

AZTECH

AZTECH CONVERTING SYSTEMS

BIRR-30XX USER MANUAL

TABLE OF CONTENTS

SECTION 1: GENERAL INFORMATION	1-4
SECTION 2: MACHINE INSTALLATION	4-5
SECTION 3: MACHINE SETUP	6-11
SECTION 4: MACHINE OPERATION	12-22
SECTION 5: MAINTENANCE	23
SECTION 6: SATION DETAIL	24-35
SECTION 7: TROUBLESHOOTING	36
SECTION 8: WARRANTIES AND SERVICE	37

BIRR-40XX USER MANUAL

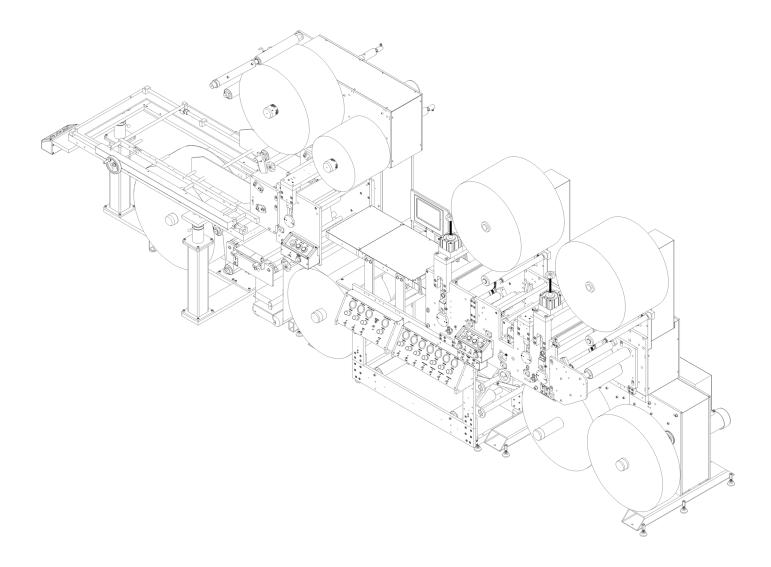


Section 1: General Information

1-1: Introduction

The AZTECH web handling unit is available in 13 inch (33.02 cm), 15 inch (38.1cm), 18 inch (45.72 cm) and 20 inch (50.8cm) widths, with dual-spindle rewinds, and web speeds up to 500 feet/minute. The unit is designed to be highly productive, versatile, and simple to operate and maintain. Before operating your new unit, fully read and understand all facets of this manual. Following the Procedures outlined in this manual will help assure maximum performance. Keeping your machine properly set-up and maintained will assure years of productive and satisfactory service.

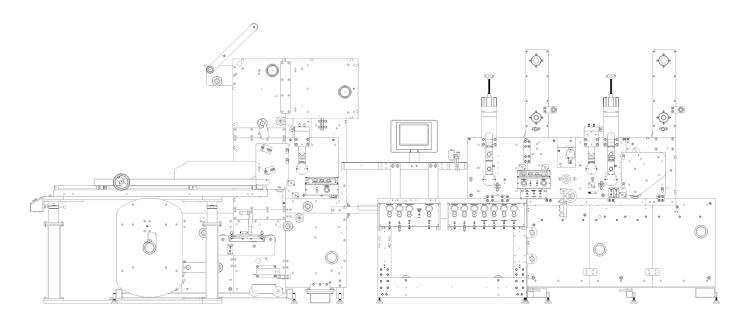
1-2: Machine Information and Specifications



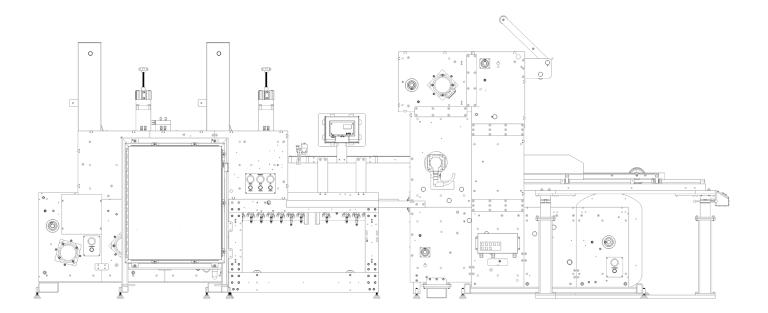


BIRR-40XX USER MANUAL

FRONT LAYOUT



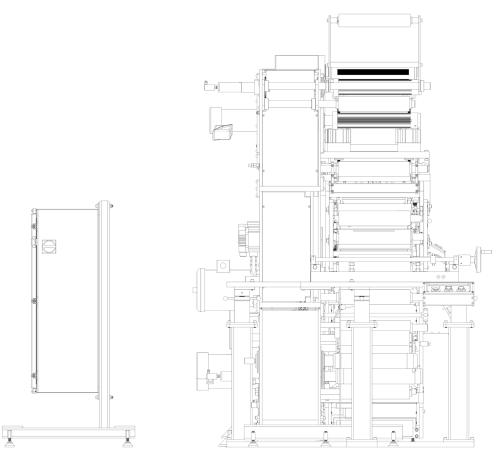
REAR LAYOUT



USER MANUAL



SIDE LAYOUT



Web Width: 13.0in (33cm)

Unwind Capacity: 40in (101.6cm)

Rewind Capacity: 16in (40.6cm) dual RW

24in (60.9cm) single RW

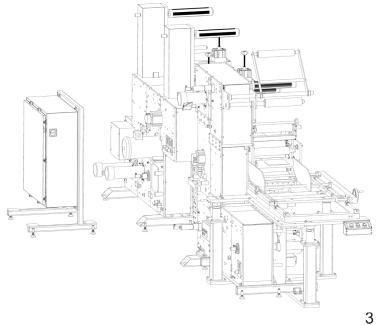
Web Speed: 500FPM (Job Dependant)

Main Drive: 5 HP DC Rewind Drive: 2 HP DC

Die Nip: Yaskawa 1.3kW Servo x2

Power Requirements: 80A 220VAC 60Hz

90PSI @ 0.9CFM



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AZTECH CONVERTING SYSTEMS

BIRR-40XX USER MANUAL

1-3: Care and Maintenance

To assure maximum performance and longevity of your machine, it is very important to perform periodic maintenance. Read Chapter 5 for more information.

1-4: Safety

The unit is designed to operate at high rates of speed, employing rollers, gears, pulleys, and other moving parts. Where possible, guards are provided to protect operator from injury. Operators must keep their hands clear of the machine when it is in operation. Making all operators aware of potential safety hazards will help minimize any chances of operator injury.

Section 2: Machine Installation

2-1: Preparation

It is important that your machine be situated on solid and level ground. Make sure that site allows for access to machine from all 4 sides. If the machine is placed on unstable or un-level ground, it may tip over risking damage or serious personal injury.

2-2: Un-crating Machine

To avoid damage to your new machine, begin by unfastening the latches on the front panel and removing the panel to expose the machine. Carefully remove all boxes from inside the crate and set aside to avoid damage. Remove all 4 lag bolts which hold the machine to the base.

2-3: Removal and Positioning

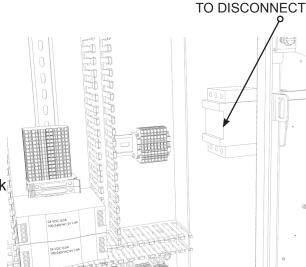
It is critical that the machine be removed from the crate using a fork lift, making sure that the forks fit directly inside the 2 slots at base of the machine. Lift and remove from crate, and if equipped with adjustable feet, thread all 4 feet into threaded holes at machine's base, and lower into desired position. Machine may be leveled by turning adjustable feet until level.

60A 220VAC

2-4: Electrical and Pneumatic Connections

ELECTRICAL CONNECTIONS: Your machine uses a power supply of 220 volts, 80 amps 3Φ AC. Improper connections or mishandling may cause serious personal injury. AZTECH highly recommends that electrical service be performed only by a qualified electrician.

Electrical connection to the machine is performed by bringing electrical service to the electrical box at the back of the machine and making connections as shown.

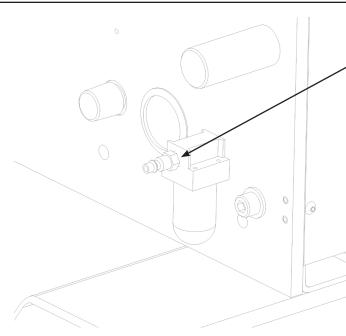


THREE PHASE

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90PSI NCOMING HP AIR





PNEUMATIC CONNECTIONS: Although your machine has been thoroughly tested before shipment, connections on occasion may loosen during shipment. Visually inspect all pneumatic to assure that each is fitted securely. Connect airline to the pneumatic control panel at the back of the machine (see figure 2-B), and listen for any air leaks that may exist. Check all switches by switching back and forth from on and off to make sure they are operating properly.

NOTE: Red lines on air dials indicate proper default settings.

2-5: Testing Before Operation

Make sure the area around your machine is clear of any objects which may impair the machine. Also inspect and make sure all belts, pulleys, rollers, and spindles are free and clear of any objects which may impede operation, and risk machine damage. Before threading your machine, accelerate and decelerate your machine through a full range of speeds, and make sure acceleration is smooth and free of any unnatural sounds or movements. Using control switches, switch Unwind and Rewind Spindle(s) from on and off positions making sure the pneumatic system is performing properly. Then turn power on, run machine at low speed to assure machine is working properly. Then with speed set at maximum setting, press the stop button to assure that the brake is working properly.



BIRR-40XX USER MANUAL

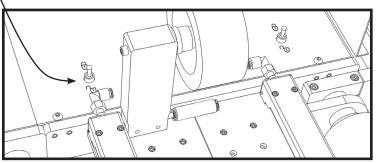
Section 3: Machine Setup

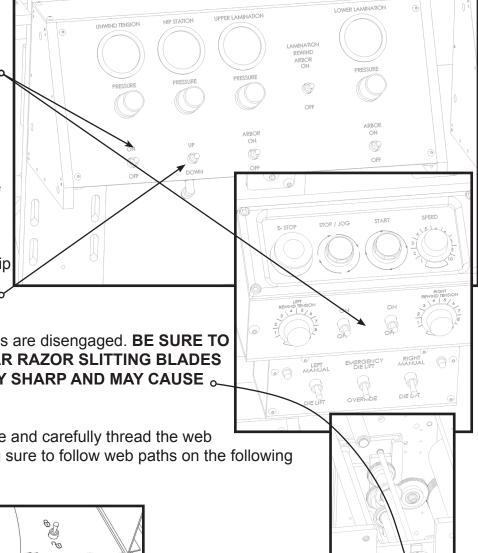
3-1: Webbing the Machine

Proper webbing of your machine is vital to optimal machine performance. The proper way to thread your machine for various substrates is shown on the following page. Any improper webbing of the machine may cause tension problems that will impede operation.

To web the machine:

- 1. Turn unwind arbor switch to "DEFLATE" position.
- 2. Assure that the rewind and unwind switches on main panel are in the "OFF" position
- 3. Assure that both splice-table clamps are released into the up position.
- 4. Assure that the pneumatic nip roll is disengaged in the up position.
- 5. Assure that the slitting blades are disengaged. **BE SURE TO USE CAUTION WHEN NEAR RAZOR SLITTING BLADES** AS THEY ARE EXTREMELY SHARP AND MAY CAUSE \sim **SERIOUS INJURY.**
- 6. Load roll onto unwind spindle and carefully thread the web through the machine making sure to follow web paths on the following page.





BIRR-40XX USER MANUAL



- SERVO NIP ROLLS

■ IMPRESSION ROLLS MAGNETIC DIE ROLLS MINUMUM WEB PATH

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chine for various substrates are shown. Any improper webbing of the machine may cause tension problems that will impede operation. Proper webbing of your machine is vital to optimal machine performance. The proper ways to thread your ma-

7

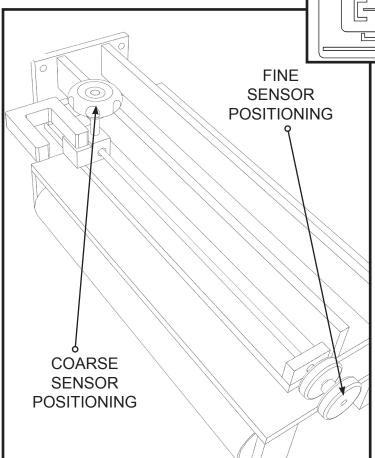
BIRR 40XX w/ UDB Web Path



BIRR-40XX USER MANUAL

3-2: Web Guide Setup

The web guide is located in the center of the machine between the unwind and rewind stations. After webbing the machine, set the web by doing the following:



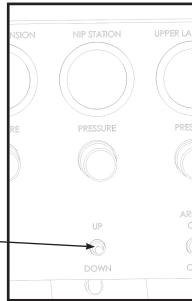
AUTOMATIC SERVO-CENTER MANUAL IN OUT e, EDGE A EDGE B LINE ACCUMANTIC MANUAL IN OUT ACCUMANTI

Setting the Web Guide:

- 1. Press the "SERVO-CENTER" button on the front of the web guide.
- 2. Align the sensor with the inside edge of the web. For fine alignment adjustment, turn knob on outside of web guide.
- 3. Jog the machine briefly to assure that the web is moving smoothly.
- 4. Press the "AUTOMATIC" button which will engage the sensor and allow the web guide to adjust itself to the movement of the web.
- For more specific instructions about the features of the web guide, refer to the Accu-Web manual included with this manual.

3-3: Nip Roll Operation

The Nip Roll is pneumatically controlled using control switch and must be in the up position while machine is running, and in the down position when threading machine.

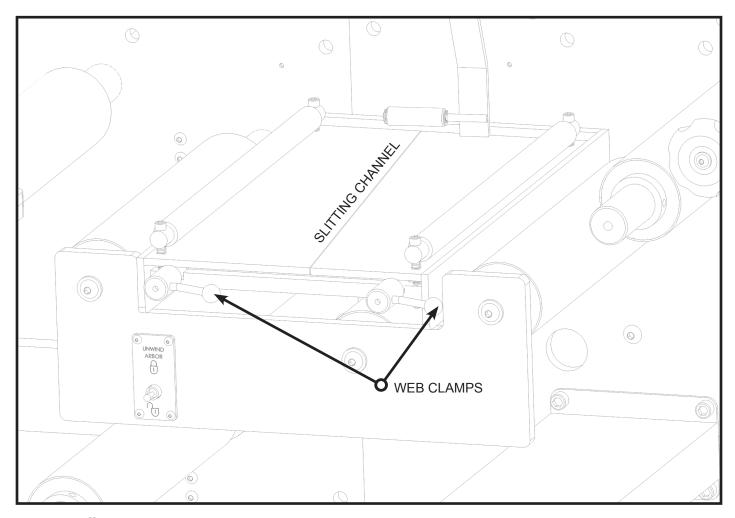


BIRR-40XX USER MANUAL



3-4: Splice Table Operation

The splice table on your machine is located just down-web of the Unwind Station. To operate the Splice Table, simply follow the following steps:



- 1. Turn off machine and engage both web clamps.
- 2. Using a razor blade, carefully cut the web along the slicing channel. Disengage the clamp nearest the unwind station. Be sure to leave the other clamp engaged.
- 3. After waste has been removed, pull through new web, carefully align with web, and lower the handle to hold.
- 4. Again using a razor blade, cut the web, discard waste, pull tape under webs, fold to secure and cut tape.
- 5. Disengage both Web clamps.



BIRR-40XX USER MANUAL

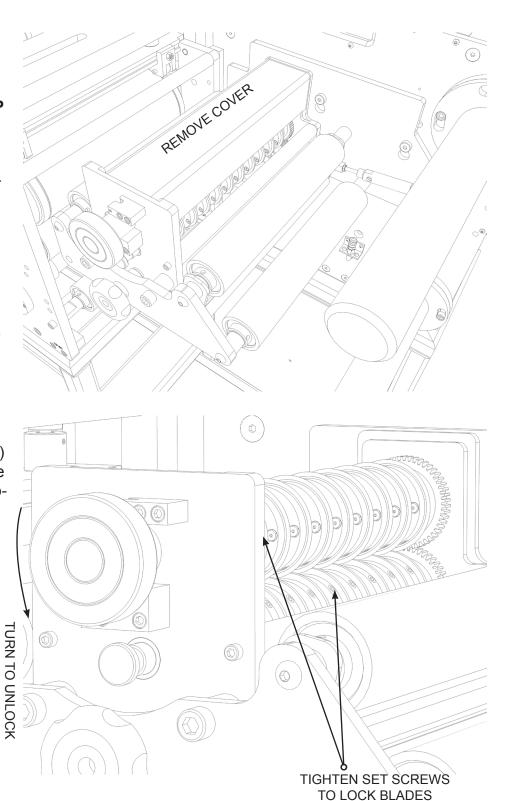
3-5: ROTARY SHEAR SET-UP

Step 1 Set lower blades for desired Slit-widths and tighten set-screws, making sure upper blades are up and not in lock position.

Step 2 Lower upper blade assembly by turning handle counter-clockwise and snap into lock position, making sure that the upper blades are clear of lower blades to avoid blade damage.

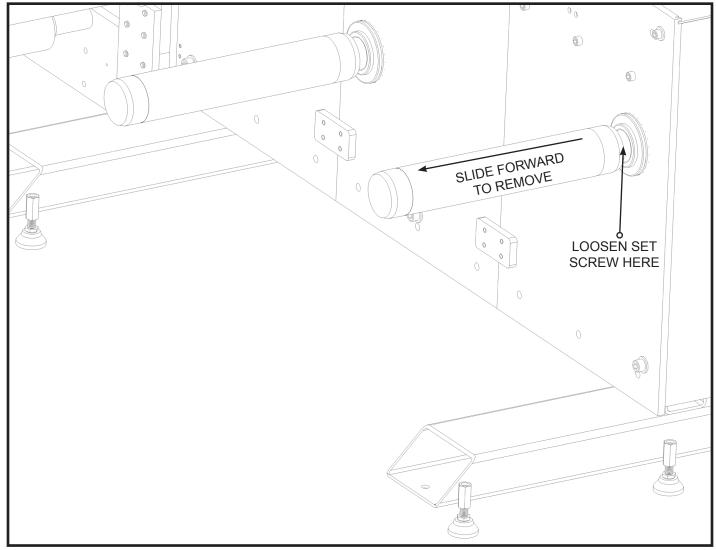
Step 3 Gently slide upper blade(s) into cutting position flush against the lower blade(s) by pushing on both sides of the blade to avoid wobble. Hold upper blade against lower blade and tighten set-screw.

SLITTER



BIRR-40XX USER MANUAL





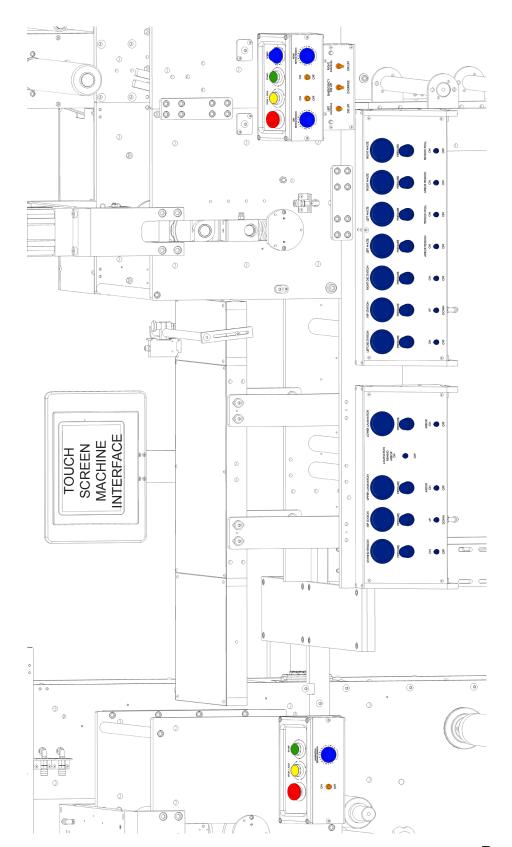
3-6: Changing Rewind Spindle

Your AZTECH web handling unit is equipped with Convertech pneumatically inflatable rewind spindles. These spindles are easily removed by loosening the hex-screw at the machine side and pulling away from machine. To insert new spindle, simply insert spindle into rewind station and tighten hex-screw firmly.

CAUTION: Utilizing Rewind Spindles less than 1.5" in diameter require the use of Outboard Support Apparatus which is NOT included in the standard equipment. Operating the machine without the support apparatus and with spindles less than 1.5" may result in serious injury.

BIRR-40XX **USER MANUAL**

Section 4: Machine Operation



4-1: Operator Control Layout

SPEED/TENSION CONTROLS

STOP/JOG BUTTONS

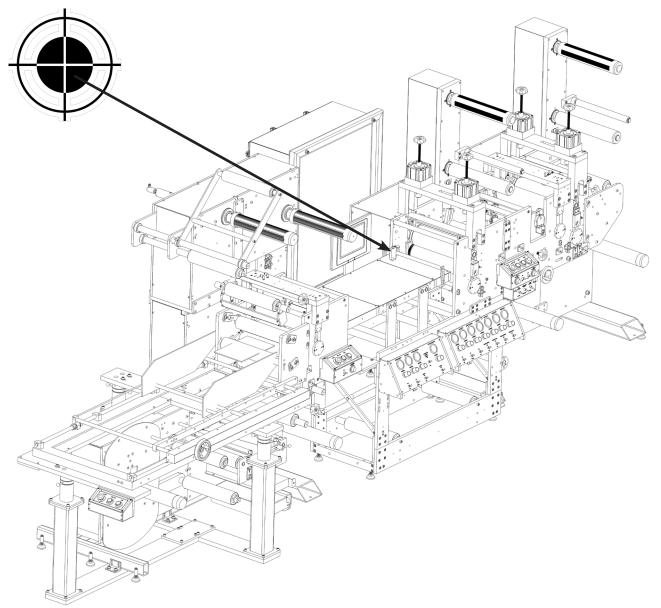
E-STOP

■ START BUTTONS ARBOR LOCKS ■ PNEUMATIC CONTROLS

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4-2: Registration Overview



Your AZTECH web handling system is equipped with a Re-Registration system for precisely controlling web tension as well as web position with relation to the die stations. This allows the machine to be used as an all-in-one converting solution for printing or other registration controlled processes.

The registration system is controlled by an industrial-PC running an HMI program and controlling mulitple servo-motor controllers within the electrical control cabinet seperate from the main machine.

On power-up the PC boots and displays the AZTECH logo. Once it is finished loading, the MAIN MENU screen will be displayed.

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BIRR-40XX USER MANUAL

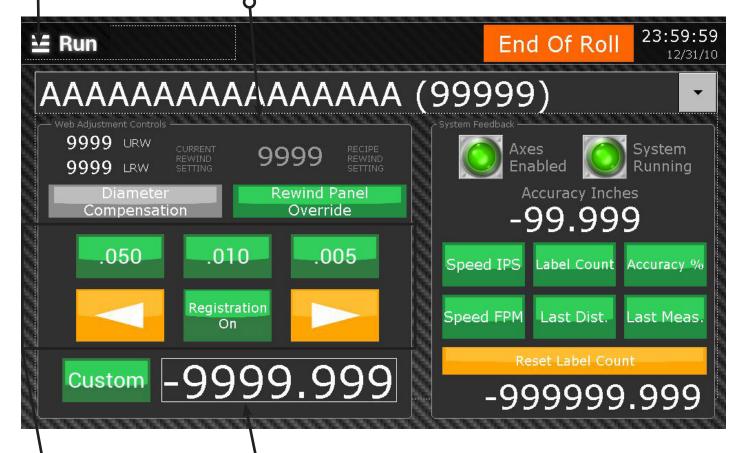
Run Screen

Setting up a job:

- Use the RECIPIE NAME selection tool to call up a pre-programmed job
- 2. Turn the Registration system ON by pressing the Registration ON/OFF button in the lower right section of the screen.
- 3. Check to see that the machine is clear, the E-Stop is un pressed and there are no warnings present.
- 4. Press the start button on the operator panel and run the job.
- 5. Observe the run status by changing the readout units of the number displayed in the lower right corner by pressing the selections directly above the number.

Run Recipes Diagnostics System Settings

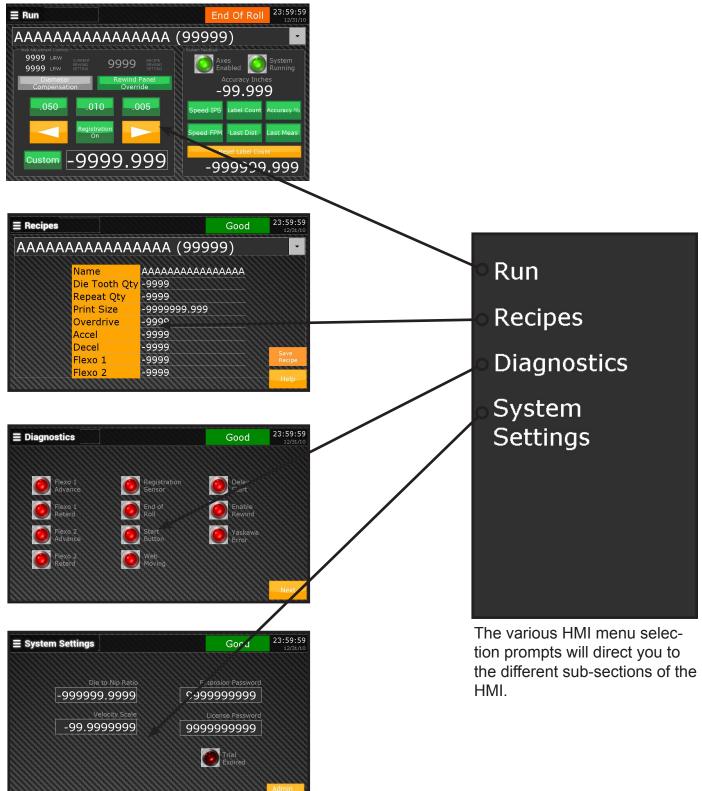
RECIPE NAME



Ò REGISTRATION ENABLE
Ò DIE REPEAT
AND MANUAL REPEAT
ADJUSTMENT

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BIRR-40XX USER MANUAL

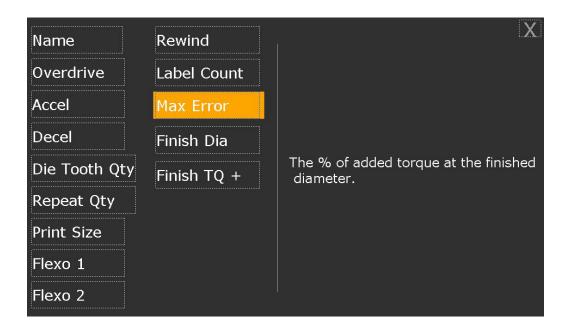
Recipie Editor



BIRR-40XX USER MANUAL



Help Menu



Accel: Scalar value determining the acceleration of a registration correction.

Decel: Scalar value determining the deceleration of a registration correction.

Die Tooth Qty: The number of teeth in the die pattern

Repeat Qty: The number of repeats in the die

Print Size: The distance from mark to mark in inches

Flexo 1: The percent of overdrive on Flexo 1, 0.01%

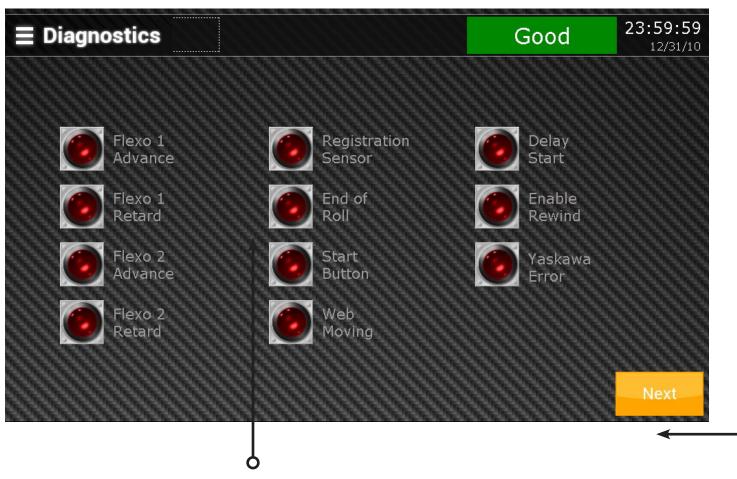
Flexo 2: The percent of overdrive on Flexo 2, 0.01%

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AZTECH CONVERTING SYSTEMS

BIRR-40XX USER MANUAL

Diagnostics, 1

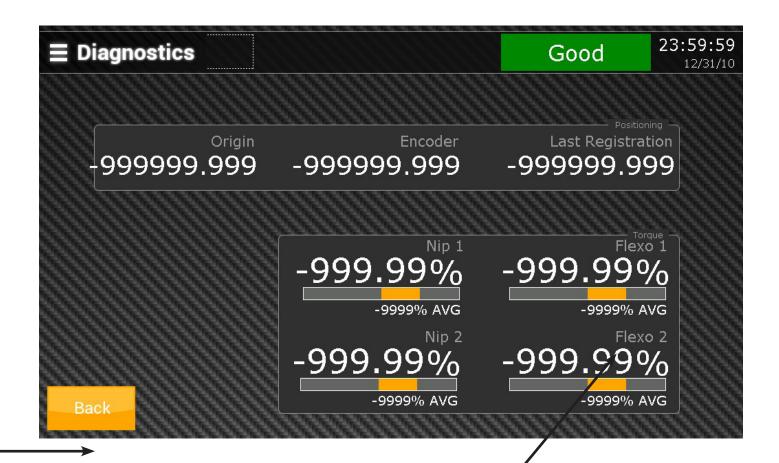


If an error is generated, the explaination is given here.

BIRR-40XX USER MANUAL



Diagnostics, 2



The percent of total output is given here. If regen errors are experienced, they are typically accompianied by high values here. Correct the issue by turning down the overdrive values.

BIRR-40XX USER MANUAL

System Settings



Per terms of delivery, a password is given to liscense the machine. It is entered here.

BIRR-40XX USER MANUAL



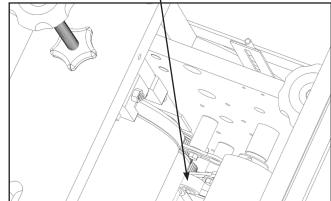
4-3: Mounting Rotary Die(s) in Die Station

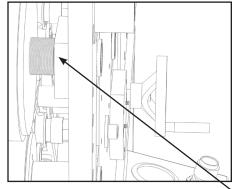
Recapping the set-up procedures as outlined in Chapter 3, carefully follow the web path diagram in 3.1-2, web the DieMaster, and adjust the web guide if needed (see diagram 3-2).

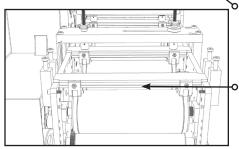
ALWAYS USE CAUTION WHEN HANDLING ROTARY TOOLING AS DAMAGE MAY OCCUR IF MISHANDLED. WHEN LAYING A ROTARY DIE DOWN, ALWAYS MAKE SURE TO SET ON SOFT SURFACE TO HELP AVOID DAMAGE.

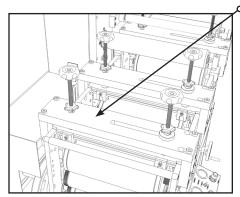


- 1) Use spacer washer(s) on journal on gear side to assure that the die gear is properly aligned to the anvil roll gear.
- 2) Slide square bearing block onto gear side journal and slide die into place. If gears are not aligned properly, remove die, and add or remove washers until aligned.
- 3) Use spacer washer(s) on outboard side, and slide quarter-turn bearing block onto shaft and turn counter-clockwise, making certain that the die is snug and does not slide around.
 - 4) With die in proper position, set die truck onto die making certain the bearings ride against the rotary die bearers.
 - 5) Slide die bridge into place, tighten all 4 hex screws, and turn both assist knobs clockwise until snug. Secure die by turning the lock knobs clockwise until tight.
 - 6) Using the pre-drilled holes near the die station, secure the 4 die wipers against the die bearers and lubricate all 4 with oil to help keep debris away from die. $_{\rm Q}$









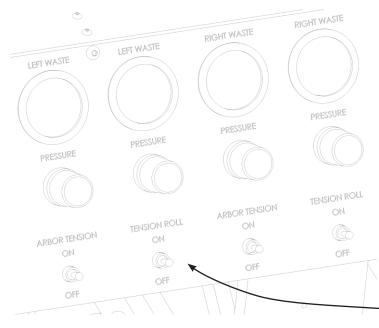
AZUEGEN

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BIRR-40XX USER MANUAL

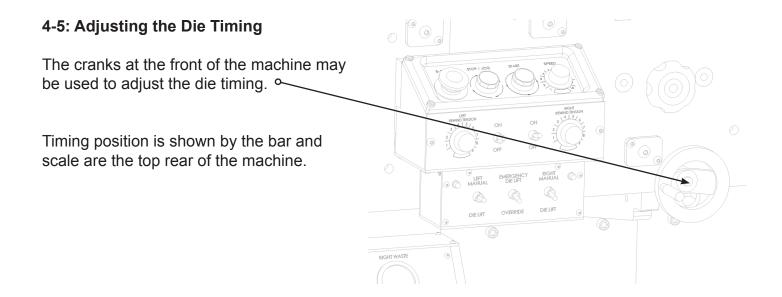
4-4: Using the Waste-Windup

With die properly positioned, slide a core onto the waste-windup spindle, inflate using the switch and perform the following steps:



- 1) Jog the machine to briefly begin cutting and than stop.
- 2) Peel the waste away from the web, using caution by keeping hands away from the die, and hold with one hand while jogging the machine to produce enough length of waste to reach the waste wind-up.
- 3) Thread the waste by wrapping around the capstan roll, then around the knurled idler roll, before securing to the waste windup spindle.
- 4) Adjust both lower capstan and waste-windup spindle tensions using the pneumatic dials.

CAUTION: ALWAYS KEEP HANDS OR LOOSE CLOTHING AWAY FROM THE DIE WHEN THE MACHINE IS IN MOTION TO AVOID THE POTENTIAL FOR SERIOUS PERSONAL INJURY.



BIRR-40XX USER MANUAL



Chapter 5: Maintenance

The AZTECH web handling unit is rigidly constructed to provide your company many years of reliable productivity, however regular and periodic maintenance is required to keep it running to its full potential and to avoid damage. To assure maximum performance and longevity, the following maintenance is essential:

REGULAR MAINTENANCE:

- Lubricate Die and Anvil Roll bearing blocks by applying oil into holes at the top of the bearing blocks.
- Apply oil to all fiber wiper rolls to keep dies and rollers free of debris.
- Apply heavy viscosity gear grease to all roller gears.
- Apply grease to the die trucks using the (4) fittings and apply oil to the felt pads between the bearings and trucks.
- Clean blades on slitting station.

PERIODIC MAINTENANCE:

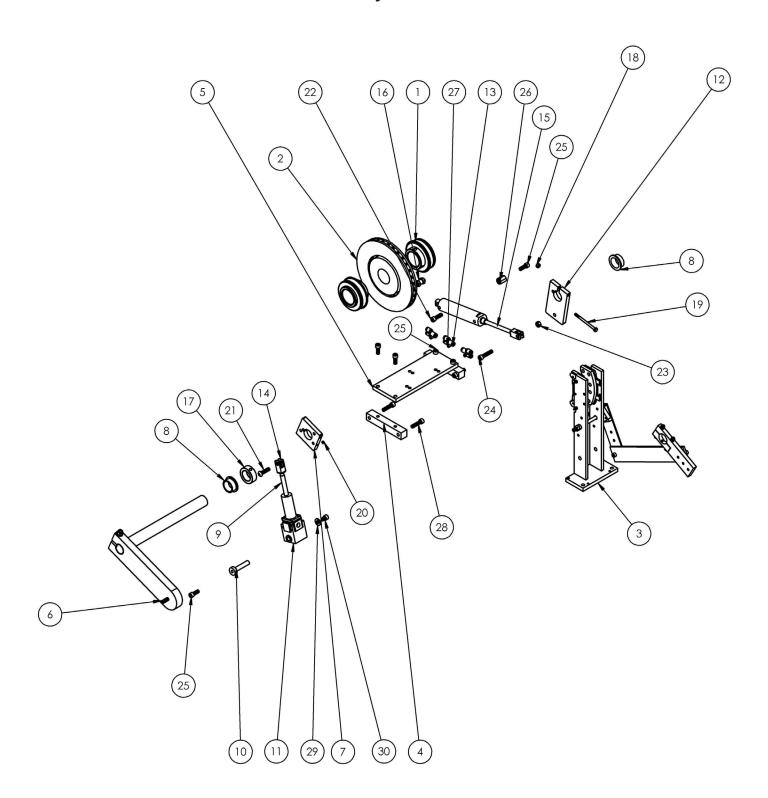
- Turn off power and remove back cover to inspect all belts assuring they are tightened sufficiently.
- Clean the web guide sensor to assure that it is free of dust and debris.
- Clean counter sensors inside the machine under the pace roller to assure that they are free of dust and debris.
- Assure that all belts are sufficiently tight and tighten any loose belts.



BIRR-40XX USER MANUAL

Chapter 6: Station Detail

UDB Assembly



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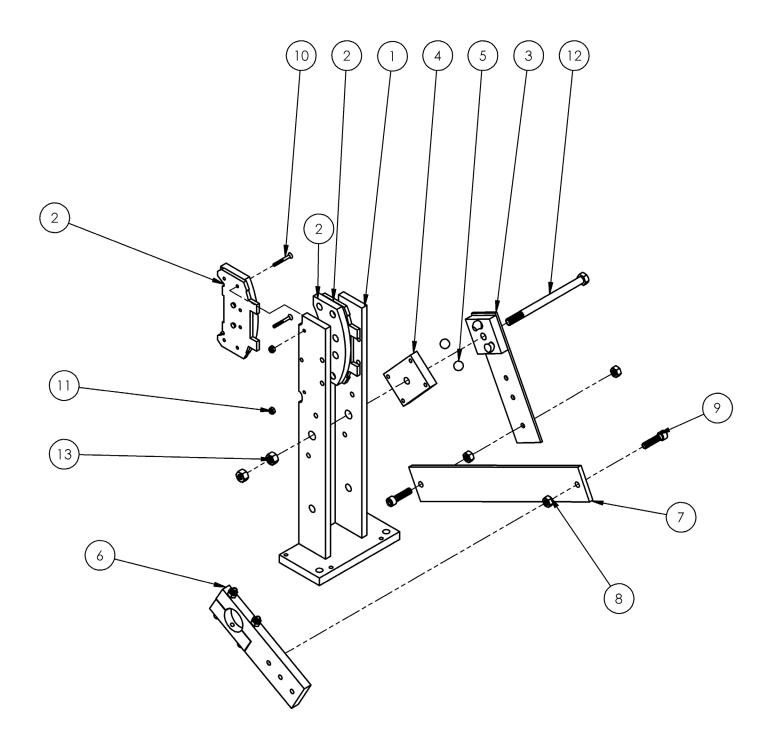


ITEM NO.	PART NUMBER	DESCRIPTION	INTERNAL VIEW/QTY.
	2.0000er32	er-32 bearing	2
2	11418	BRAKE ROTOR ASSEMBLY	1
3	15928	UDB2, BRAKE ASSEMBLY	1
4	16017	UDB BRAKE SPRT BRACKET FOR BOTTOM PLATE	2
5	16016	UDB BRAKE SPRT BOTTOM PLATE	1
6	10515-C	DANCER ASSEMBLY,ROLL MASTER	1
7	15884	rewind die Cutter dancer pivot air lock arm	1
8	1-38 flanged oilite	KAMFF1618	2
9	15389	ar25-n02h-z pressure rod	1
10	15885	REWIND DIE CUTTER BRAKE REGULATOR PIVOT SPRT	1
11	15386	BSR BRAKE REGULATOR ASSEMBLY AR25	1
12	15889	INSPECTION REWINDER, DANCER PIVOT ARM	1
13	KQ2U07-00	NAME	3
14	NY-125	ROD CLEVIS 3/8" CROSS HOLE 7/16-20 END THREAD	1
15	NCMC150-0400	AIR CYLINDER	1
16	BULK HEAD FITTING 1-4 TO 1-4 ONE TOUCH ASSEMBLY	1/4 TO 1/4 ONE TOUCH BLK HD FITTING	1
17	1-3EIGHTS COLLAR	1-3/8 SET COLLARS	1
18	HEX NUT250-20 UNC_0_LOCK	HEX NUT NYLOCK 1/4-20	1
19	hex bolt_~250-20 unc_3~5_simp	HEX BOLT 1/4-20 X 3-1/2"	1
20	SSCR-HEX-CUP250-20 UNC_0.25_SIMP	SSCR 1/4-20 X 1/4	1
21	BTNHD_~375-16 UNC_1~5_SIMP	BUTTON HEAD CAP SCREW 3/8-16 X 1-1/2	1
22	SCH_~375-16 UNC_1~25_SIMP	SOCKET HEAD CAP SCREW 3/8-16 X 1-1/4"	1
23	HEX NUT375-16 UNC_0_SIMP	HEX NUT 3/8-16	1
24	SCH_~375-16 UNC_1~75_SIMP	SOCKET HEAD CAP SCREW 3/8-16 X 1-3/4"	1
25	SCH_~375-16 UNC_1_SIMP	SOCKET HEAD CAP SCREW 3/8-16 X 1"	6
26	91034A110	11/16 HEX DIA X 1" LONG, 3/8-16 THREADED THRU	1
27	BTNHD_~164-32 UNC_1_SIMP	BUTTON HEAD CAP SCREW GRADE 5, 8-32 X 1"	3
28	SCH_~375-16 UNC_1~5_SIMP	SOCKET HEAD CAP SCREW 3/8-16 X 1-1/2"	4
29	WSHR A375 HARD	3/8" HARD WASHER	1
30	SCH_~375-16 UNC_0~5_SIMP	SOCKET HEAD CAP SCREW 3/8-16 X 1/2"	1



BIRR-40XX USER MANUAL

UDB Brake Detail



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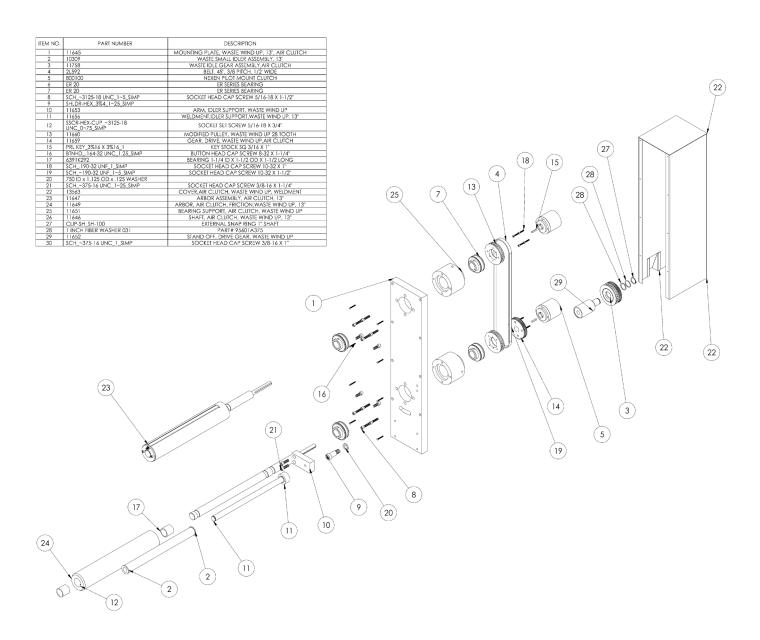
ITEM NO.	PART NUMBER	DESCRIPTION	UNLOCKED UDB/QTY.
1	12043	BRAKE ASSEMBLY PLATE MOUNT	1
2	brake pad MOVABLE	DISC BRAKE PAD	2
3	11823	BRAKE PIVOT ARM ASSEMBLY,BSR,SR,DM	1
4	11818	BRAKE RAMP PLATE,FIXED,BSR, SR, RM	1
5	1_2 BALL	MCMASTER-CARR# 96455K56	2
6	11813	CAM BRAKE MASTER ARM PIVOT	1
7	15929	UDB2, BRAKE TRANSFER LINK	1
8	HEX NUT_~3125-18 UNC_SIMP	HEX NUT 5-16-18	3
9	SCH_~3125-18 UNC_1~25_SIMP	SOCKET HEAD CAP SCREW 5/16-18 X 1-1/4" FLAT HEAD CAP SCREW 6-32 X	2
10	FLH-SCH-82_~138- 32 UNC_1~25_SIMP	1-1/4"	4
11	HEX NUT 6-32 LOCK	HEX NUT 6-32 NYLOCK	4
12	HEX BOLT_~375-16 UNC_5~5 SIMP	HEX BOLT GRADE 5, 3/8-16 X 5.5"	1
13	HEX NUT375-16 UNC 0 SIMP	HEX NUT 3/8-16	2





BIRR-40XX USER MANUAL

Waste Windup Assembly

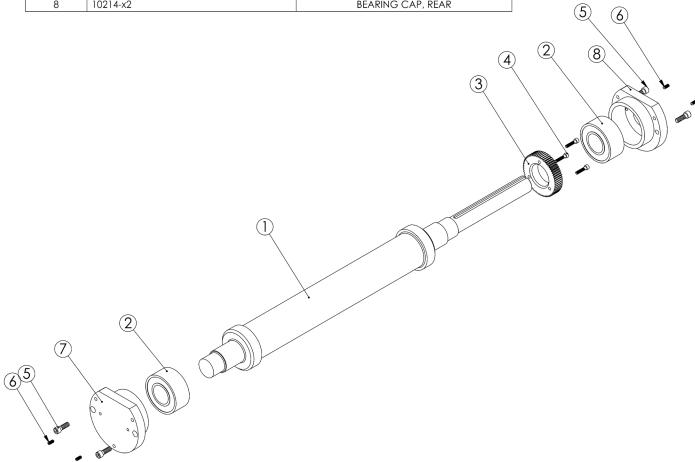


BIRR-40XX USER MANUAL



Rotary Die Station: Support Roll Assembly

1 10203-x3 LOWER SUPPORT ROLL, 13" 2 5206A2RS1 BEARING 3 10054-x3 GEAR, 64 TOOTH, 1/8" PITCH 4 SCH164-32 UNC_0.75_SIMP SOCKET HEAD CAP SCREW 8-32 > 5 SCH250-20 UNC_0.75_SIMP SOCKET HEAD CAP SCREW 1/4-20	
3 10054-x3 GEAR, 64 TOOTH, 1/8" PITCH 4 SCH164-32 UNC_0.75_SIMP SOCKET HEAD CAP SCREW 8-32 >	
4 SCH164-32 UNC_0.75_SIMP SOCKET HEAD CAP SCREW 8-32 >	
5 SCH250-20 UNC_0.75_SIMP SOCKET HEAD CAP SCREW 1/4-20	3/4"
	X 3/4"
6 SSCR-HEX-CUP164-32 UNC_0.375_SIMP SOCKET SET SCREW CUP POINT 8-32	X 3/8"
7 10213x2 BEARING CAP, FRONT	
8 10214-x2 BEARING CAP, REAR	

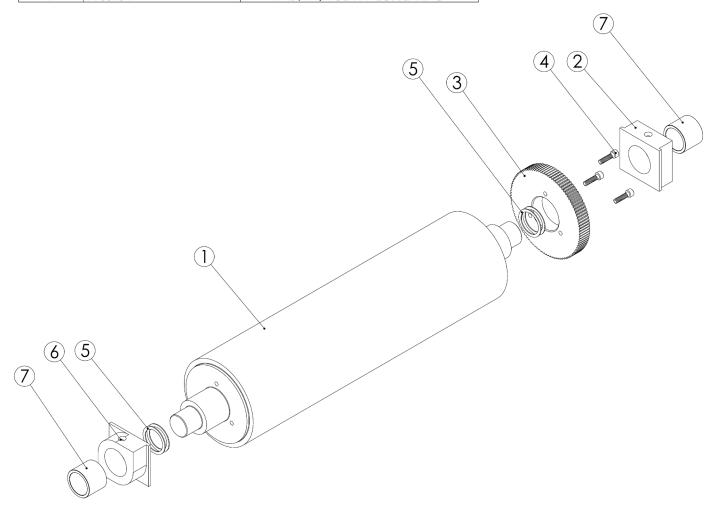




BIRR-40XX USER MANUAL

Rotary Die Station: Anvil Roll Assembly

	ITEM NO.	PART NUMBER	DESCRIPTION
	1	10208-x4	ANVIL ROLL, DIE MASTER, 13"
	2	10396	GIBB BLOCK, SQUARE, 2"
	3	10191	GEAR, 99 TOOTH, 1/8" PITCH
	4	SCH190-32 UNF_0.75_SIMP	SOCKET HEAD CAP SCREW 10-32 X 3/4"
	5	95601A420	WASHER, HARD FIBER, 1" ID .031 THICK
	6	10397	GIBB BLOCK, RIGHT TWIST, THIN, 2"
Г	7	7965K34	1" ID, 1 1/4"OD X 1" LG. BEARING



BIRR-40XX USER MANUAL



Rotary Die Station: Die Truck Assembly

ITEM NO.	D. PART NUMBER	DESCRIPTION	
1	10272	CAM FOLLOWER MAIN BRIDGE, 13"	1
2	10028	CAM FOLLOWER SUPPORT BRIDGE	-
3	Y-36-S	BEARING	-
4	10735	PIN,TRUCK, DIE CUTTER	
5	SSCR-HEX-CUP3125-18 UNC_1_SIMP	SOCKET SET SCREW CUP POINT 5/16-18 X 1"	
6	SSCR-HEX-CUP250-20 UNC_0.25_SIMP	SSCR 1/4-20 X 1/4	
7	HEX NUT3125-18 UNC_LOCKING	HEX NUT LOCKING 5/16-18	5
(4) (3)	3	(T) (S)	

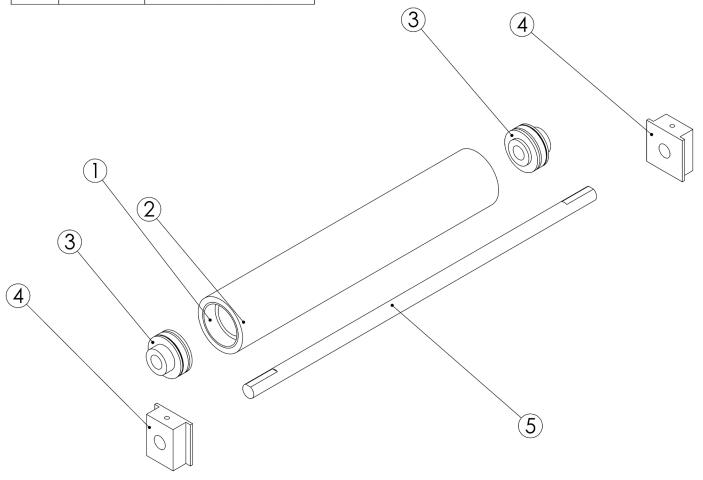




BIRR-40XX USER MANUAL

Main Drive: Nip Roll Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	
1	10219	NIP ROLLER, 13" WEB	
2	NIP RUBBER	RUBBER COATING 65 SHORE D	
3 ER10		BEARING	
4 10019 GIBB BLOCK, NIP ROLL		GIBB BLOCK, NIP ROLL	
5	10220	SUPPORT SHAFT, NIP ROLL, 13" WEB	

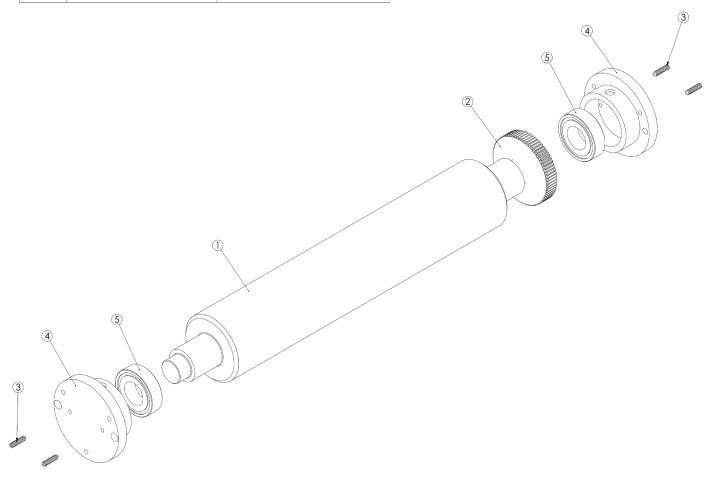


BIRR-40XX USER MANUAL



Main Drive: Pace Roll Assembly

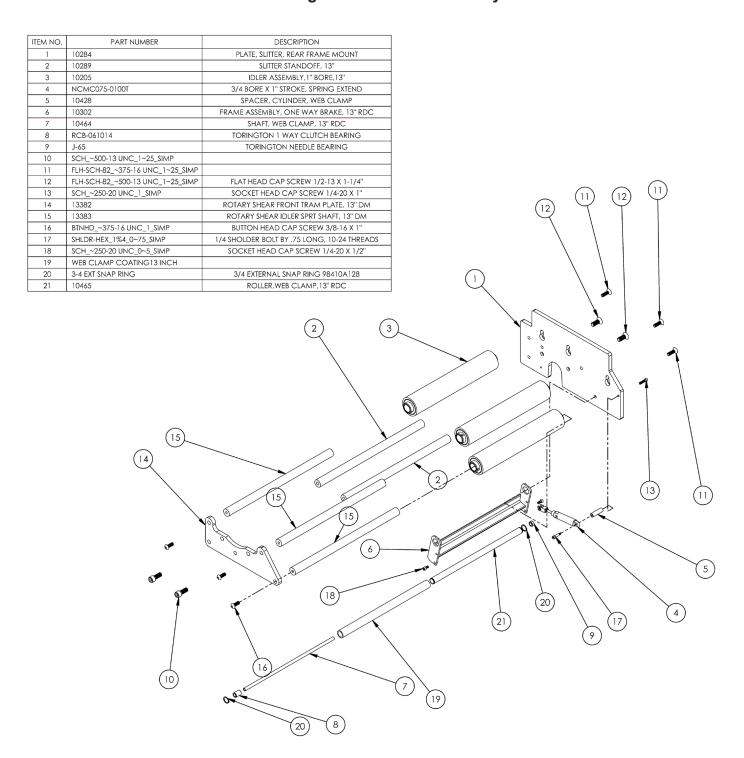
ITEM NO.	PART NUMBER	DESCRIPTION
1	10217	PACE ROLLER, 13" WEB
2	10155	GEAR, 72 TOOTH, 1/8" PITCH
3	SSCR-HEX-CUP190-32 UNF_0.75_SIMP	SOCKET SET SCREW 10-32 X 3/4"
4	11046	BEARING CAP, PACE ROLLER, REREGISTRATION
5	1641	1" ID X 2" OD X .563 WIDE BEARING





BIRR-40XX USER MANUAL

Slitting Station: Main Assembly



BIRR-40XX USER MANUAL



Slitting Station: Rotary Shear Assembly

			1		
ITEM NO.	PART NUMBER	DESCRIPTION PLATE, SLITTER, FRONT MOUNT			
2	10285 1HALF COLLAR	1/2" SET COLLAR			
3	10832	SHAFT, LATERAL ADJUSTMENT	-		
4	10373	COVER, SLITTER, 13"	1		
5	6338K417	1/2 ID X 5/8 OD X 1/4 L 1/8 FLANGE			
6	6391K262	3/4 ID X 1" OD X 1/2 LONG SAE 841]		
7	10656	V GROOVED CAM SHAFT,13"			
8	1607	BEARING 7/16 ID X .906 OD			
9	10653	ROTARY SHEAR SHAFT,13			
10	10659 1%4 x 3%4 long dowel	CAM BUSHING,REAR DOWEL PIN 1/4 DIA X 3/4" LONG			
12	10658	ROTARY SHEAR, CAM CRANK HANDLE			
13	10654	S2050 SPUR GEAR 1.25 BORE			
14	10660	3/4 SET COLLAR, MACHINED	1		
15	10288	ROTARY SHEAR STANDOFF, 13"]		
16	10648	STEEL FLANGE, TAPPED			
17	10651	CAM CLAMP BLOCK, LEFT TO RIGHT			
18	10657	CAM BUSHING, FRONT CAM CLAMP BLOCK, OPEN			
20	10283	PLATE, SLITTER, REAR SUPPORT	-		23)
21	M52P	VLIER BALL PLUNGER	i		
22	1%4 X 1 1%2 DOWEL	DOWEL PIN 1/4 DIA X 1-1/2"			(10)
23	SCH190-32 UNF_1_SIMP	SOCKET HEAD CAP SCREW 10-32 X 1"			
24	SCH250-20 UNC_1_SIMP	SOCKET HEAD CAP SCREW 1/4-20 X 1"		(24)	
25	10692	STEEL FLANGE			
26	6121K230	MC MASTER CARR KNOB			\ 1
27	98029A037	Black-Oxide Steel Thick Flat Washer 7/8" Screw Sz, 29/32" ID, 1-3/4" OD, .141"167"			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
		Thk Wave Disc Spring 1074 Hi-Carbon Steel, 1.051" ID, 1.351" OD, .015" Thk	4		> 7
28	9714K65	1 051" ID 1 351" OD 015" Thk	/	(13)	
29	SCH_~250-20 UNC_1~25_SIMP	SOCKET HEAD CAP SCREW 1/4-20 X 1-1/4"	1	(8)	
30	SSCR-HEX-CUP_~250-20 UNC_1_SIMP	SOCKET SET SCREW 1/4-20 X 1"	1 /		>
31	SSCR-HEX-CUP_~3125-18 UNC_1_SIMP] /		20
32	11635	UPPER BLADE HOLDER ROTARY SHEAR	/		
33	11629	ASSEMBLY LOWER BLADE HOLDER ROTARY SHEAR	1 /		0 00 %
34	10691	ASSEMBLY	- /		
35	10444	ARBOR, LOCK SHAFT, 13" HANDLE, PRESSURE ADJUST, DIE BRIDGE	/	& 3	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
(12		(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	8 33 2 5 29 27	9	6 20
35—		34 3 25 17 11 26 30			



BIRR-40XX USER MANUAL

Section 7: Troubleshooting

7-1: Why doesn't the machine turn on?

First check to make sure that the main power switch on the back electrical panel is turned on. Then make sure that the emergency stop button on control panel is disengaged.

7-2: The counter is not counting accurately.

Inspect and clean both counter sensors located in the machine on the gear underneath the pace roller.

7-3: Why is the counter not counting inches?

Make sure that the counter sensor below the web guide is flashing red which assures that it is properly connected to the machine. Be sure that the setting on the PLC is "Distance".

7-4: Why is the counter not counting labels?

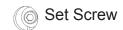
If your machine is equipped with the optional label counter and is not doing so, after assuring that the counter sensor below the web guide is flashing red which assures that it is properly connected, assure that the PLC is set to "LABELS".

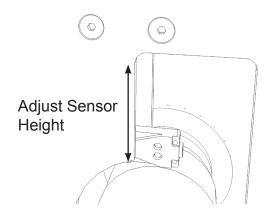
7-5: Why isn't the end-of-roll sensor working?

If your mchine is equipped with the optional end-of-roll shut-down and it is not shutting down the machine when the unwind roll is near the end, or if it is shutting down prematurely, perform the following:

- 1. Assure that the light on the sensor (see figure 7-B) located near the unwind spindle is illuminated.
- 2. If not illuminated, check wiring for proper connections or damage. If wiring is set up properly, the sensor may need to be replaced.
- 3. If illuminated, the sensor may be in need of adjustment. If the machine is shutting down prematurely, the sensor needs to be moved closer to the unwind spindle, where if it is not shutting down the machine at all, the sensor needs to be moved away from the unwind spindle. To adjust the sensor, simply loosen the set screw, slide bracket in either direction, and re-tighten.







BIRR-40XX USER MANUAL

Section 8: Warranties and Service



8-1: Warranties & Provisions

WARRANTIES: All equipment manufactured and sold by AZTECH Converting Systems (Seller) is warranted to be free of defective materials and workmanship under normal use and service for a period of one (1) year from the date of delivery to Buyer's premises. All commercial components not manufactured by Seller carry the original manufacturer's warranty. At Seller's discretion, Seller may provide on-site warranty service for a period of ninety (90) days from the aforementioned date.

REMEDIES If within the Warranty Period any such Equipment is proven to Seller's satisfaction to be defective in either material or workmanship, Seller, at its sole discretion, shall (a) repair or replace defective parts on the Equipment at Seller's cost, or (b) grant a reasonable allowance on account of such a breach. If within the Warranty Period the Seller receives notice from Buyer of defects in parts or materials. Seller will ship (ground, prepaid) replacement parts) and invoice Buyer for the full cost of the replacement parts). Buyer will receive a Return Authorization (RA) from seller, and return defective parts or materials to Seller, who at its sole discretion shall determine whether defective parts or materials are or are not subject to exclusion from this warranty as provided herein. Any defective parts or material not excluded from the Warranty Period will then be fully credited to Buyer.

EXCLUSIONS

THE FOLLOWING ITEMS ARE EXCLUDED FROM THIS WARRANTY:

- Defects or damage caused by careless or improper use.
- Parts that need periodic replacement from wear during normal operation.
- Routine maintenance and adjustment.
- Failure or damage caused by improper installation or inadequate maintenance by Buyer.
- Failure or damage caused by equipment modifications by Buyer.
- Equipment damage resulting from an accident, or abnormal conditions of operation.

DISCLAIMER OR WARRANTY

NO OTHER WARRANTY IS EXPRESSED OR IMPLIED INCLUDING WARRANTIES OF MER-CHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE. SELLER IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGE SUCH AS, BUT NOT LIMITED TO LOSS IN PROFITS, LOSS OF USE OF EQUIPMENT, OR INCREASED IN OPERATING COSTS OR EXPENSES.

8-2: Technical Service

In the event that your DM is not functioning properly or if you have any technical questions, an AZ-TECH Technical Service representative is available to assist you. Contact information is as follows:

Phone: 1-480-951-8351

1-800-829-8351

Fax: 1-480-998-5409

E-Mail: techservice@aztechconverting.com