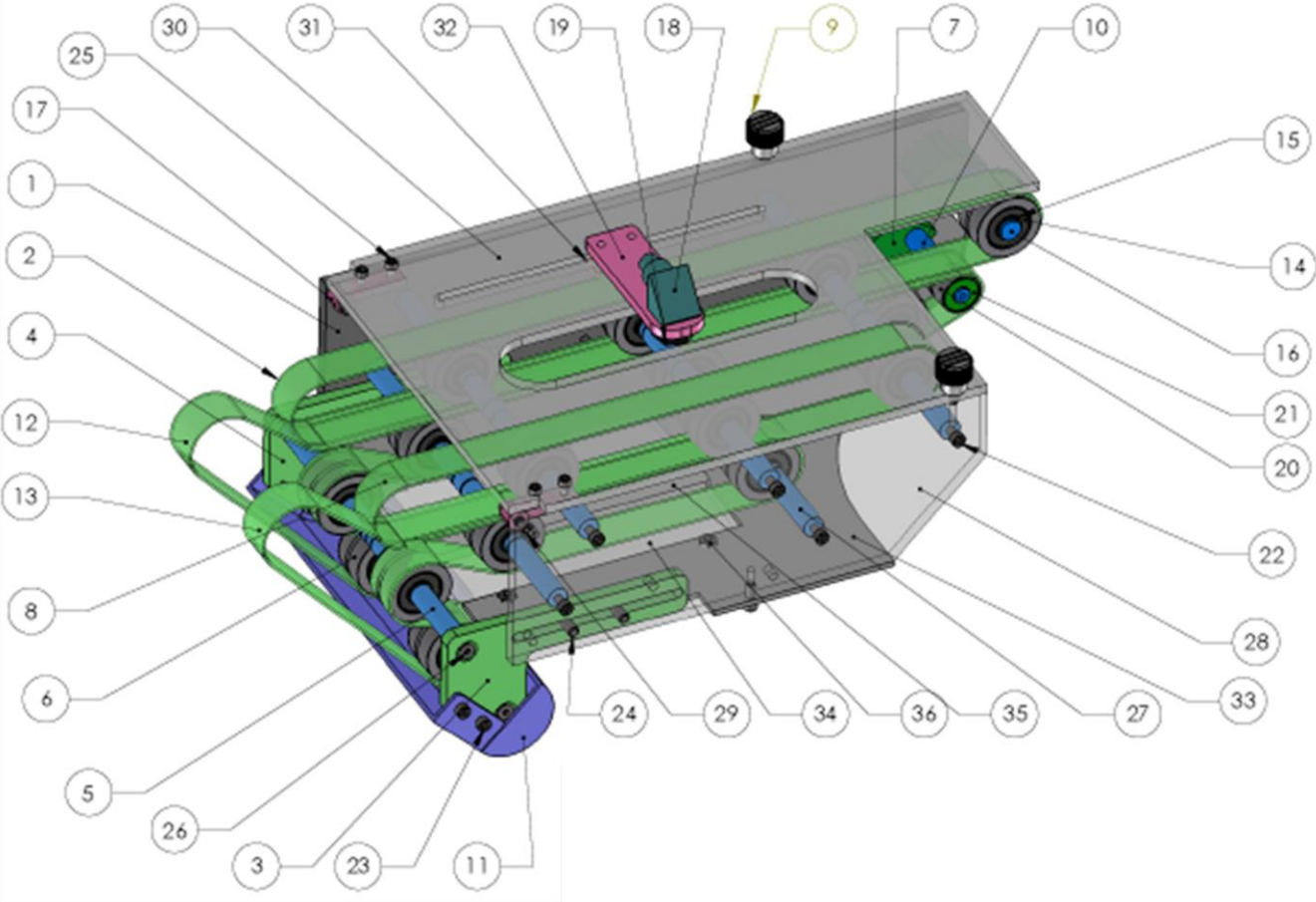
Item	Part Number	Description	Qty
12	100151	Flat Drive Long Pulley	1
13	100157	Feed Belt	1
14	100159	Discharge belt	2
15	100195	24XL037 Timing Pulley	1
16	302026	Main carriage drive shaft (C-9000266)	1
17	100543	15XL037 Timing Pulley	1
18	100196	160XL037 Timing Belt	1
19	100149	Rear Idler Pulley Long	1
20		10-32 x 1 SHCS	2
21		10-32 x 3/8 SHCS	6
22	112009	70XL037 Timing Belt	1
23	100194	16XL037 Timing Pulley	1

**2nd Stage Carriage Holder**



Item	Part Number	Description	Qty
1	302030	Carriage Holder 2 <sup>nd</sup> stage (C-9000227)	2
2	100141	R8 Bearing	16
3	302031	Drive shaft 2 <sup>nd</sup> stage (C-9000267)	1
4	100152	Flat Drive Short Pulley	7
5	100154	Crown Idler Short Pulley	6
6	302032	Drive Shaft extended (C-9000268)	1
7	112001	Urethane Belt	2
8		10-32 x 3/8 Set Screw	14
9	100543	Timing pulley 15XL037	1
10	302027	Idler Shaft (C-9000263)	3
11		½" retaining ring	16

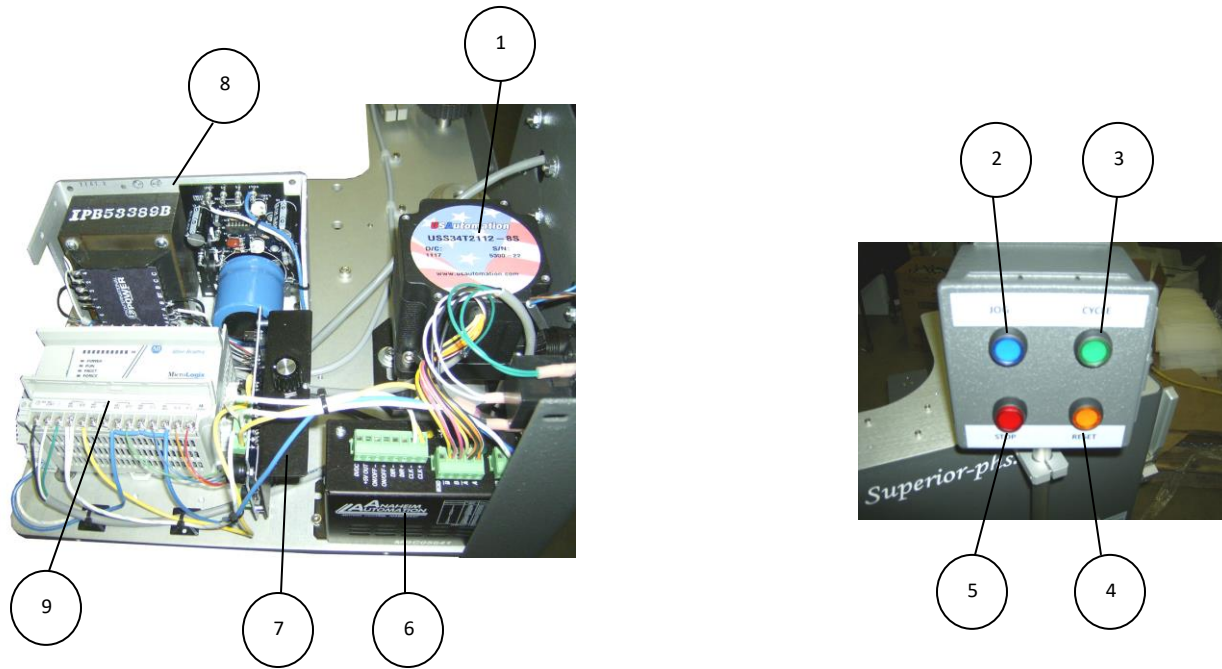
**3<sup>rd</sup> Stage Carriage Assembly**



### 3<sup>rd</sup> Stage Carriage Assembly

Item	Part Number	Description	Qty
1	302003	Top Pivot extension belt plate (C-9000259)	1
2	112005	Long inside urethane belt	1
3	302006	Bottom take up bracket (C-9000256)	1
4	302005	Top take up bracket (C-9000255)	1
5	302018	Idler shaft tensioning (C-9000269)	2
6	100154	Crowned idler short pulley	15
7	302010	Support block (C-9000240)	3
8	112006	Short inside urethane belt	1
9	390097	Lobed knob (100391)	2
10	302020	.375, Cantilever shaft (C-9000270)	1
11	302012	Wrap cover (C-9000275)	1
12	112003	Long outside urethane belt	1
13	112004	Short outside urethane belt	1
14	100141	R8 Bearing	30
15		½" retaining ring	30
16	302019	.500 cantilever shaft (C-9000271)	1
17	302011	Hinge bracket (C-9000247)	2
18	112013	Photo sensor	1
19	NA	Nut, photo sensor. Comes with Sensor.	1
20	302052	Discharge tip idler pulley (C-9000272)	1
21	100135	R6 bearing	2
22		10-32 x 1 SHCS	16
23		10-32 x ½ SHCS	11
24		¼-20 x ¾ SHCS	4
25		8-32 x ½ SHCS	6
26		10-32 x ¾ SHCS	4
27	302027	Idler Shaft (C-9000263)	5
28	302014	Bottom Belt Plate (C-9000239)	1
29		Shoulder bolt .250 dia x .500 – 10/24	2
30	302057	Top Cover Guard (C-9000230)	1
31	302058	Photo sensor slider nut (C-9000257)	1
32	302059	Photo sensor mount (C-9000246)	1
33	400302	Back cover (C-9000228)	1
34		Obsolete. All Stainless. (C-9000313) Order 400302.	1
35	112014	Reflector	1
36		KEPS Hex nut 10/32	4

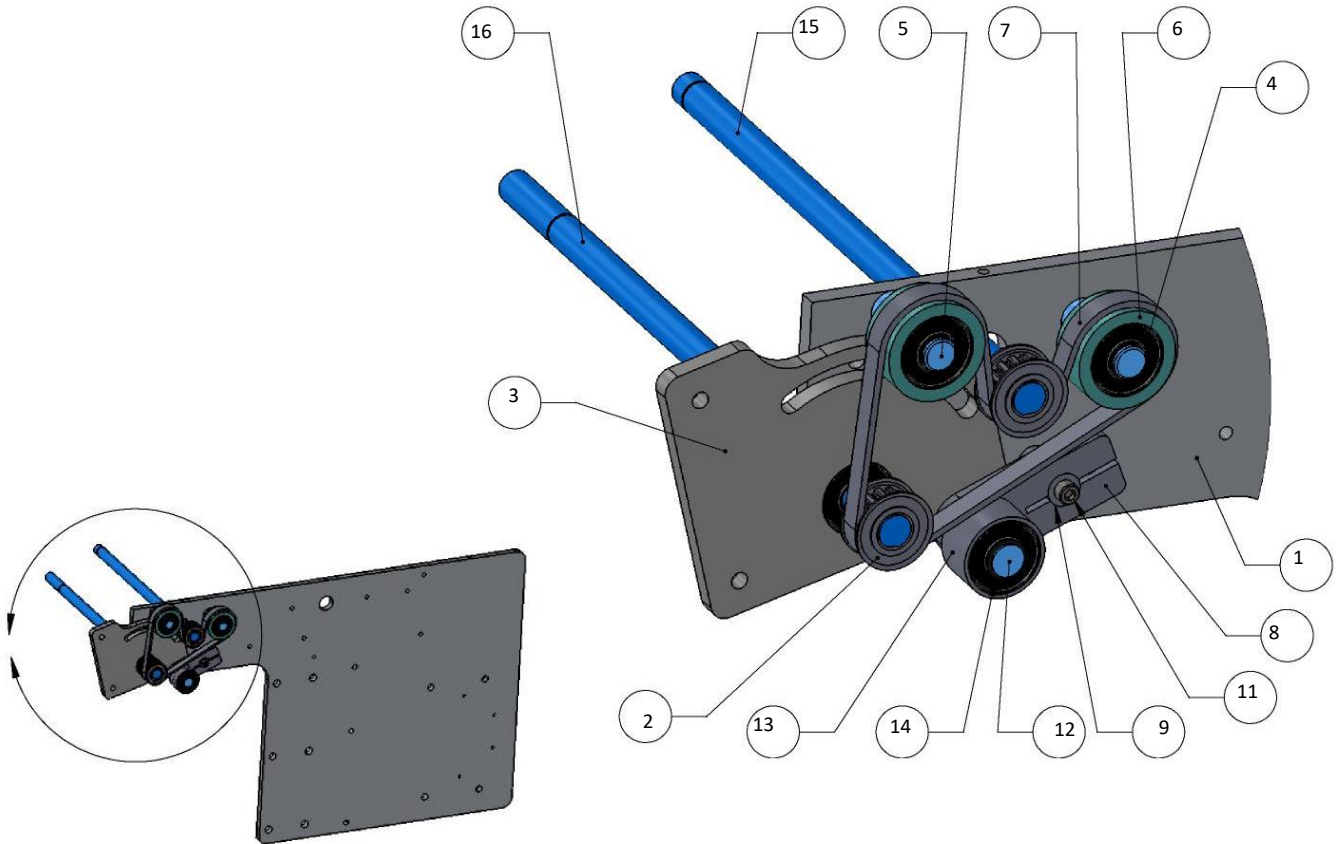
**Electrical**



Item	Description	Part Number	Qty
1	Stepper Motor (100236)	350670	1
NS	Drive motor pulley 20T - HTD	300119	1
NS	Drive shaft pulley 30T - HTD (112027-32T)	350021	1
NS	Drive belt 415-5M-15	112008	1
2	Blue Push button	112051	1
	Blue LED	112055	1
3	Green Push button	112052	1
	Green LED	112056	1
4	Yellow Push button	112053	1
	Yellow LED	112057	1
5	Red Push button	112050	1
	Red LED	112054	1
all	N.O. Contact Block w/ mount	112058	4
6	Stepper Drive Board	112077	1
7	Stepper Pulse Board	112011	1
8	Power Supply	112012	1
NS	Sensor, Label Detect, Sheet	112013	1
NS	Sensor, Trigger	112013	1
9	Allen Bradley PLC (112049)	400596	1

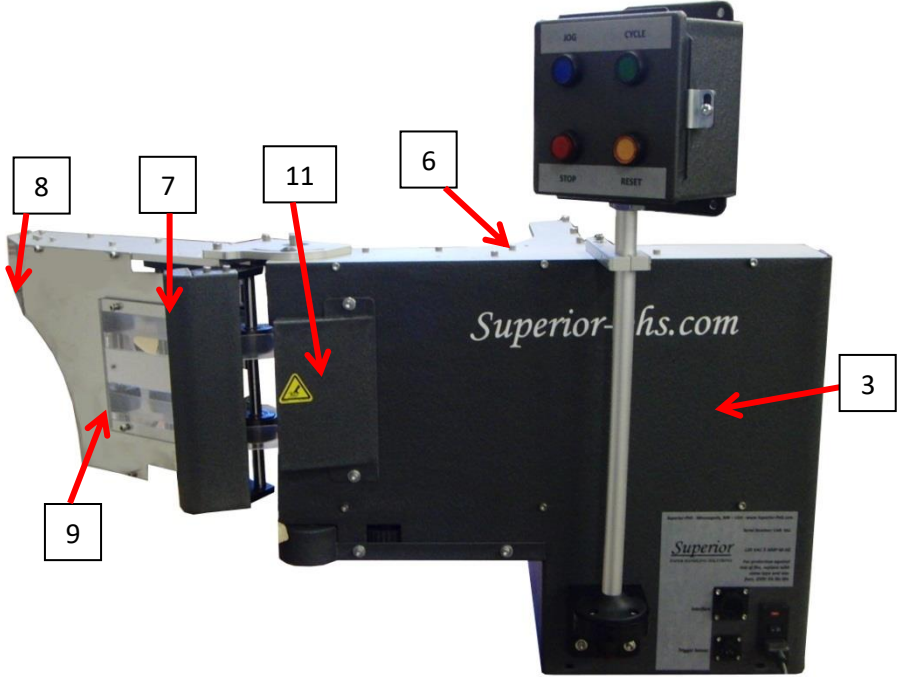
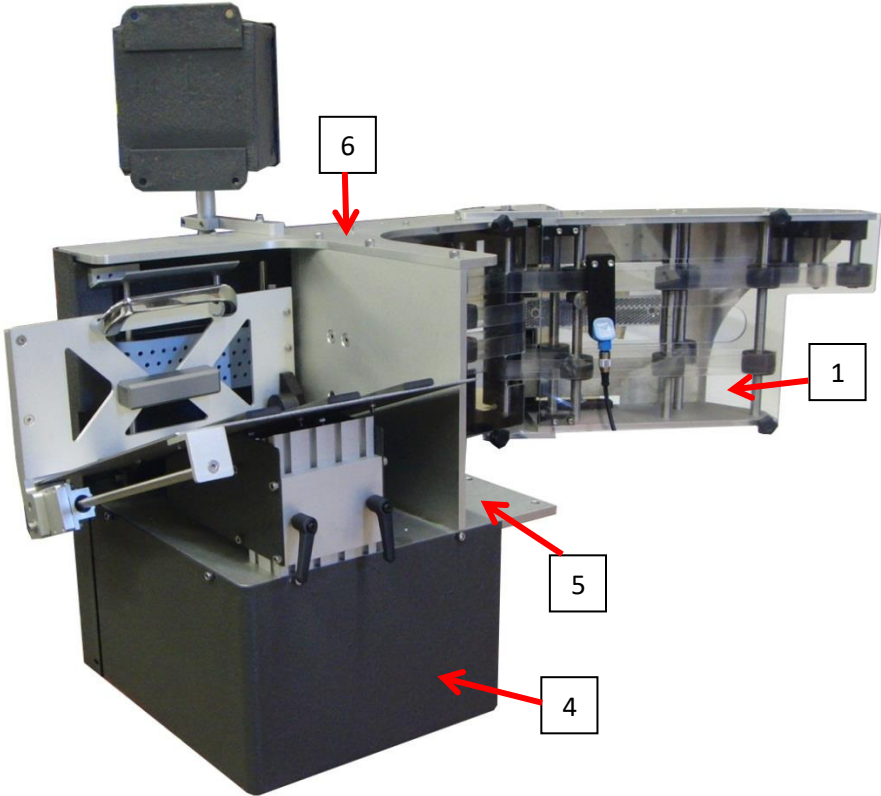


**Back Wrap Timing Pulley Assembly**

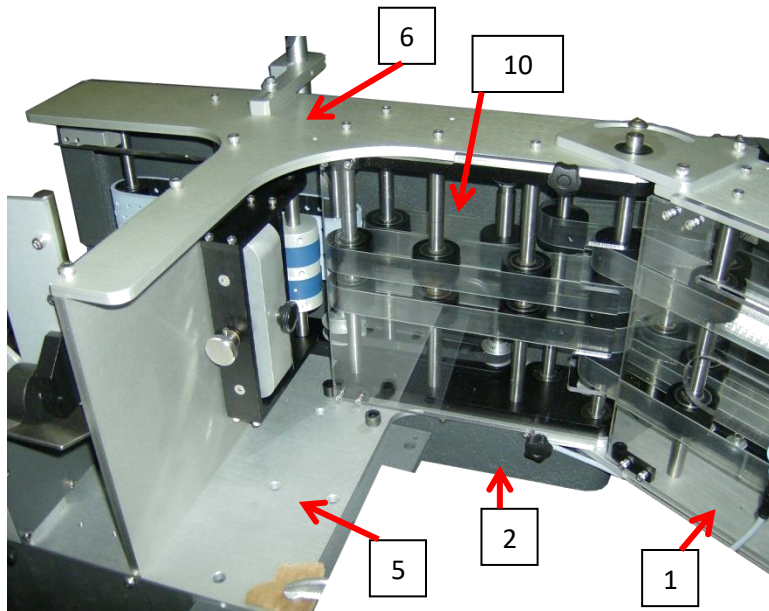


Item No.	Description	Part Number	Qty.
1	Main Base Plate (C-9000253)	302000	1
2	20-5M-15AL Timing Pulley W .5in Bore	350119	2
3	Angle Coupling Plate (C-9000225)	302002	1
4	R8 Bearing	100141	6
5	Back Wrap Idler Pulley Mount Shaft (C-9000243)	302017	2
6	Back Wrap Idler Pulley (C-9000242)	302029	2
7	Back Wrap Timing Belt D450-5M-15	112007	1
8	Wrap Belt Tension Arm (C-9000288)	302064	1
9	Wrap Belt Tension Arm Stub Shaft (C-9000287)	302063	1
10	SCHSCREW 0.25-20x1x1-HX-N (Not Shown)	1/4-20 X3/4 FHCS	1
11	HX-SHCS 0.19-32x1.5x1.125-N	10-32 X1-1/2 SHCS	1
12	Wrap Belt Tension Arm Pulley Shaft (C-9000289)	302065	1
13	Back Wrap Tension Arm Pulley (C-9000324)	302066	1
14	1/2" Stainless Retaining Ring	100190	2
15	2nd Stage Drive Shaft (C-9000267)	302031	1
16	2nd Stage Drive Shaft W/ Top Extension (C-9000268)	302032	1

Mechanical



**Mechanical Continued...**



Item	Description	Part Number	Qty
1	Stage 3, Inside Cover, Plexiglas (C-9000230)	302057	1
2	Bottom belt cover (C-9000234)	302007	1
3	Bottom cover, Metal, Stage 1 & 2 (C-9000238)	302004	1
4	Bottom hood (C-9000245)	302008	1
5	Main base plate (C-9000253)	302000	1
6	Main top plate (C-9000254)	302001	1
7	Wrap Cover (C-9000275)	302012	1
8	Stage 3, Front Side Cover, Stainless (C-9000228)	400302	2
9	Stage 3, Window Guard, Plexiglas (C-9000313)	Obsolete. Order 400302	1
10	Stage 2, Inside Cover, Plexiglas (C-9000237)	302009	1
11	Stage 2, Bottom Cover, Metal (C-9000303)	302078	1

**Notes:**

## 5. Maintenance

Please remember that all maintenance and service to the OnEdge-1 Versatile Feeding Solution should only be performed by qualified technicians. Always disconnect power before attempting any maintenance or service procedure.

### Belts

Over time, you will notice “build-up” on the feed and discharge belts and the separator rollers. This is normal and is usually from the dust, finish, or coating normally on the products fed. Regular cleaning of the belts and rollers will extend their life.

Belts, pulleys, and rollers should only be cleaned with Isopropyl Alcohol.

A good practice is to clean the belts and rollers weekly. If running UV or Aqueous coated materials, daily cleanings are recommended.

### Sensors

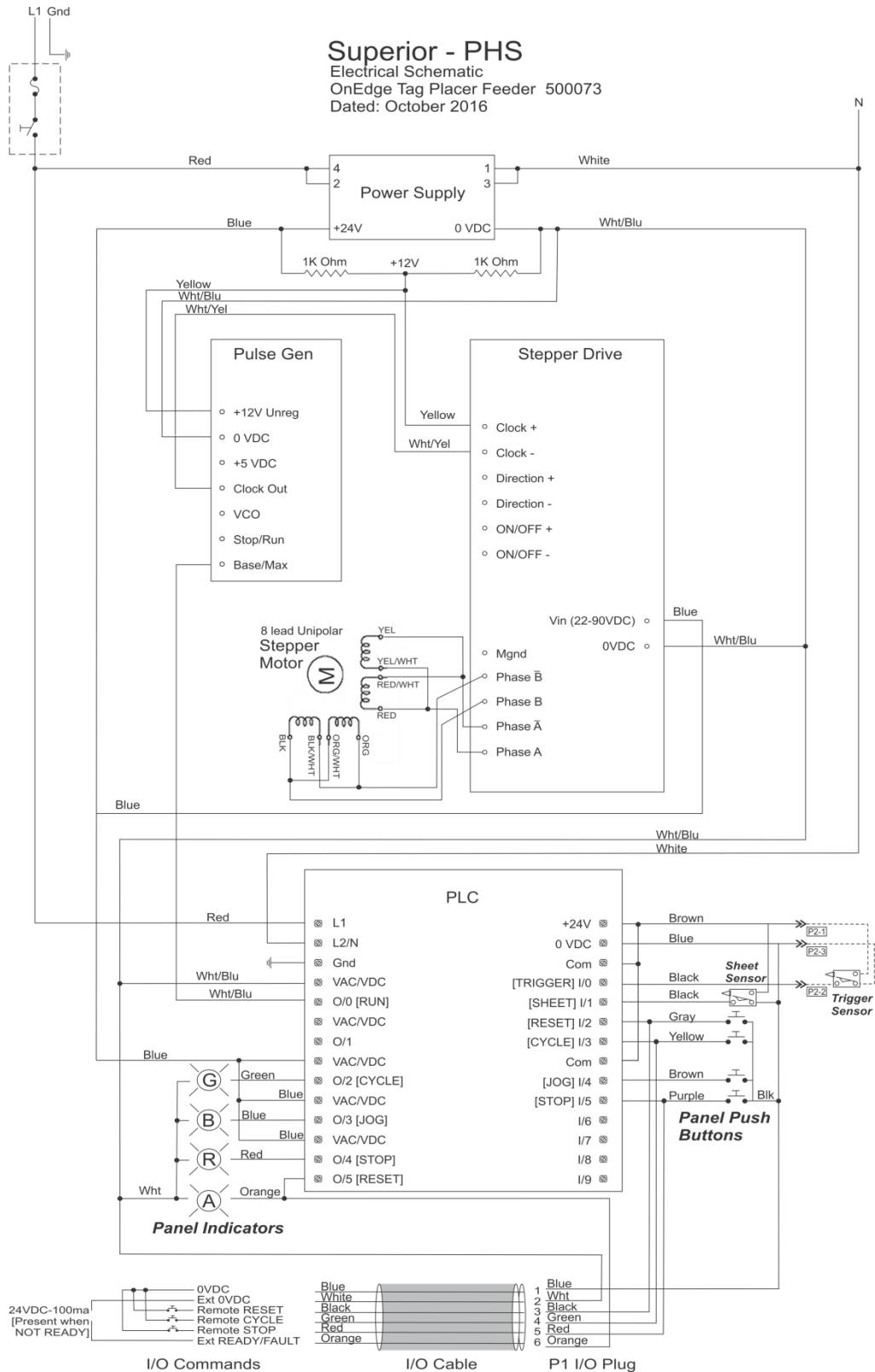
Wipe sensors with a clean lint free cloth to clear any dust build up. Recheck the adjustment of the sensors if they were moved during cleaning and reset.

### Machine

It is always best to keep machines clean. Keep them dusted and free of spills.

Always inspect your machine for loose or damaged items and replace them immediately.

## 6. Electrical Schematic



## 7. Warranty

### WARRANTY:

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

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

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

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

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

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

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

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