ISM Service Manual

Infinity Solutions Manufacturing
192 Gannett Drive South Portland, ME 04106
(207) 899-1714

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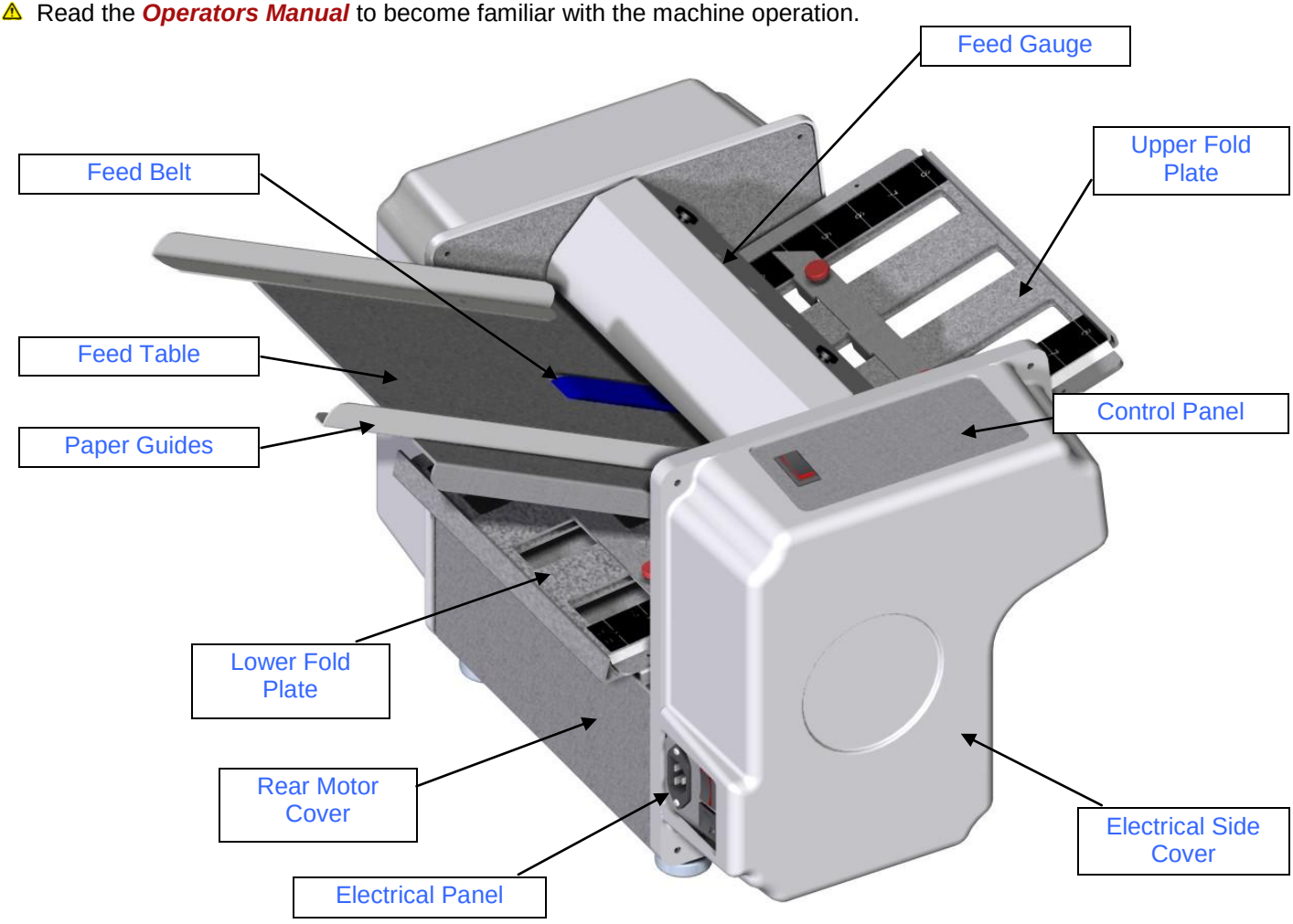
Tools Needed

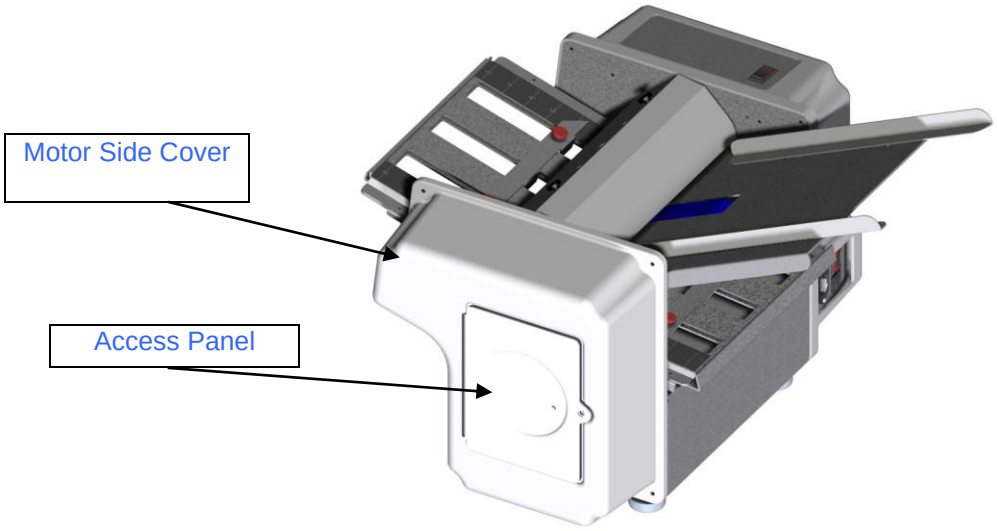
- Set of U.S.A. standard Inch Allen Wrenches (3/32”, 5/64”, 1/8”, 3/16”, ¼”)
- 7/16” Deep Socket & Driver
- ½” Open end wrench
- Needle nose Pliers
- Flat Head Screwdriver
- Continuity Tester

⚠ **Warning:** Before servicing the machine, disconnect the power cord from the machine.

Machine Overview

⚠ Read the ***Operators Manual*** to become familiar with the machine operation.

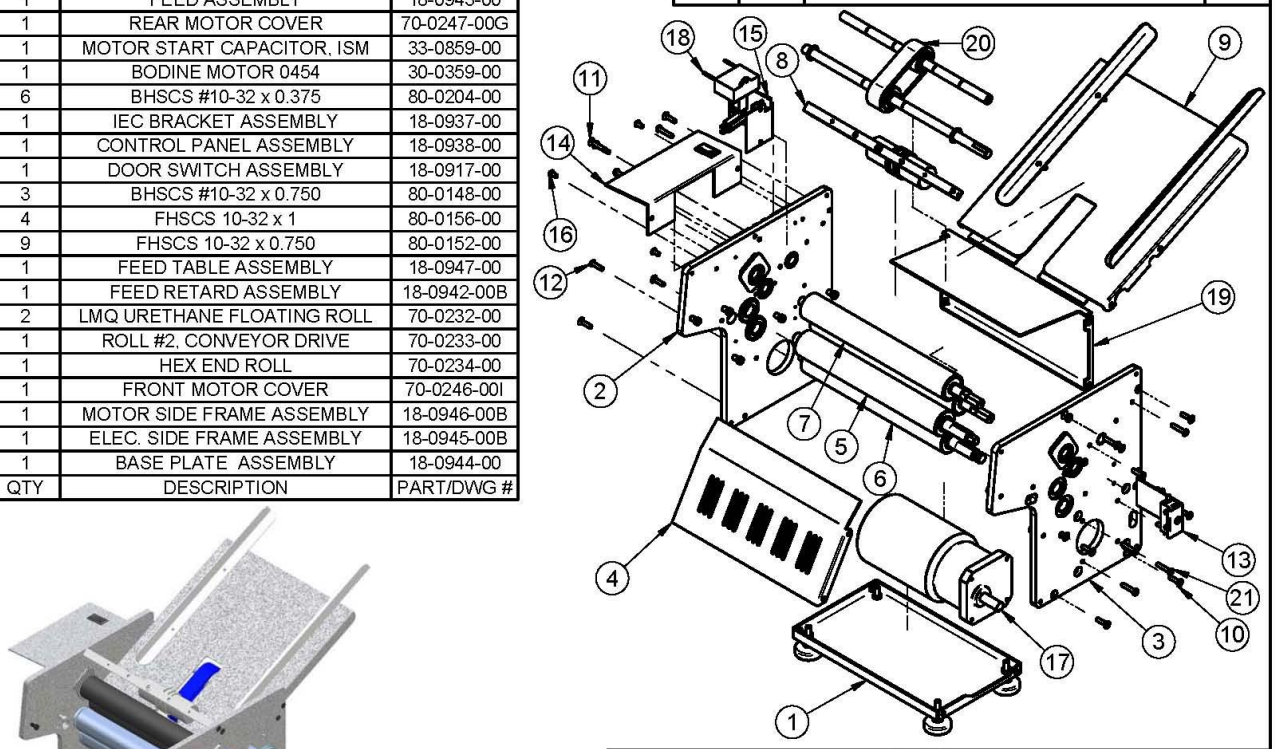




Chassis

ITEM	QTY	DESCRIPTION	PART/DWG #
21	6	BHSCS #10-32 x 1	80-0214-00
20	1	FEED ASSEMBLY	18-0943-00
19	1	REAR MOTOR COVER	70-0247-00G
18	1	MOTOR START CAPACITOR, ISM	33-0859-00
17	1	BODINE MOTOR 0454	30-0359-00
16	6	BHSCS #10-32 x 0.375	80-0204-00
15	1	IEC BRACKET ASSEMBLY	18-0937-00
14	1	CONTROL PANEL ASSEMBLY	18-0938-00
13	1	DOOR SWITCH ASSEMBLY	18-0917-00
12	3	BHSCS #10-32 x 0.750	80-0148-00
11	4	FHSCS 10-32 x 1	80-0156-00
10	9	FHSCS 10-32 x 0.750	80-0152-00
9	1	FEED TABLE ASSEMBLY	18-0947-00
8	1	FEED RETARD ASSEMBLY	18-0942-00B
7	2	LMQ URETHANE FLOATING ROLL	70-0232-00
6	1	ROLL #2, CONVEYOR DRIVE	70-0233-00
5	1	HEX END ROLL	70-0234-00
4	1	FRONT MOTOR COVER	70-0246-00I
3	1	MOTOR SIDE FRAME ASSEMBLY	18-0946-00B
2	1	ELEC. SIDE FRAME ASSEMBLY	18-0945-00B
1	1	BASE PLATE ASSEMBLY	18-0944-00

REV	DATE	DESCRIPTION	ECR



UNLESS OTHERWISE SPECIFIED
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TOLERANCES:
ANGLES± 1°
1 PLACE DECIMAL ± .05
2 PLACE DECIMAL ± .010
3 PLACE DECIMAL ± .005
4 PLACE DECIMAL ± .0005

MATERIAL

FINISH

Bri-Lin Corporation
16 Amarosa Drive
Rochester, NH 03868

DRAWING TITLE
ISM MAIN CHASSIS

SCALE	DATE	DRAWN BY
	6/18/2008	A. LIEBECK

PART/DRAWING #	REV	APPROVED BY
18-0440-00B	B	

Figure 1: Chassis Assembly View

Removing the Side Covers

1. Unplug ***Power Cord*** from the machine.
2. Remove the four ***Cover Mount Screws*** at the corners of the side cover

Removing the Motor Side Frame

1. Remove both ***Fold Plates***.
2. Remove the ***Motor Side Cover***
3. Remove the ***Electrical Side Cover***.
4. Remove the ***Rear Motor Guard Screw*** on the ***Electrical Side***
5. Place the ***Electrical Side Cover*** on a sturdy flat surface.
6. Turn the machine on its side (***Electrical Side*** face

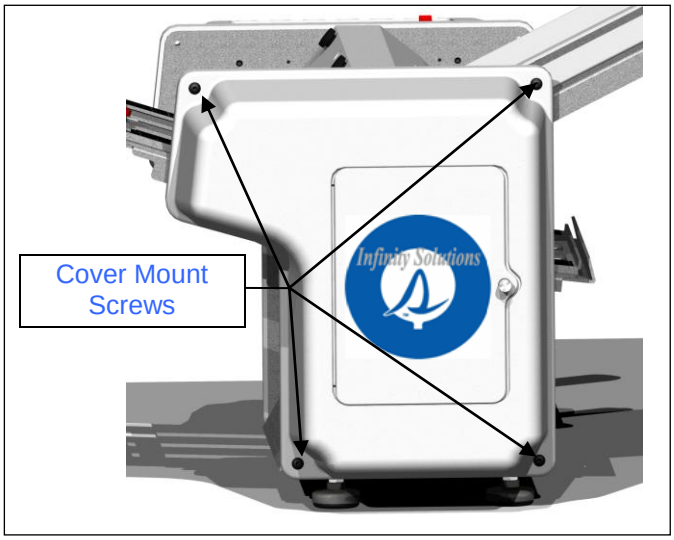


Figure 2: Side Cover Screws

down), resting it on the ***Electrical Side Cover*** so that the side ***Electrical Side Frame*** is seated properly in the side cover.

7. Remove the ***Feed Gauge Cover*** by removing both black thumb screws.
8. Remove the ***Feed Drive O-ring***.
9. Remove the ***Roll Gears***.
    a. Loosen both set screws 2-3 turns.
    b. Pull the gear off of the roll.
    c. Remove the key from the roll.
10. Remove the ***Motor Gear***.
    a. Loosen both set screws 2-3 turns.
    b. Pull the gear off of the motor shaft.
    c. Remove the key from the motor shaft.
11. Remove the ***Idler Gear*** by removing the shoulder-bolt on which it is mounted.
12. Remove the ***Feed Pulley***
    a. Loosen the set screw 2-3 turns.
    b. Pull the pulley off of the shaft.
13. Disconnect both leads from the ***Door Switch***
14. Remove the screws which attach the ***Feed Table***, ***Feed Idler***, ***Feed Gauge***, ***Base Cover***, and ***Motor Covers***

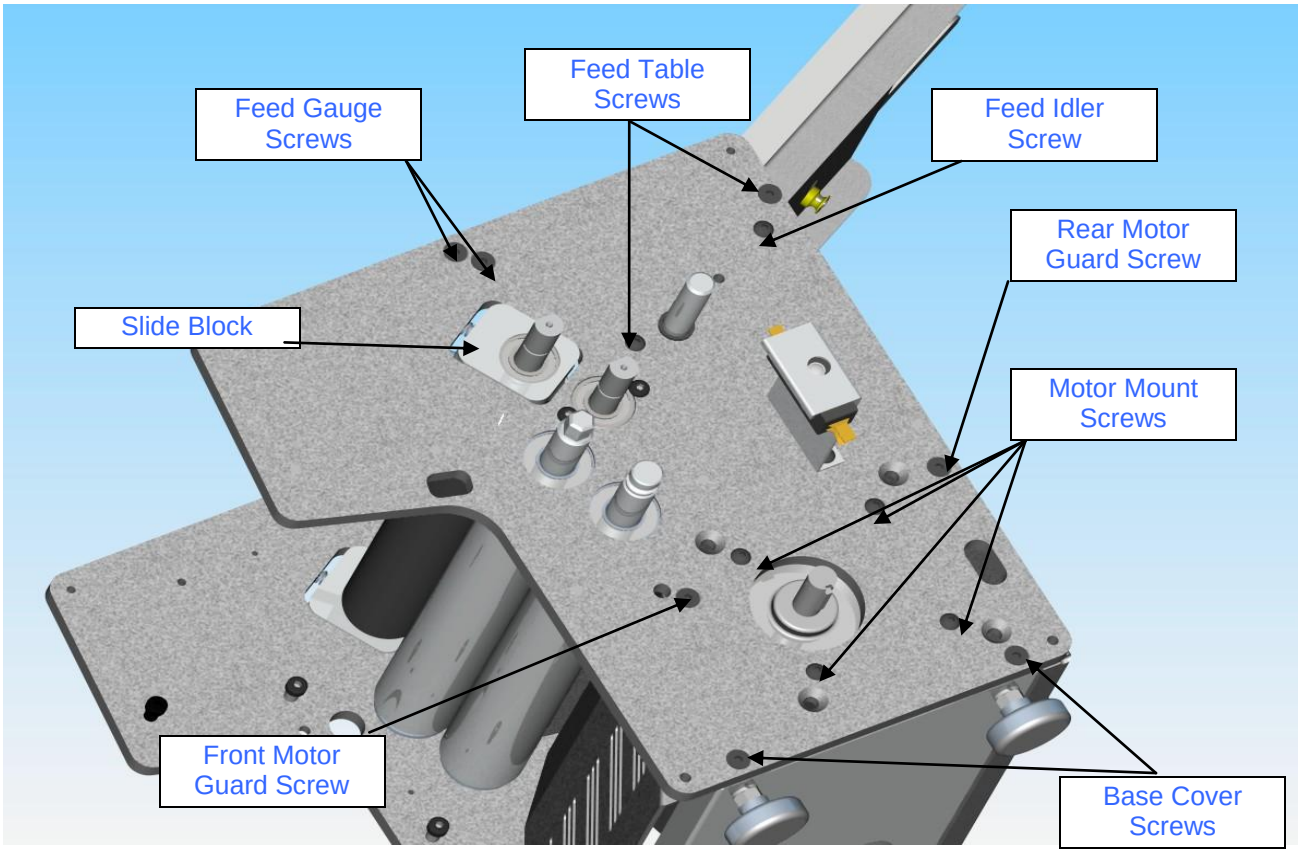


Figure 3: Motor Side Frame Removal

15. Remove the ***Rear Motor Guard***.
16. Remove the ***Motor Mount Screws***. Be careful to catch the ***Motor*** before it drops. Gently let it rest on the ***Electrical Side Frame***.

17. Slowly pull up on the ***Motor Side Frame***. As you pull the frame off of the rolls, reach under and push the ***Slide Block*** up against the ***Motor Side Frame*** so that it stays with the frame as you remove it.

Removing the Electrical Side Frame

1. Remove both ***Fold Plates***.
2. Remove the ***Electrical Side Cover***
3. Remove the ***Feed Gauge Cover*** by removing both black thumb screws.
4. Remove the ***Access Door*** from the ***Motor Side Cover***.
5. Turn the machine on its side (***Motor Side Cover*** face down), resting it on the ***Motor Side Cover***.

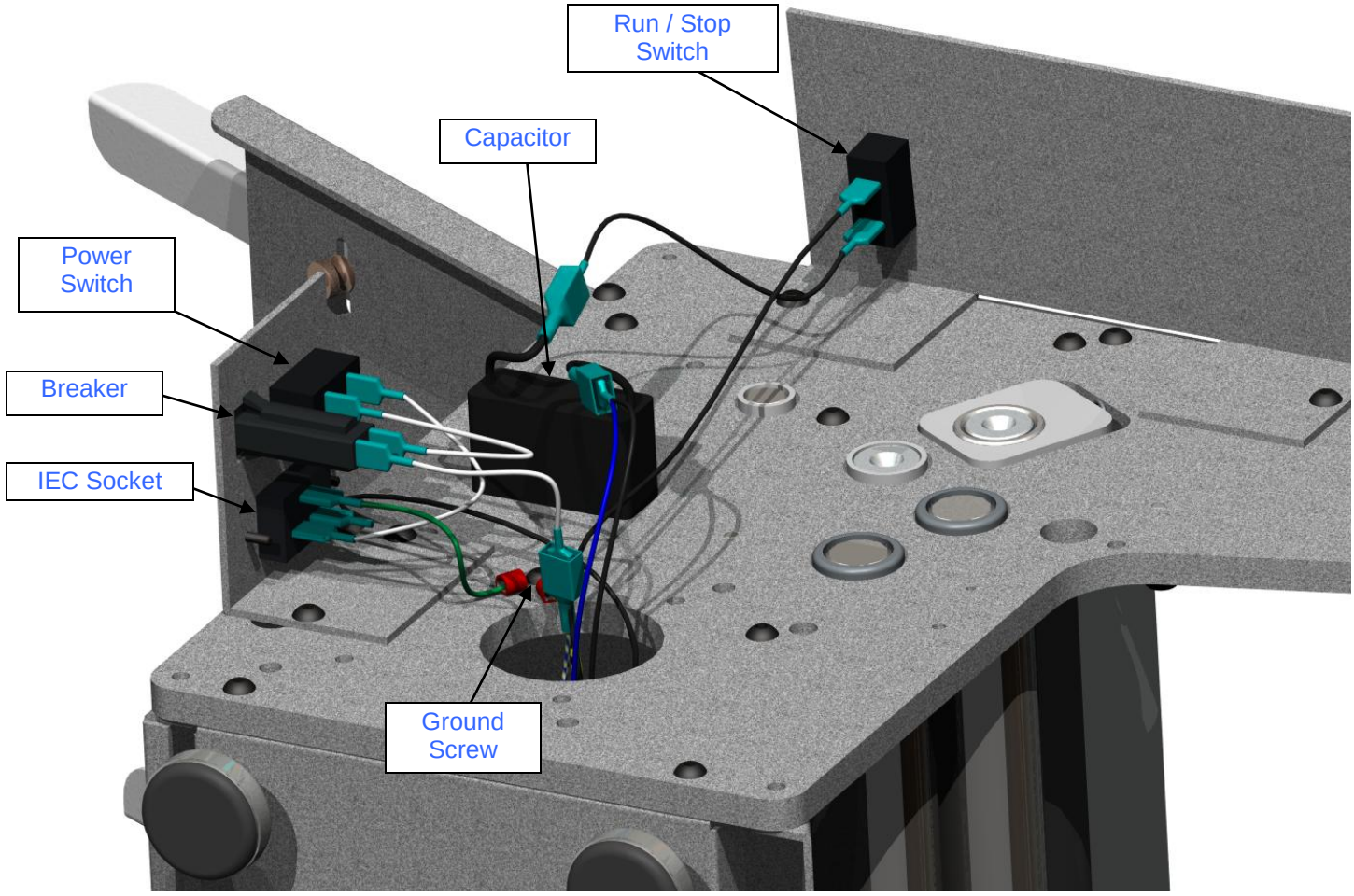


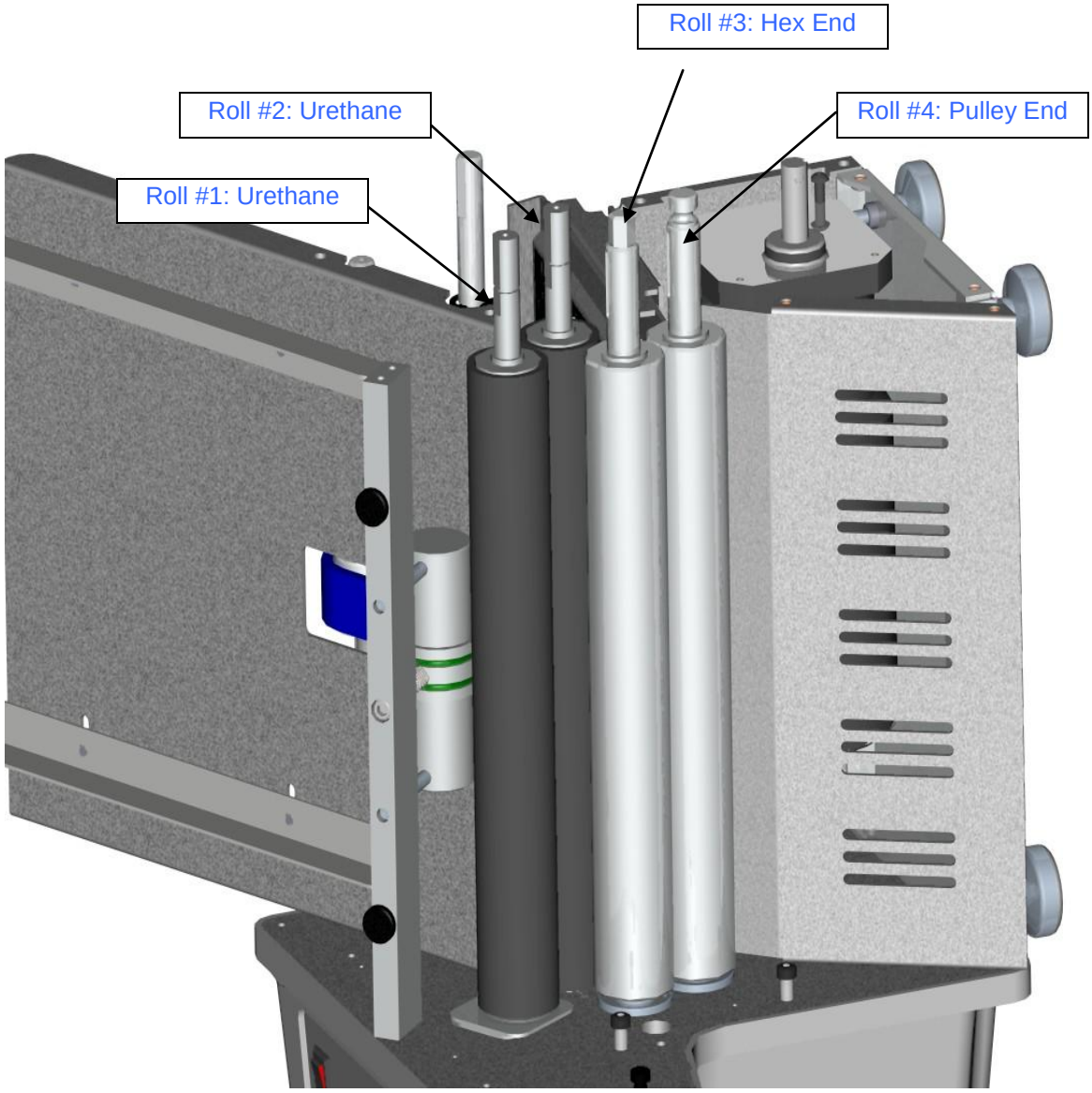
Figure 4: Electrical Side Frame Removal

6. Disconnect both leads from the ***Run / Stop Switch***
7. Disconnect both leads from the ***Capacitor***.
8. Disconnect the ***Breaker*** from the ***Motor***
9. Disconnect the ***Door Switch*** wire from the ***IEC Bracket***
10. Unscrew the ***Ground Screw*** from the side frame
11. Remove the screws which attach the ***Feed Table***, ***Feed Idler***, ***Feed Gauge***, ***Base Cover***, and ***Motor Covers***.
12. Slowly pull up on the ***Electrical Side Frame***. As you pull the frame off of the rolls, reach under and push the ***Slide Block*** up against the ***Electrical Side Frame*** so that it stays with the frame as you remove it.

Servicing the Rolls

1. Remove the ***Motor Side Frame*** [see section above].
2. You will now be able to remove any roll that you need service

Figure 5: Servicing the Rolls



Drive Train

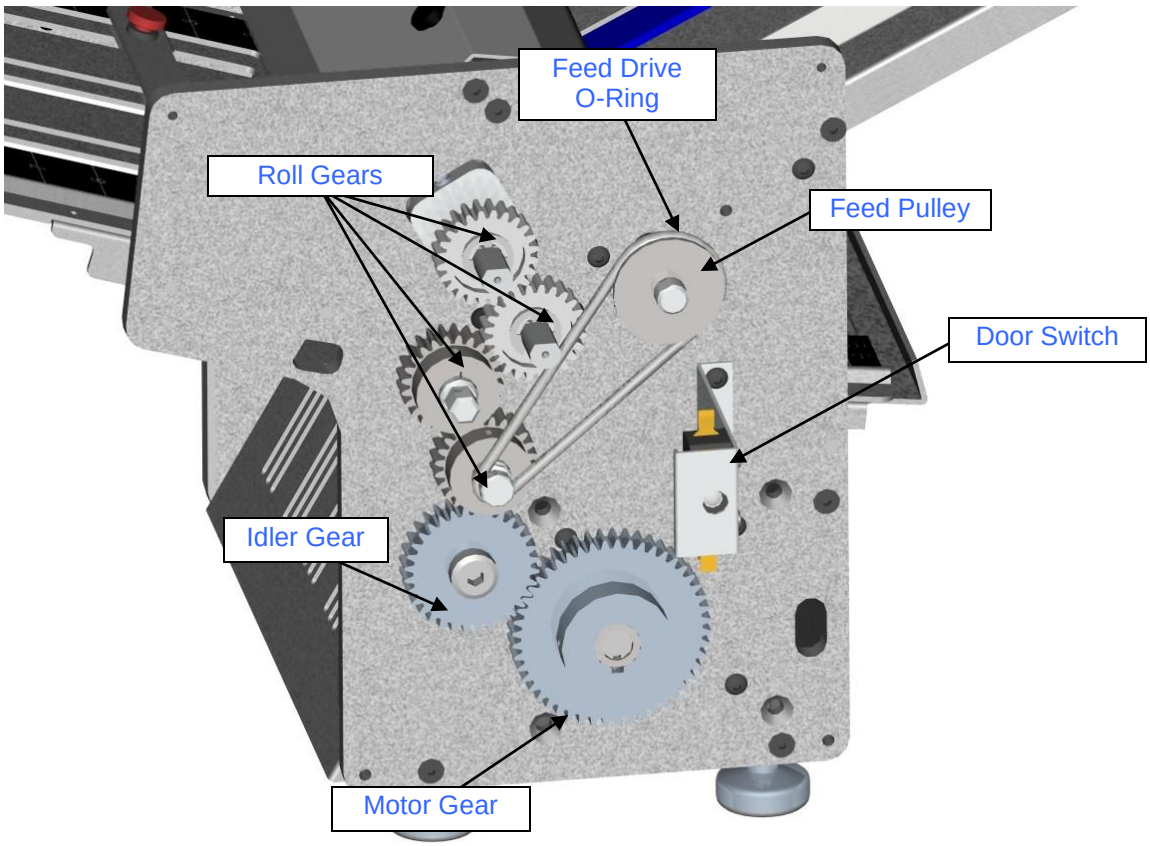


Figure 6: Drive Train

Removing the Drive Train Components

1. Remove the ***Feed Drive O-ring***
2. Remove the ***Roll Gears***
    a. Remove the ½" E-clips from the shafts of the two upper rollers.
    b. Loosen both set screws 2-3 turns.
    c. Pull the gear off of the roll.
    d. Remove the key from the roll.
3. Remove the ***Motor Gear***
    a. Loosen both set screws 2-3 turns.
    b. Pull the gear off of the motor shaft.
    c. Remove the key from the motor shaft.
4. Remove the ***Idler Gear*** by removing the shoulder-bolt on which it is mounted
5. Remove the ***Feed Pulley***
    a. Loosen the set screw 2-3 turns.
    b. Pull the pulley off of the shaft.

Feed Assembly

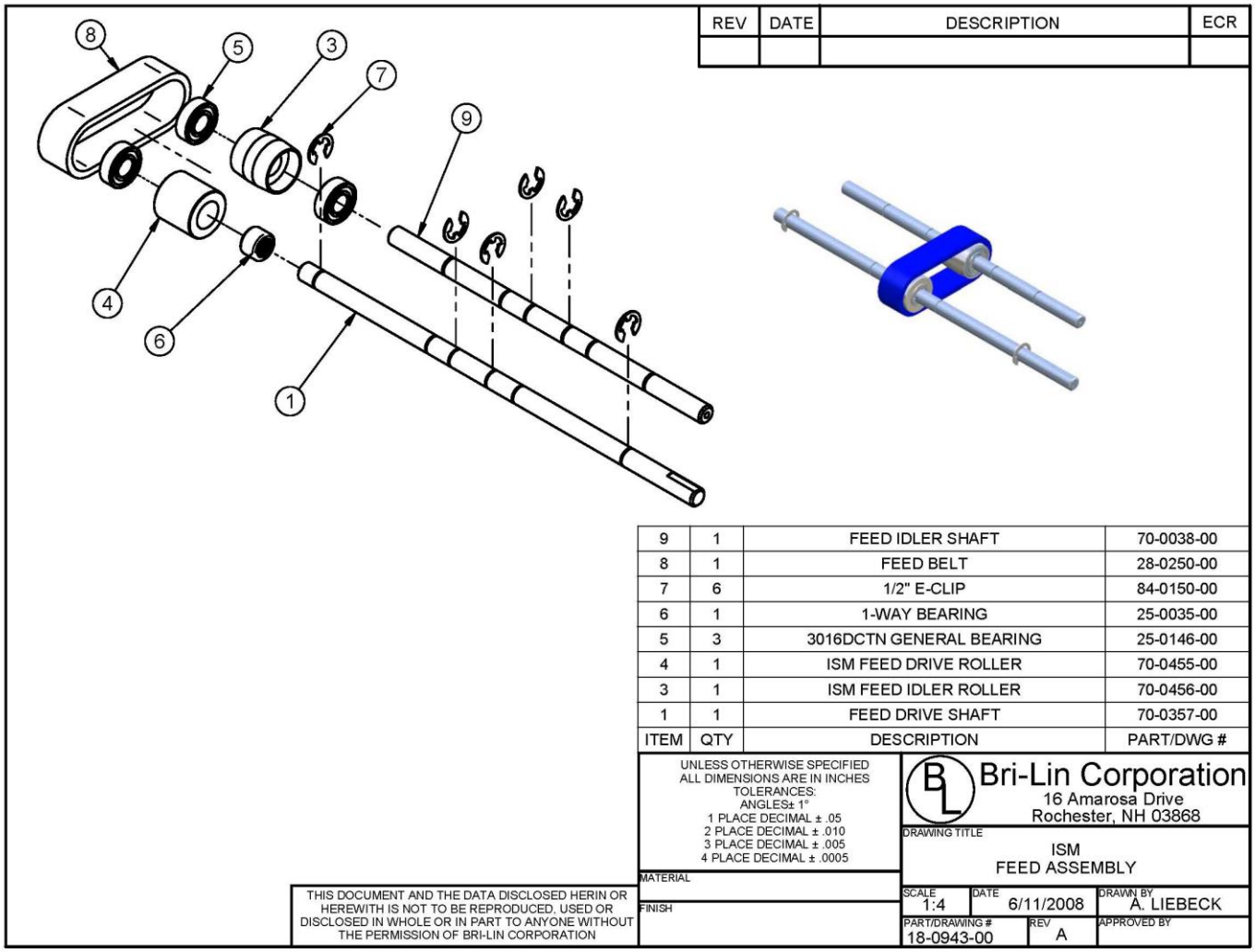


Figure 7: Feed Assembly

Servicing the Feed Drive System

1. Remove the ***Electrical Side Cover***
2. Remove the ***Feed Table Screws*** and the ***Feed Idler Screw*** from the ***Electrical Side***
3. Remove the ***Motor Side Frame*** [see section above].
4. The ***Feed Idler Shaft*** and the ***Feed Drive Shaft*** can now be removed if needed
5. The ***Feed Drive Roller*** and ***Crowned Feed Idler*** can now be removed for service by removing the ***E-Clips***. The ***Feed Drive Roller*** contains a ***1-Way Bearing***, which should always face the ***Electrical Side Frame*** when re-assembled

Replacing the Feed Belt

1. Remove the ***Motor*** and ***Electrica***l side covers.
2. Remove the ***Feed Idler Screws*** from both side frames.
3. Remove all 4 ***E-Clips*** from the ***Feed Drive Shaft.***
4. Remove the ***Feed Drive O-Ring*** from the ***Drive Train***.
5. You may now remove the ***Feed Drive Shaft*** from the main chassis by pulling it out from the gear side. The ***Feed Drive Roller*** will slide off of the shaft as it is removed.
6. Remove the ***Feed Idler Shaft*** from the machine along with the feed belt.
7. Replace the ***Feed Belt***.
8. Re assemble the ***Feed System*** in the reverse order of removal.

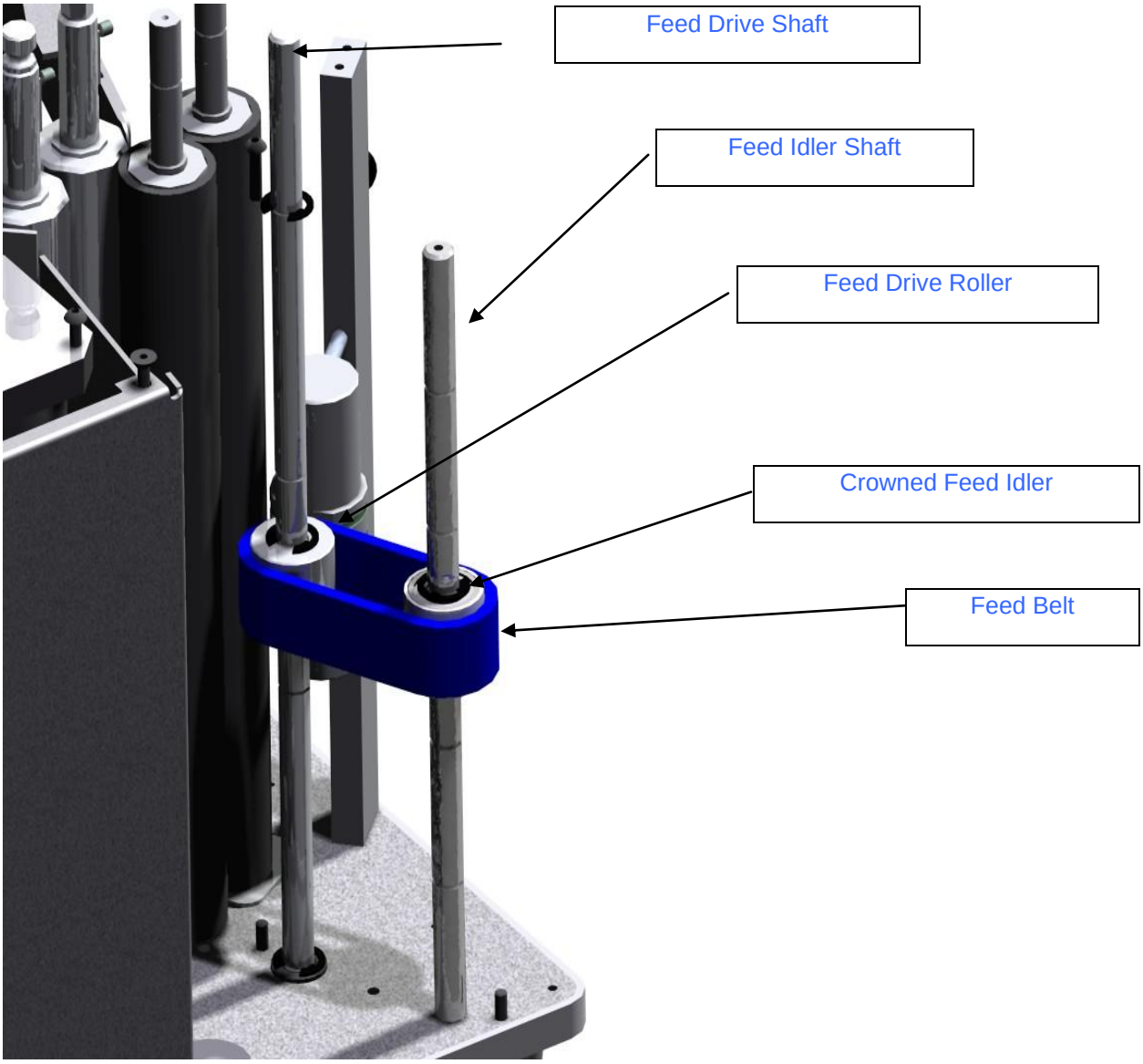


Figure 8: Feed Table Removed

Feed Gauge

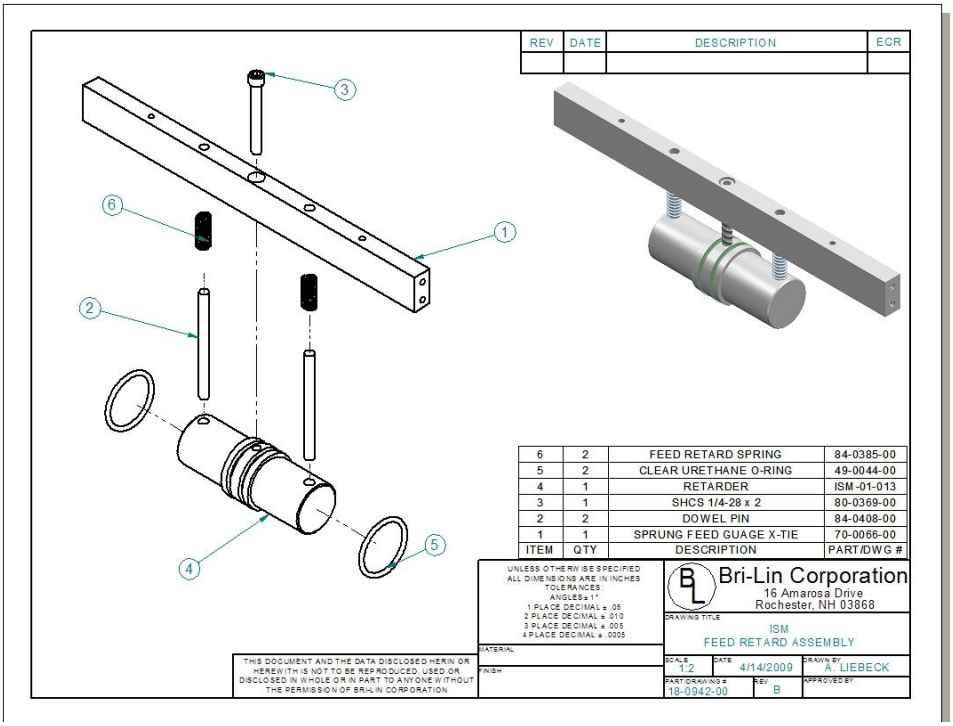


Figure 9: Feed Gauge Assembly

Some Assemblies may have 1 spring in the middle and may be upgraded

Removing the Feed Gauge System

⚠ It is not necessary to remove either ***Side Frame*** to remove the ***Feed Gauge System***.

1. Remove both ***Side Covers***
2. Loosen by 2 turns the ***Feed Table***, ***Feed Idler Screws*** on the ***Motor Side Frame***
3. Remove the ***Idler Gear***
4. Loosen by 2 turns the ***Feed Table***, ***Feed Idler***, and ***Front & Rear Motor Guard Screws*** on the ***Motor Side Frame***
5. Remove the ***Feed Gauge Screws*** from both sides

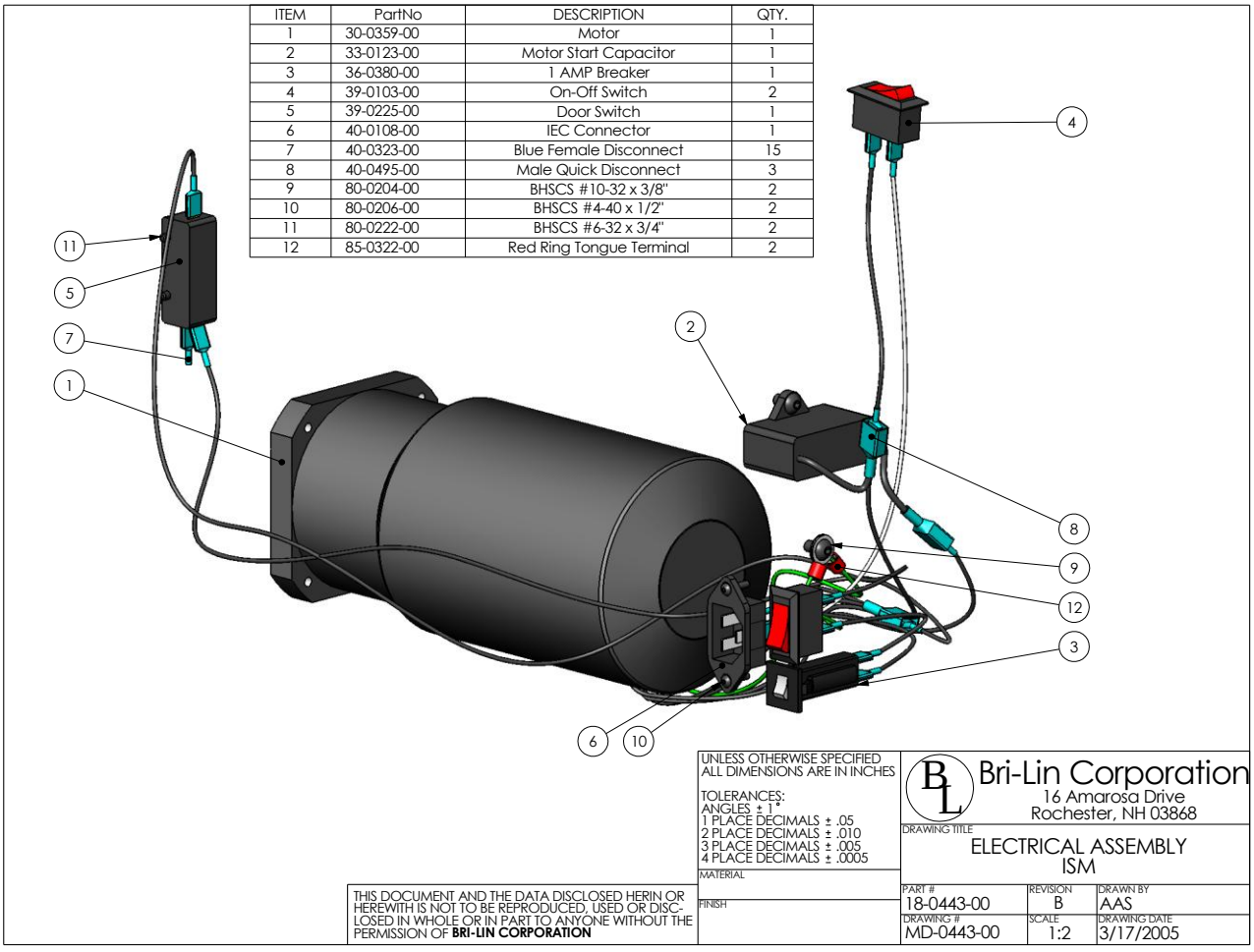
Replacing the Urethane O-Rings

1. Remove both ***Side Covers***
2. Remove the lower ***Feed Gauge Screw*** from both sides of the machine.
3. Rotate the ***Feed Gauge Assembly*** towards the ***Feed Table***.
4. Remove the Feed Adjusting Screw from the assembly.
5. Remove the ***Retarder*** with the pins in place from the ***X-tie.***
6. Remove the ***O-Rings*** from the ***Retarder*** and replace with new ones.
7. Re-assemble in reverse order.
8. Reset the feed tension after re-assembly.

Ensure that the weld seams on the o-rings do not make contact with paper after re-assembly.

Electrical

ITEM	PartNo	DESCRIPTION	QTY.
1	30-0359-00	Motor	1
2	33-0123-00	Motor Start Capacitor	1
3	36-0380-00	1 AMP Breaker	1
4	39-0103-00	On-Off Switch	2
5	39-0225-00	Door Switch	1
6	40-0108-00	IEC Connector	1
7	40-0323-00	Blue Female Disconnect	15
8	40-0495-00	Male Quick Disconnect	3
9	80-0204-00	BHSCS #10-32 x 3/8"	2
10	80-0206-00	BHSCS #4-40 x 1/2"	2
11	80-0222-00	BHSCS #6-32 x 3/4"	2
12	85-0322-00	Red Ring Tongue Terminal	2



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ANGLES ± 1°
1 PLACE DECIMALS ± .05
2 PLACE DECIMALS ± .010
3 PLACE DECIMALS ± .005
4 PLACE DECIMALS ± .0005

MATERIAL

FINISH

Bri-Lin Corporation
16 Amarosa Drive
Rochester, NH 03868

DRAWING TITLE
ELECTRICAL ASSEMBLY
ISM

PART #	REVISION	DRAWN BY
18-0443-00	B	AAS
DRAWING #	SCALE	DRAWING DATE
MD-0443-00	1:2	3/17/2005

Figure 10: Electrical Assembly

⚠ **Warning:** Disconnect ***Power Cord*** from machine before servicing machine.

Replacing the Motor Start Capacitor

⚠ **Warning:** Never allow the leads of the ***Capacitor*** to touch or become bridged! It may contain residual charge which could be hazardous to your safety.

1. Disconnect the ***Capacitor*** from the ***Run / Stop Switch***
2. Disconnect the ***Capacitor*** from the ***Motor***
3. Unscrew the ***Capacitor Mount Screw***
4. Fasten the new ***Capacitor*** to the ***Side Frame***.
5. Connect the new ***Capacitor*** to the ***Run / Stop Switch***
6. Connect the new ***Capacitor*** to the ***Motor***

Replacing the Motor

1. Remove both ***Side Covers***
2. Disconnect the ***Capacitor*** from the ***Motor***
3. Disconnect the ***Breaker*** from the ***Motor***
4. Remove the ***Ground Screw***
5. Remove the***e Rear Motor Cover***, and ***Motor Mounting Screws***.
6. Remove the ***Motor***.
7. Slide the new ***Motor*** in place and mount with ***Motor Mounting Screws.***
8. Slip the ***Motor Ground Wire*** over the ***Ground Screw*** and re-attach it
9. Connect the ***Motor*** to the ***Breaker***
10. Connect the ***Motor*** to the ***Capacitor***
11. Re-attach the ***Side Covers***

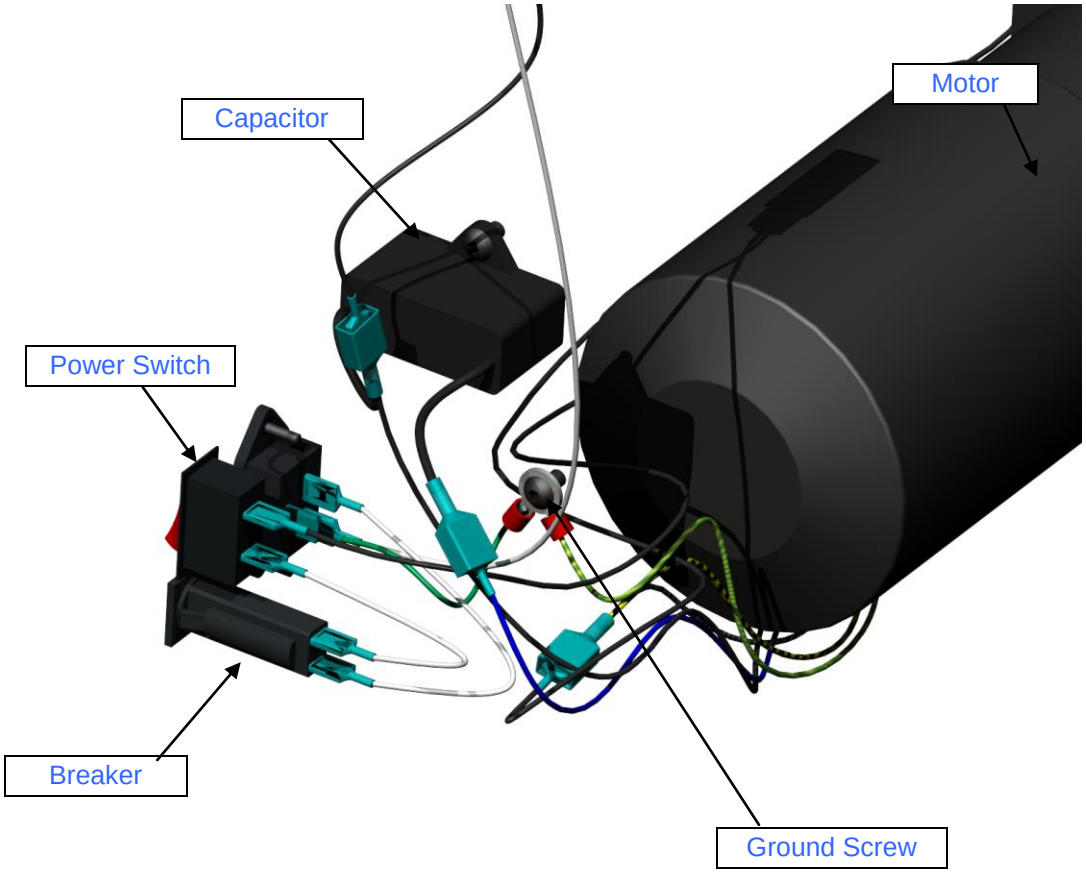
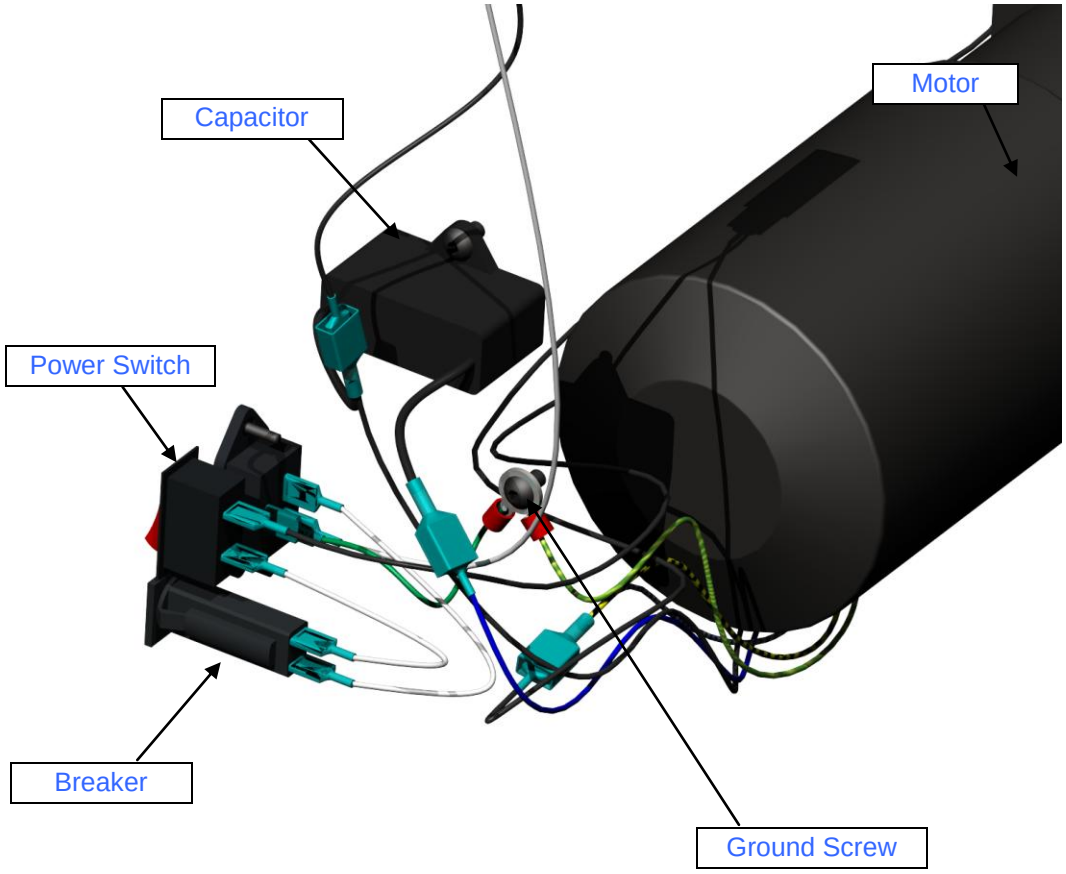


Figure 11: Wiring

Replacing the Breaker

⚠ If the breaker will not reset, then it may need to be replaced.

1. Remove the ***Electrical Side Cover***.
2. Disconnect the two leads from the rear of the ***Breaker***.
3. Depress the two spring arms which hold the ***Breaker*** in the ***IEC Bracket*** to remove the ***Breaker***.
4. Insert the new ***Breaker***.
5. Attach the two leads to the rear of the new ***Breaker***.
6. Re-attach the ***Electrical Side Cover***.



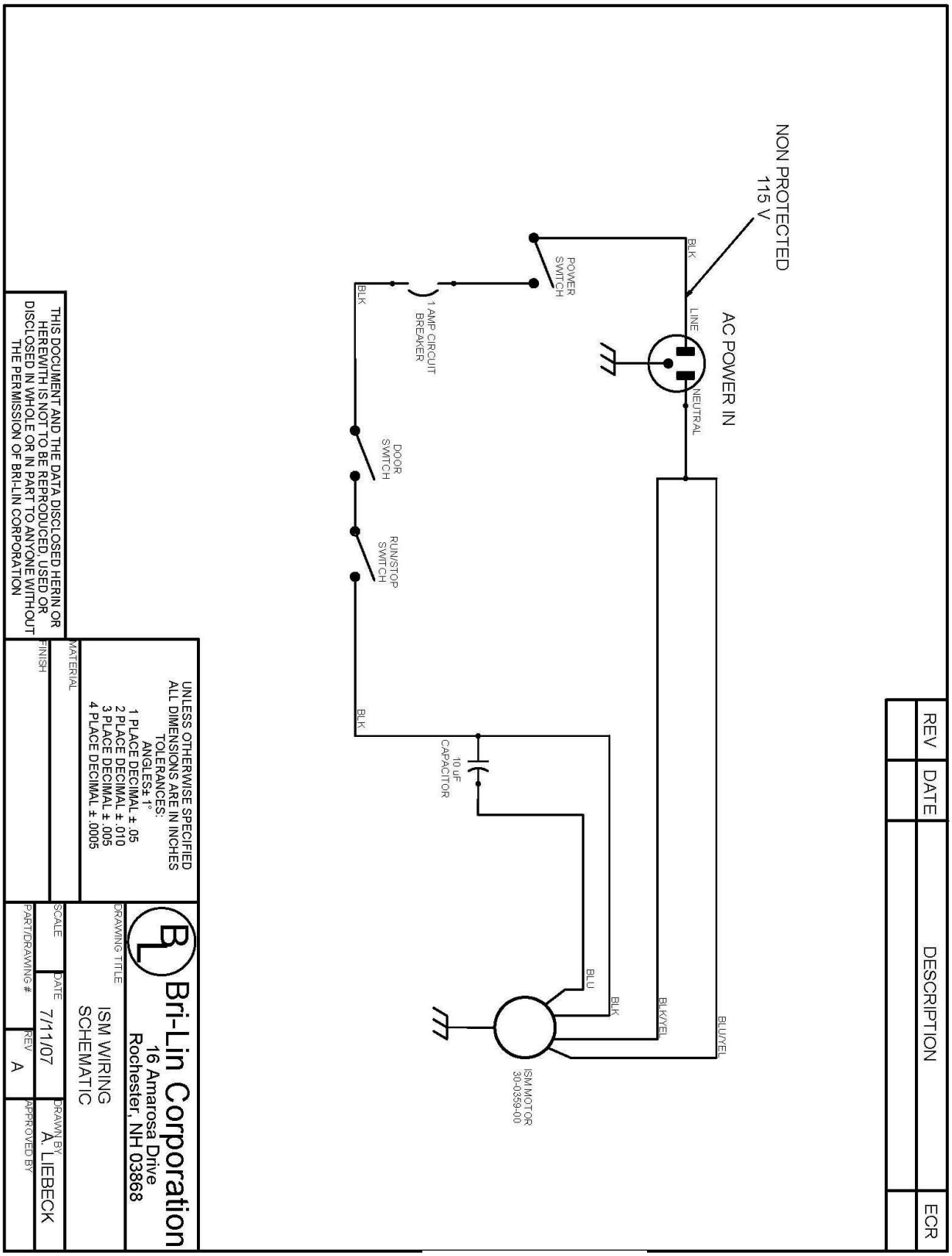


Fig. 13: Schematic

Exploded Views

REV	DATE	DESCRIPTION	ECR

ITEM	QTY	DESCRIPTION	PART/DWG #
8	1	ALUM BLOCK/EXT CONV SPRING	84-0608-00
7	2	BHSCS 10-32 x 3/8	80-0204-00
6	1	FLOATING ROLL BLOCK, BB	70-0777-00
5	1	BUSHING 0.500 ID	25-0052-00
4	2	3016DCTN GENERAL BEARING	25-0146-00
3	2	1623DCTN NICE BEARING	25-1103-00
2	5	SHOULDER SCREW 1/4 x3/8	80-0155-00
1	1	MOTOR SIDE FRAME	70-0978-00D

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4 PLACE DECIMAL ± .0005

MATERIAL

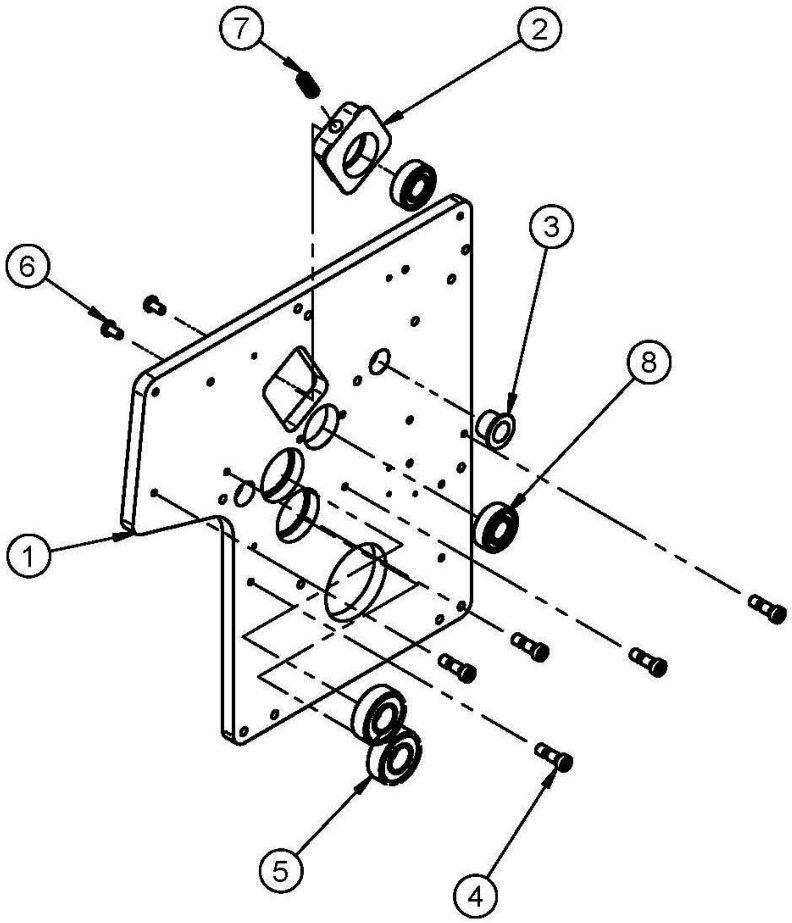
FINISH

Bri-Lin Corporation
16 Amarosa Drive
Rochester, NH 03868

DRAWING TITLE
ISM
MOTOR SIDE FRAME ASSEMBLY

SCALE	DATE	DRAWN BY
1:4	6/13/2008	A. LIEBECK
PART/DRAWING#	REV	APPROVED BY
18-0946-00B	B	

REV	DATE	DESCRIPTION	ECR



ITEM	QTY	DESCRIPTION	PART/DWG #
8	2	3016DCTN GENERAL BEARING	25-0146-00
7	1	ALUM BLOCK/EXT CONV SPRING	84-0608-00
6	2	BHSCS 10-32 x 3/8	80-0204-00
5	2	1623DCTN NICE BEARING	25-1103-00
4	5	SHOULDER SCREW 1/4 x3/8	80-0155-00
3	1	BUSHING 0.500 ID	25-0052-00
2	1	FLOATING ROLL BLOCK, BB	70-0777-00
1	1	ELECTRICAL SIDE FRAME	70-0977-00

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MATERIAL

FINISH

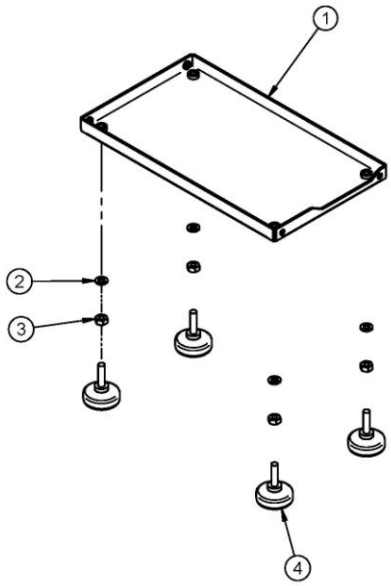
Bri-Lin Corporation
16 Amarosa Drive
Rochester, NH 03868

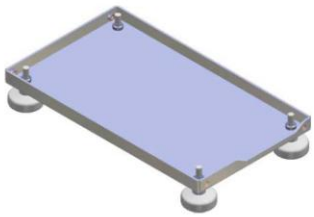
DRAWING TITLE
ISM
ELECTRICAL SIDE FRAME ASSEMBLY

SCALE	DATE	DRAWN BY
1:4	2/3/2009	A. LIEBECK

PART/DRAWING #	REV	APPROVED BY
18-0945-00B	B	

REV	DATE	DESCRIPTION	ECR





ITEM	QTY	DESCRIPTION	PART/DWG #
4	4	HANK GLIDE FEET	84-0317-00
3	4	1/4-20 NUT	81-0262-00
2	4	1/4 SPLIT LOCK WASHER	80-0452-00
1	1	BASE COVER ASSY	70-0441-00G

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4 PLACE DECIMAL ± .0005

MATERIAL

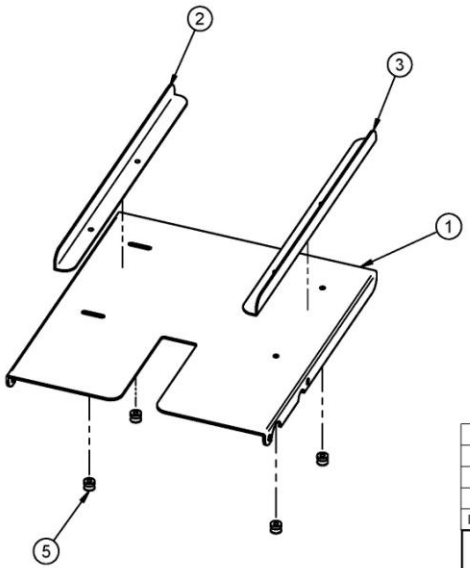
FINISH

Bri-Lin Corporation
16 Amarosa Drive
Rochester, NH 03868

DRAWING TITLE
ISM
BASE PLATE ASSEMBLY

SCALE 1:4 | DATE 6/12/2008 | DRAWN BY A. LIEBECK
PART/DRAWING # 18-0944-00 | REV A | APPROVED BY

REV	DATE	DESCRIPTION	ECR



ITEM	QTY	DESCRIPTION	PART/DWG #
5	4	BRASS THUMB NUT 8-32	81-0162-00
3	1	PAPER GUIDE, RIGHT	70-0368-01
2	1	PAPER GUIDE, LEFT	70-0368-00
1	1	FEED TABLE	70-0356-00

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MATERIAL

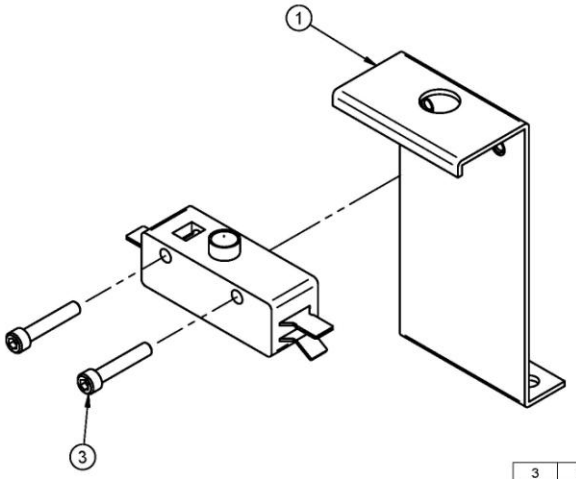
FINISH

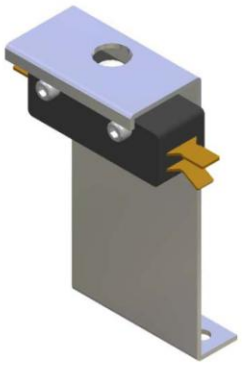
Bri-Lin Corporation
16 Amarosa Drive
Rochester, NH 03868

DRAWING TITLE
ISM
FEED TABLE ASSEMBLY

SCALE 1:4 | DATE 8/27/2008 | DRAWN BY A. LIEBECK
PART/DRAWING # 18-0947-00 | REV A | APPROVED BY

REV	DATE	DESCRIPTION	ECR





ITEM	QTY	DESCRIPTION	PART/DWG #
3	2	BHSCS 6-32 x 3/4	80-0222-00
2*	1	DOOR SAFETY SWITCH	39-0225-00
1	1	DOOR SAFETY BRACKET	70-0539-00A

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MATERIAL

FINISH

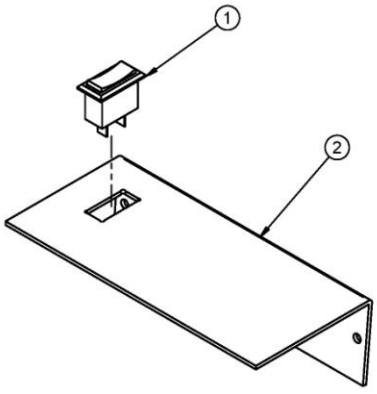
Bri-Lin Corporation
16 Amarosa Drive
Rochester, NH 03868

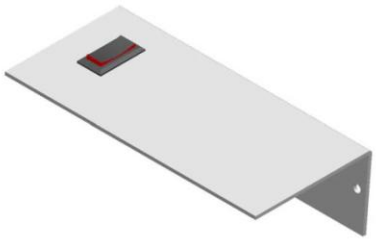
DRAWING TITLE
ISM
DOOR SWITCH ASSEMBLY

SCALE	DATE	DRAWN BY
1:1	8/27/2008	A. LIEBECK

PART/DRAWING #	REV	APPROVED BY
18-0917-00	A	

REV	DATE	DESCRIPTION	ECR





ITEM	QTY	DESCRIPTION	PART/DWG #
2	1	CONTROL PANEL	70-0417-00
1	1	ON/OFF SWITCH SPST	39-0103-00

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
ANGLES± 1°
1 PLACE DECIMAL ± .05
2 PLACE DECIMAL ± .010
3 PLACE DECIMAL ± .005
4 PLACE DECIMAL ± .0005

MATERIAL

FINISH

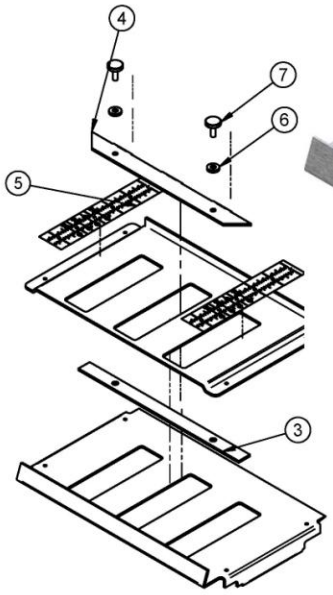
Bri-Lin Corporation
16 Amarosa Drive
Rochester, NH 03868

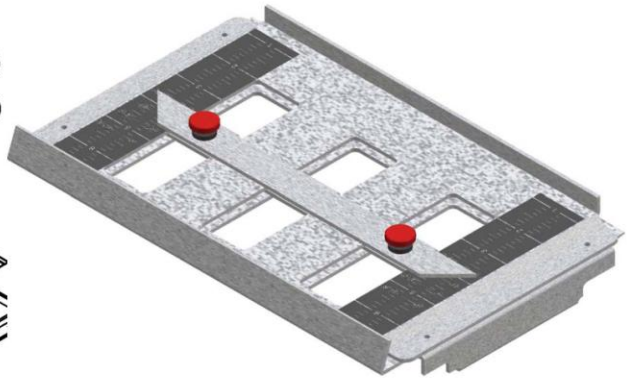
DRAWING TITLE
ISM
CONTROL PANEL ASSEMBLY

SCALE	DATE	DRAWN BY
1:2	6/12/2008	A. LIEBECK

PART/DRAWING #	REV	APPROVED BY
18-0938-00	A	

REV	DATE	DESCRIPTION	ECR





ITEM	QTY	DESCRIPTION	PART/DWG #
7	2	RED THUMB SCREW #10-32 x 0.50	84-0065-00
6	2	FLAT WASHER 3/16	82-0157-00
5	2	LOWER FP SCALE	95-0158-00
4	1	FOLD PLATE STOP TOP	70-0212-00
3	1	FOLD PLATE STOP BOTTOM	70-0213-00
2*	1	LOWER FOLD PLATE TOP	70-0260-00
1*	1	LOWER FOLD PLATE BOTTOM	70-0261-00

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
ANGLES± 1°
1 PLACE DECIMAL ± .05
2 PLACE DECIMAL ± .010
3 PLACE DECIMAL ± .005
4 PLACE DECIMAL ± .0005

MATERIAL

FINISH

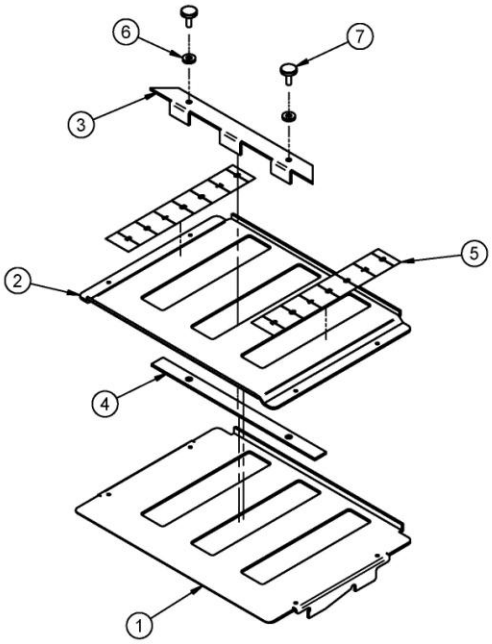
Bri-Lin Corporation
16 Amarosa Drive
Rochester, NH 03868

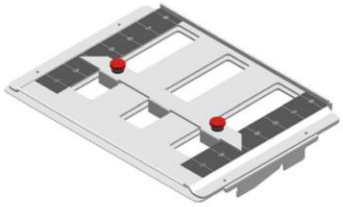
DRAWING TITLE
LMQ
LOWER FOLD PLATE ASSY

SCALE	DATE	DRAWN BY
1:4	8/26/2008	A. LIEBECK

PART/DRAWING #	REV	APPROVED BY
18-0017-00	B	

REV	DATE	DESCRIPTION	ECR





ITEM	QTY	DESCRIPTION	PART/DWG #
7	2	RED THUMB SCREW #10-32 x 0.50	84-0065-00
6	2	FLAT WASHER 3/16	82-0157-00
5	2	UPPER FOLD PLATE LABEL	95-0154-00
4	1	FOLD PLATE STOP BOTTOM	70-0213-00
3	1	FOLD PLATE STOP TOP	70-0212-00
2	1	UPPER FOLD PLATE TOP	70-0424-00
1	1	UPPER FOLD PLATE TOP	70-0423-00

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
ANGLES± 1°
1 PLACE DECIMAL ± .05
2 PLACE DECIMAL ± .010
3 PLACE DECIMAL ± .005
4 PLACE DECIMAL ± .0005

MATERIAL

FINISH

Bri-Lin Corporation
16 Amarosa Drive
Rochester, NH 03868

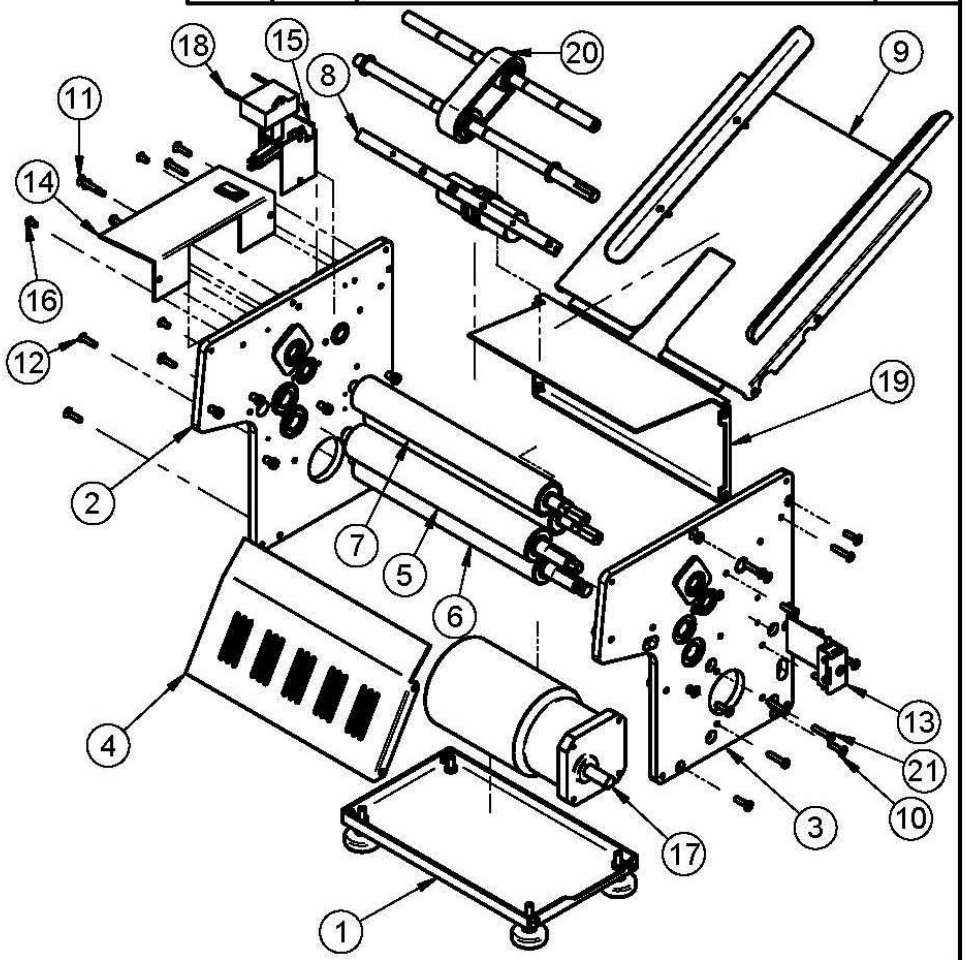
DRAWING TITLE
ISM
UPPER FOLD PLATE ASSEMBLY

SCALE	DATE	DRAWN BY
1:4	8/26/2008	A. LIEBECK

PART/DRAWING #	REV	APPROVED BY
18-0426-00	A	

ITEM	QTY	DESCRIPTION	PART/DWG #
21	6	BHSCS #10-32 x 1	80-0214-00
20	1	FEED ASSEMBLY	18-0943-00
19	1	REAR MOTOR COVER	70-0247-00G
18	1	MOTOR START CAPACITOR, ISM	33-0859-00
17	1	BODINE MOTOR 0454	30-0359-00
16	6	BHSCS #10-32 x 0.375	80-0204-00
15	1	IEC BRACKET ASSEMBLY	18-0937-00
14	1	CONTROL PANEL ASSEMBLY	18-0938-00
13	1	DOOR SWITCH ASSEMBLY	18-0917-00
12	3	BHSCS #10-32 x 0.750	80-0148-00
11	4	FHSCS 10-32 x 1	80-0156-00
10	9	FHSCS 10-32 x 0.750	80-0152-00
9	1	FEED TABLE ASSEMBLY	18-0947-00
8	1	FEED RETARD ASSEMBLY	18-0942-00B
7	2	LMQ URETHANE FLOATING ROLL	70-0232-00
6	1	ROLL #2, CONVEYOR DRIVE	70-0233-00
5	1	HEX END ROLL	70-0234-00
4	1	FRONT MOTOR COVER	70-0246-00I
3	1	MOTOR SIDE FRAME ASSEMBLY	18-0946-00B
2	1	ELEC. SIDE FRAME ASSEMBLY	18-0945-00B
1	1	BASE PLATE ASSEMBLY	18-0944-00

REV	DATE	DESCRIPTION	ECR



UNLESS OTHERWISE SPECIFIED
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TOLERANCES:
ANGLES± 1°
1 PLACE DECIMAL ± .05
2 PLACE DECIMAL ± .010
3 PLACE DECIMAL ± .005
4 PLACE DECIMAL ± .0005

MATERIAL

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Bri-Lin Corporation
16 Amarosa Drive
Rochester, NH 03868

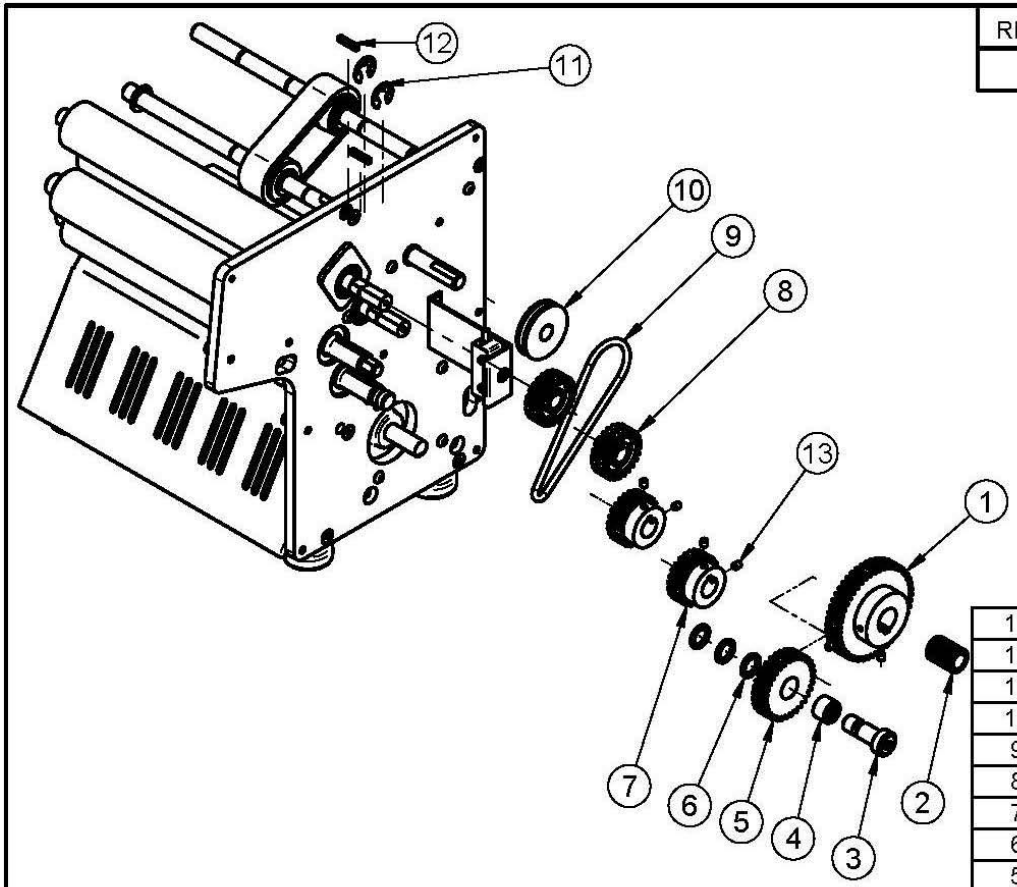
DRAWING TITLE

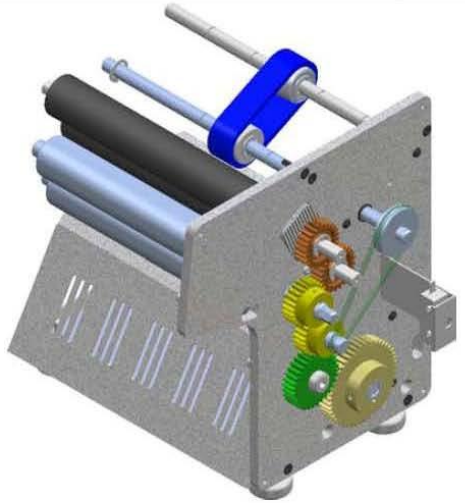
ISM MAIN CHASSIS

SCALE	DATE	DRAWN BY
	6/18/2008	A. LIEBECK

PART/DRAWING #	REV	APPROVED BY
18-0440-00B	B	

REV	DATE	DESCRIPTION	ECR





ITEM	QTY	DESCRIPTION	PART/DWG #
13	7	10-32 x 1/4 SET SCREW	80-0188-00
12	3	1/8 SQ. x1 KEY STOCK	84-0042-00
11	2	1/2" E-CLIP	84-0150-00
10	1	ISM-LMQ FEED PULLEY	70-0273-00
9	1	FEED DRIVE O-RING	28-0862-00
8	2	FLOATING ROLL GEAR	26-0818-00
7	2	ISM / LMQ / LMQII ROLL GEAR	26-0248-00
6	3	NYLON WASHER	82-0776-00
5	1	ISM / LMQ / LMQII IDLER GEAR	26-0026-00
4	1	B88 NEEDLE BEARING	25-0449-00
3	1	SHOULDER SCREW,1/2 x 3/4	80-0169-00
2	1	DRIVE GEAR BUSHING	ISM-01-012
1	1	LMQ / LMQII MOTOR GEAR	26-0040-00

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
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3 PLACE DECIMAL ± .005
4 PLACE DECIMAL ± .0005

MATERIAL

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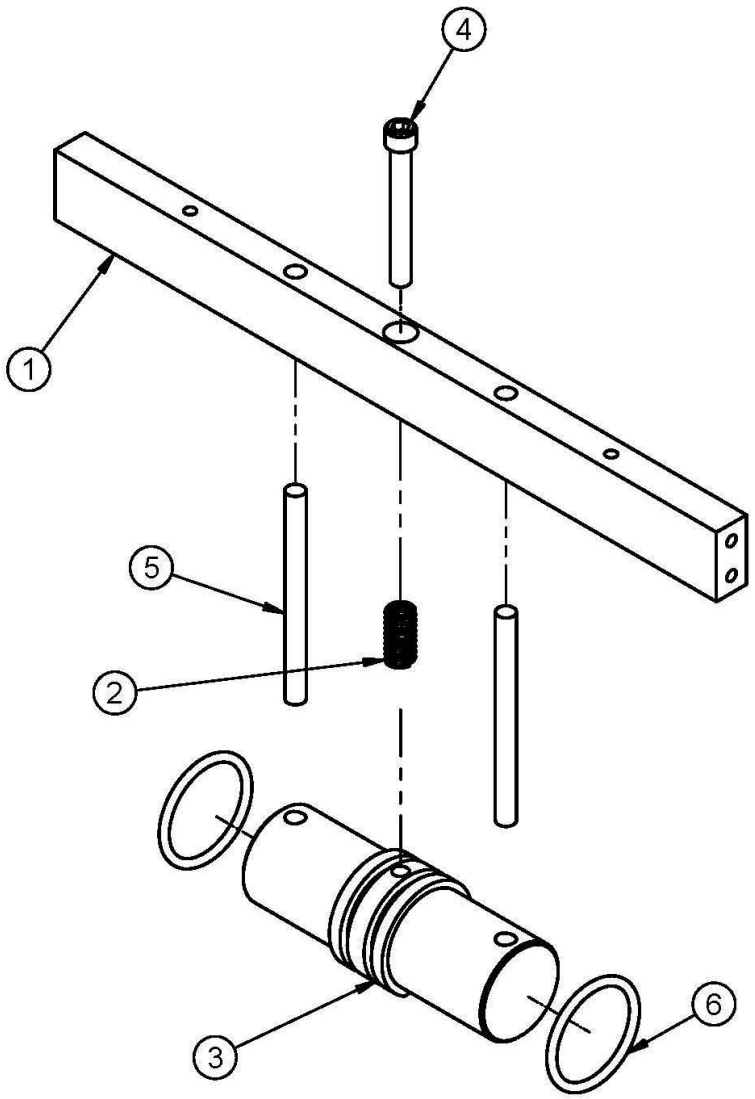
Bri-Lin Corporation
16 Amarosa Drive
Rochester, NH 03868

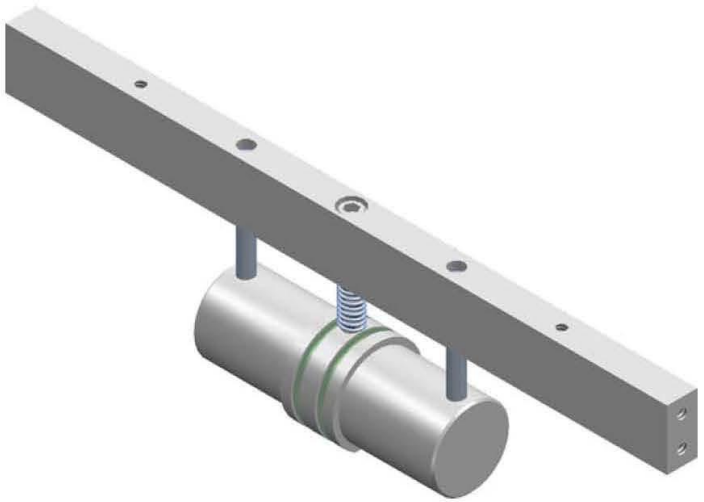
DRAWING TITLE
ISM
GEAR TRAIN ASSEMBLY

SCALE	DATE	DRAWN BY
1:5	6/11/2008	A. LIEBECK

PART/DRAWING #	REV	APPROVED BY

REV	DATE	DESCRIPTION	ECR
B	5/16/08	CHANGED SPRING AND SCREW	





ITEM	QTY	DESCRIPTION	PART/DWG #
6	2	CLEAR URETHANE O-RING	49-0044-00
5	2	DOWEL PIN	84-0408-00
4	1	SHCS 1/4-28 x 2	80-0369-00
3	1	RETARDER	ISM-01-013
2	1	FEED RETARD SPRING	84-0385-00
1	1	SPRUNG FEED GUAGE X-TIE	70-0066-00

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ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
ANGLES± 1°
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2 PLACE DECIMAL ± .010
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4 PLACE DECIMAL ± .0005

MATERIAL

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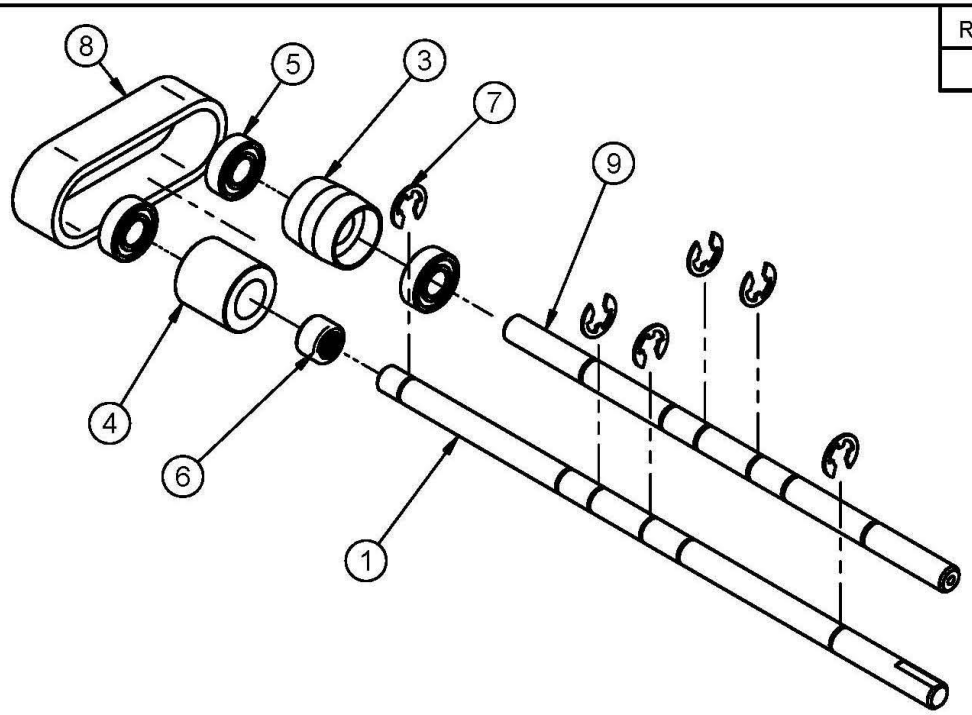
Rochester, NH 03868

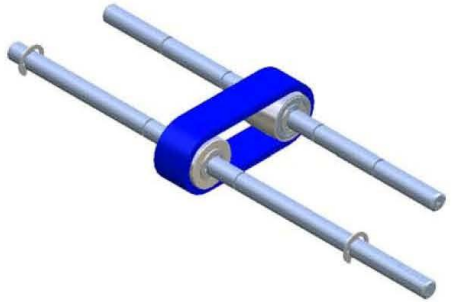
DRAWING TITLE
ISM
FEED RETARD ASSEMBLY

SCALE	DATE	DRAWN BY
1:2	6/2/2008	A. LIEBECK

PART/DRAWING #	REV	APPROVED BY
18-0942-00	B	

REV	DATE	DESCRIPTION	ECR





ITEM	QTY	DESCRIPTION	PART/DWG #
9	1	FEED IDLER SHAFT	70-0038-00
8	1	FEED BELT	28-0250-00
7	6	1/2" E-CLIP	84-0150-00
6	1	1-WAY BEARING	25-0035-00
5	3	3016DCTN GENERAL BEARING	25-0146-00
4	1	ISM FEED DRIVE ROLLER	70-0455-00
3	1	ISM FEED IDLER ROLLER	70-0456-00
1	1	FEED DRIVE SHAFT	70-0357-00

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4 PLACE DECIMAL ± .0005

MATERIAL

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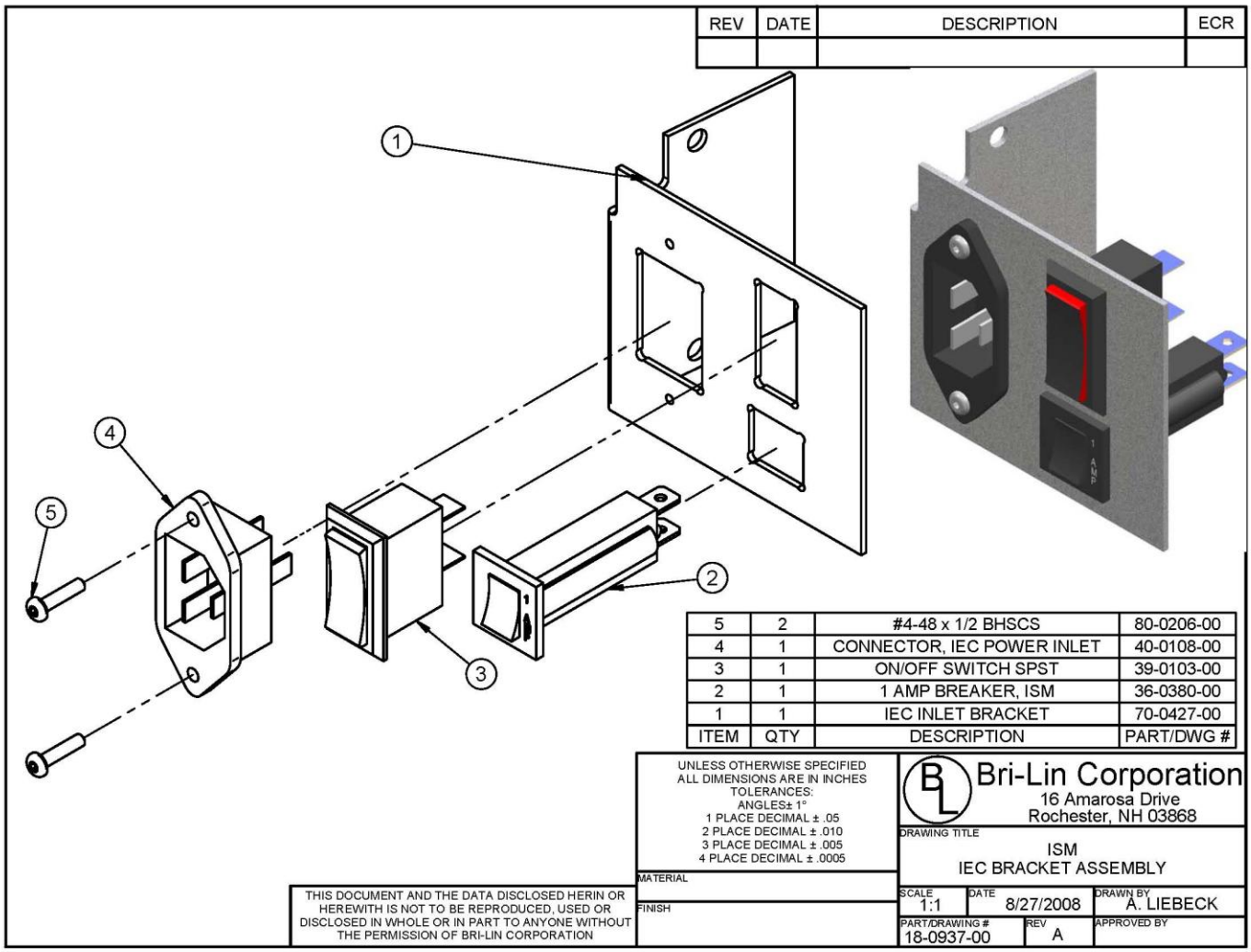
Bri-Lin Corporation
16 Amarosa Drive
Rochester, NH 03868

DRAWING TITLE
ISM
FEED ASSEMBLY

SCALE	DATE	DRAWN BY
1:4	6/11/2008	A. LIEBECK

PART/DRAWING #	REV	APPROVED BY
18-0943-00	A	



NOTES:

1) Feed Gauge Assembly 18-0942-00 has been upgraded to use 2 springs. (See page 9)
2) Bushing 70-0084-00 have been replaced by 70-0777-00, Slide Block, Aluminum, and 25-0146-00, Bearing

Phone (207) 899-1714
Fax (207) 228-1890
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