RS|12 Straight Line Ripsaw

Model Number: MRS5000-0280

LAGUNA

Laguna Tools
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Scope of This Manual

This manual outlines the basic procedures for unpacking, installing, and operating the RS|12 Straight Line Rip Saw.

For detailed instructions and videos, please go to www.lagunatools.com.

Customer Service

For technical support, please contact Laguna Tools:

Call Customer Service at 1-800-332-4094 or email at customer_service@lagunatools.com. Please note the machine type in the subject line.

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NOTES:

1.0 General Information and Safety

1.1 Overview

SAVE THIS MANUAL

Please read and understand all warnings and operation instructions before using any tool or equipment. Always follow basic safety precautions to reduce the risk of personal injury. Improper operation, maintenance, or modification of tools or equipment could result in serious injury or property damage. Laguna Tools equipment is designed for specific and limited applications. This product should neither be modified nor used for any application other than those for which it was designed.

PERSONAL SAFETY IS THE RESPONSIBILITY OF THE OPERATOR.

1.2 Safety Signs and Call-Outs

⚠ DANGER

An imminently hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING

A potentially hazardous situation which, if not avoided, may result in death or serious injury.

⚠ CAUTION

A potentially hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTE

A helpful tip from Laguna Tools staff.

1.3 Safety Warnings

1. Failure to comply with safety instructions may lead to personal injury and/or damage to the equipment. Do not operate the machine unless familiar with all safety instructions, warnings, and signs.
2. Do not operate the machine with the cabinet/doors open–High Voltage Supply inside.
3. The machine must be properly electrically grounded. The power supply must be connected with a permanently fixed electrical wire.
4. Keep children and non-operators away from the machine.
5. Operators must be familiar with the installation, operation, and service of the machine. Only proper operation can ensure the safe and smooth running of the machine.

⚠ WARNING

Automated machinery involves moving parts which pose a potential hazard to personnel. Be aware of machine movement at all times.

⚠ WARNING

Only allow qualified service personnel to do electrical installation or repair work, and always disconnect power before accessing or exposing electrical equipment to reduce risks.

⚠ CAUTION

Machine bits are sharp and pose a cutting hazard. Do not handle without gloves or while the machine is in operation.

1.4 Additional Safety Information

1. All motion parameters have been set up by Laguna Tools. If any modifications are required, please have a professional operator perform the changes.

2. Safety Signs should be attached to places that are easy to spot.
3. Use the machine only in clean areas free from excessive moisture or flammable objects.
4. The machine must be level. Level the machine if the ground is uneven.
5. Keep the machine, electrical cabinet, and surrounding area clear of obstructions and free from excessive moisture.
6. Keep the machine, electrical cabinet, and cables away from excessive heat, flammable substances, and sharp objects.
7. Do not attempt to exceed the limits of the machine.
8. Disconnect power to all system components when not in use, when changing accessories, and before servicing. Remove the switch keys or lock-out the machine to prevent unauthorized use and child-proof the workshop.
9. Exercise care with machine controls and around keypad to avoid unintentional start-up.
10. Keep cutting tools clean and sharp.
11. Verify that any saw blades are securely locked in place.
12. Never leave the machine with the power on.
13. Only use the machine for its intended use.
14. Use only accessories that are designed for the machine. Use of accessories that are NOT recommended may result in a risk of injury.
15. Lubricate and change accessories when necessary.
16. Cables and cords should be inspected regularly.
17. Verify that switch is in the “OFF” position before plugging in the power cord.
18. Make sure tool is properly grounded. If tool is equipped with three-pong plug, if should be plugged into a three-prong electrical receptacle. Never remove the third prong
19. Keep controls clean and dry.
20. Perform daily inspection of the machine for damaged, loose, or improperly adjusted parts or any condition that could affect safe operation. For your own safety, do not operate the machine with damaged parts.
21. Stay alert at all times while operating the machine.
22. Always wear safety glasses and hearing protection.
23. Know where the emergency stop switch is located.

24. Never operate machinery under the influence of drugs or alcohol, when tired, or when distracted.
25. Do not wear clothing, apparel, or jewelry that can become entangled in moving parts. Always tie back or cover long hair. Wear non-slip footwear to reduce the risk of slipping and losing control or accidentally contacting cutting tool or moving parts.
26. Never stand on the machine. Serious injury may occur if the machine is tipped or if the cutting tool is unintentionally contacted.
27. Consult the Owner's Manual or Laguna Tools for recommended accessories. Using improper accessories will increase the risk of serious injury or damage.

1.5 Proposition 65 Warning of Harmful Exposure

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paint.
- Crystalline silica from bricks, cement, and other masonry products.
- Arsenic and chromium from chemically treated lumber.

The risk of exposure varies depending on frequency of use. To reduce exposure to these chemicals, work in a well-ventilated area and work with approved safety equipment, such as face or dust masks that are specifically designed to filter out microscopic particles.

⚠ DANGER

Use extreme caution when cutting flammable materials such as wood or acrylic. Keep the machine clean by following the supplied maintenance schedule and always have a fire extinguisher ready to extinguish a fire. Take extreme caution when cutting acrylic materials as they are more volatile than other materials.

Never leave the machine running unattended.

The tools sold by Laguna Tools are safe when used properly, as described by the American National Safety Institute, the UL Standards of safe tool use, and the IEC standards of safe tool use. Laguna Tools is in no way responsible for injury or death that occurs while using this product.

Personal safety is the responsibility of the operator.

2.0 Receiving the Machine

Following delivery and before the driver and riggers have left, inspect the packing, invoice, and shipping documents. Next, ensure there is no visible damage to the packaging or the machine. All damage must be noted on the delivery documents and signed by the receiver and the delivery driver. Contact Laguna Tools Customer Service as soon as possible in case of damage. It is advisable to photograph and document any shipping damage. The original packaging is required to return damaged equipment to Laguna Tools.

NOTE

Sawdust may be found in the machine upon arrival. This is because the machine has been tested prior to shipment from the factory and/or Laguna Tools. Laguna Tools tests all machines prior to shipping, but some adjustments may have to be undertaken by the customer. These adjustments are covered in the various sections of this manual.

Most large machinery will be delivered on a tractor trailer 48 to 53 feet long. Please notify a Sales Representative with any Delivery Restrictions. The customer is required to have a forklift (6000 lbs. or larger is recommended) with 72-inch fork or fork extensions.

NOTES:

3.0 Machine Placement

When unpacking the machine, separate all enclosed items from the packing materials and inspect each for damage. Save the packaging materials until all issues concerning missing or damaged items have been resolved.

3.1 Placement

Select the area where the machine will be operated. The physical environment where the machine is located is important to safe assembly and operation. Before removing the machine from its packaging consider the weight load, electrical installation requirements, lighting, dust collection, and space allocation available for the machine and accompanying materials.

Guidelines for properly placing the machine follow:

1. There should be sufficient area around the machine to facilitate easy access to the workpiece, perform maintenance, and provide safe egress in the event of an emergency.
2. Select a solid level floor rated to hold the weight of the machine and workpieces under both static and dynamic loads. Laguna Tools recommends concrete flooring. Consult a licensed and experienced professional if in doubt.
3. Locate the machine close to a power source and dust collection.
4. Allow an area for the storage of workpiece materials, finished products, and tools.
5. Leave ample space around the machine for the operator to handle both the equipment and the materials being cut.
6. Leave enough space around the machine to open or remove doors/covers as required by the maintenance described in the Owner's Manual.
7. **Do not** place or operate the machine in a highly magnetic area.

3.2 Dust Collection

Allow enough space for proper dust collection from the machine. For optimal operation, ensure that the machine is in a dry environment, free from excessive moisture, extreme weather. conditions, hazardous chemicals, or airborne abrasives

3.3 Electrical

The machine requires permanent, direct power installed by a qualified electrician familiar with industrial best practices. Ensure that all power cords are protected from traffic, moisture,

chemicals, or other hazards. For safety, always have a qualified electrician assess grounding and any further electrical needs.

3.4 Lighting

Ensure that the lighting your machine is placed under is sufficient to safely perform regular operation and maintenance. Any glares, shadows, or strobe lighting which may distract or prevent the operator from safely operating the machinery should be removed from the working area.

4.0 Overview

The RS|12 is the perfect machine for production ripping operations. Automatic feed and centralized lubrication top the list of features on this machine. Optional laser guide system available.

Single straight-line rip saws are carefully tested and inspected before shipment and if properly used will give perfect results. However, a reasonable amount of care and attention is necessary to ensure perfect performance and accurate work. It is imperative that you take a few moments to familiarize yourself with these instructions, as they will no doubt save you a lot of time and trouble.

4.1 Features

- Overhead Controls: Standard
- Lubrication System: Centralized Automatic
- Variable Speed: 30 – 112 ft/min
- Min. Work Length: 6-1/2″
- Blade Capacity: 10″ – 12″
- Precision fence locks securely and accurate parallelism to the double anti-kick fingers for maximum safety.
- Ruggedly constructed frame, massive table
- Precision built saw head assembly assures absolute straight-line rip saw operation.
- Easy quick change for speeds feed.
- Precision built V-way track assures absolute straight line up saw operations.
- Automatic lubrication to V-way track facilitates chains smooth running.

4.2 Components

- 1-pc Oil Pot
- 1-pc Tool Box
- 1-pc T-Wrench #19
- 1-set Open-Ended Wrench
- 1-set Hex Wrench Set
- 4-pc Screw M16 x 80
- 4-pc Nut M16
- 4-pc Steel Pad
- 1-pc Open Wrench #45

Figure 4–1

1	Chip Funnel	2	Roller Adjustment Wheel
3	Electrical Box	4	35.5” x 57” Table
5	Six Inch High Grip Feed Chain		

4.3 Electrical Control Panel

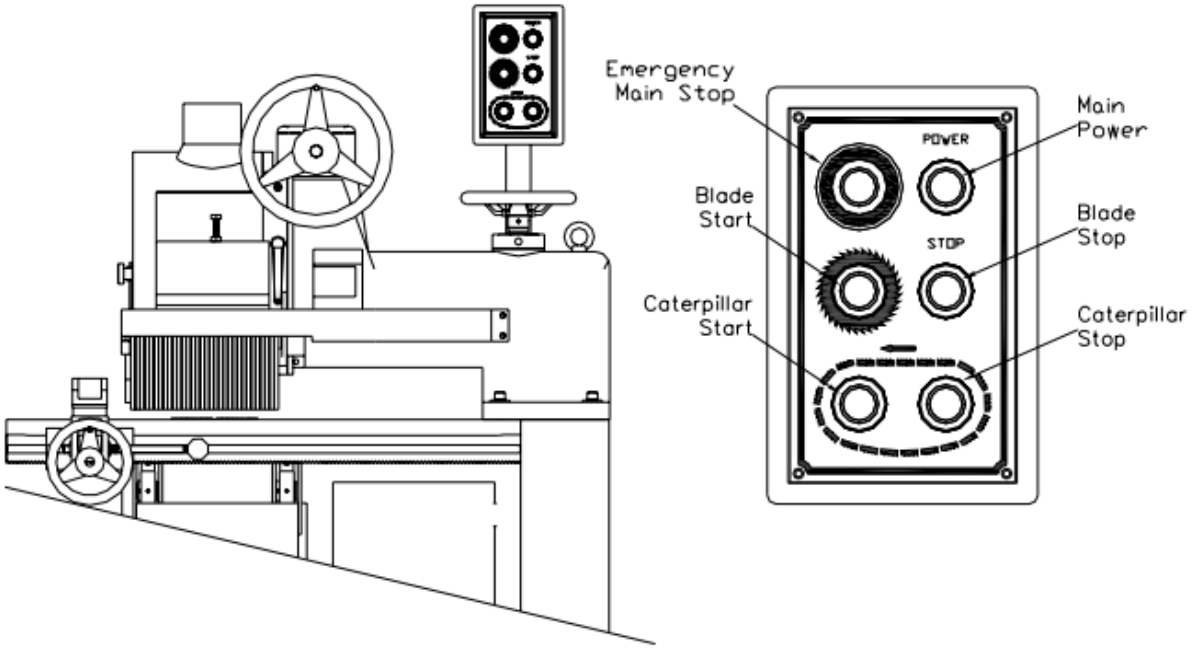


Figure 4–2

5.0 Specifications and Dimensions

Table 5-1

Specifications	
POWER REQUIREMENTS	220V, 3 phase
ARBOR MOTOR	7.5 HP / 10 HP / 15 HP
SAW ARBOR DIAMTER	1” (25.4mm)
SAW BLADE DIAMETER	12”-14” (305mm-355mm)
WORKING THICKNESS	3 7/8 ” (100mm)
HOLD DOWN ROLLERS	4
FEED CHAIN	6” High Grip
DUST PORT	4”
DISTANCE BETWEEN SAW & COLUMN	460 mm
BLADE TO FRAME	18”
SPINDLE ROTATION (50HZ)	3600 R.P.M
SPINDLE ROTATION (60HZ)	4500 R.P.M
FEEDING MOTOR	1 HP / 2 HP
FEEDING SPEED (50HZ)	11-45 m/ min (15 / 20 / 25 / 30 m/min)
FEEDING SPEED (60HZ)	13-31 m/ min (15 / 20 / 25 / 30 m/min)
TABLE AREA	35.5” x 57” 900mm x 1450 mm
NET WEIGHT	2420 lbs (1098 kgs)
GROSS WEIGHT	2972 lbs (1348 kgs)
SHIPPING SIZE (L x W x H)	60” x 48” x 62” (1524mm x 1219mm x 1575mm)

6.0 Electrical Requirements

⚠ WARNING

If in doubt, contact a qualified electrician before conning the machine to the power outlet.

⚠ CAUTION

A voltage with a greater power source can cause serious injuries to the work operator and damage the machine.

The RS 12 Straight Line Ripsaw requires permanent, direct power installed by a qualified electrician familiar with industrial best practices. Ensure that all power cords are protected from traffic, moisture, chemicals, or other hazards. For safety, always have a qualified electrician assess grounding and any further electrical needs.

The motor of the machinery has been designed for a specific voltage frequency. Check the voltage of you power outlet before connecting to the power source. Make sure the power outlet corresponds with the voltage specified on your motor plate, a voltage with a greater power source can cause serious injuries to the work operator and damage the machine.

The machine must be properly grounded at all times in order to avoid electric shock to the operator. The use of an extension cord is **not recommended**. If required, verify that the extension cord can carry out the full amount of power required for the motor. If the extension cord is damaged, cut, or worn out; replace immediately before proceeding with further operations.

POWER SUPPLY	3 Phase, 50/60HZ. Voltage is specified by customers. The setup environment is effective for EMI, but should be separate from other machines or facility. Keep the voltage variation in 10%.
CURRENT	SAW WHEEL DRIVE MOTOR: 7.5 / 10 / 15HP The rated current is 11A / 14.5A / 21.3A (575V/600V) 19.2A / 25.1A / 37.1A (220V)
SETUP CABLE RATED	Cross section… 5.5mm (575V/600V) 8mm (220V)
CIRCUIT BREAKER	According to the current to select its suitable breaker.

7.0 Unloading & Unpacking the Machine

NOTE

All shipping related claims for loss or damaged goods must be made to Laguna Tools within 24 hours of delivery.

Contact Laguna Tools customer service department to make claims for any damaged items/parts.

The original packaging is required to return damaged goods within the warranty period.

The machine should be delivered on a trailer by one or a combination of these methods:

1. In a crate
2. In a box
3. Heat shrunk in plastic
4. Sitting on a pallet

BEFORE unpacking your new machine, inspect the packaging, invoice, and the shipping documents supplied by the driver. When unpacking the machine, verify there are no signs of damage to the parts or machine you have received.

See the components section to cross reference the parts you should receive.

⚠ WARNING

The customer is required to have a forklift (6000 lbs. or larger is recommended) with 72-inch forks or fork extensions.

⚠ WARNING

Unload the machine with care. DO NOT pinch, crush, or damage any components that are on/around the machine.

⚠ WARNING

This machine is heavy. Seek assistance from an experienced professional if you have any doubt about the following unboxing or set up procedures.

DO NOT attempt any procedure that you feel is unsafe or you believe you do not have the physical capability of achieving.

⚠ CAUTION

When determining location, verify there is sufficient room around the machine. If you cannot fully open all the doors around the machine, it cannot be installed or serviced in the future if necessary.

Tools needed:

- *Crowbar or prybar*
- *Forklift or pallet jack*
- *Drill with Phillips head bit*
- *Tin snips*

BEFORE moving the machine to the desired location, verify that there is sufficient room around the dust collector to facilitate easy access to the workpiece, perform maintenance, and provide a safe exit in the event of an emergency.

Select a solid level floor rated to hold the weight of the machine and workpieces under both static and dynamic loads. Laguna Tools recommends concrete flooring. Consult a licensed and experienced professional if in doubt.

1. Use a forklift (6000 lbs. or larger is recommended) with 72-inch forks or fork extensions to unload the machine from the trailer.
2. Move the machine to a desired location.
3. Use tin snips to cut and remove any straps.
4. Use a drill with Phillips head bit to remove any screws that are securing the machine to the pallet/crate.
5. If necessary, use the prybar to remove any surrounding wood.
6. Use the forklift to lift the machine and remove the pallet/crate.
7. Lower the machine gently on the floor.

Ensure that all parts/components are present and in good condition.

8.0 Assembly & Setup

8.1 Leveling the Machine

The machine will need to be leveled before using it.

Tools & items needed:

- *Crescent wrench*
- *Level*
- *Forklift, pallet jack, or 2-ton floor jack*
- *Four (4) leveling feet*
- *Four (4) bolts/nuts*

1. Place a level on the machine to see if it is level.
    1. If the machine is level, installing the leveling feet is optional.
    2. If the machine is not level, the leveling feet will need to be installed.

8.1.1 Installing the leveling feet

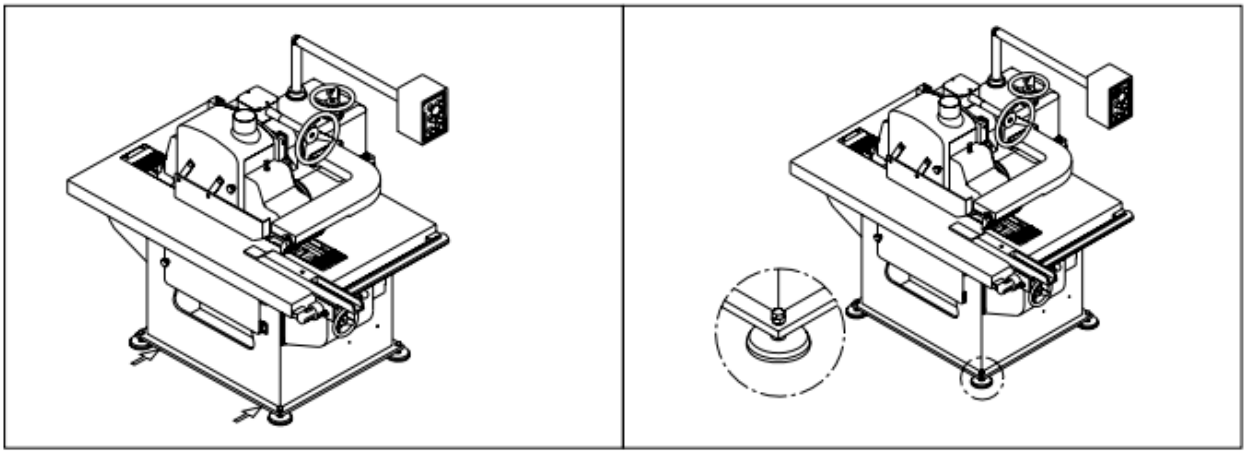


Figure 8–1

The machine comes with four leveling feet.

1. Use a forklift, pallet jack, or 2-ton floor jack to slightly lift the machine off the ground.
2. Align the metal feet to the feet hole(s)

3. Place the bolts/nuts into the hole(s).

Figure 8–2: Aligning the Metal Feet

Turn the nut clockwise until it is snug against the leveling feet.

2. Slowly lower the forklift or jack and move it away from the machine.
3. Place a level on top of the table to check for levelness.
4. Use the crescent wrench to turn the nut clockwise/counterclockwise to make any leveling adjustments.

Figure 8–3: Using a Crescent Wrench to Adjust and Tighten the Bolt/Nut Combo

5. Recheck for levelness and adjust as needed.

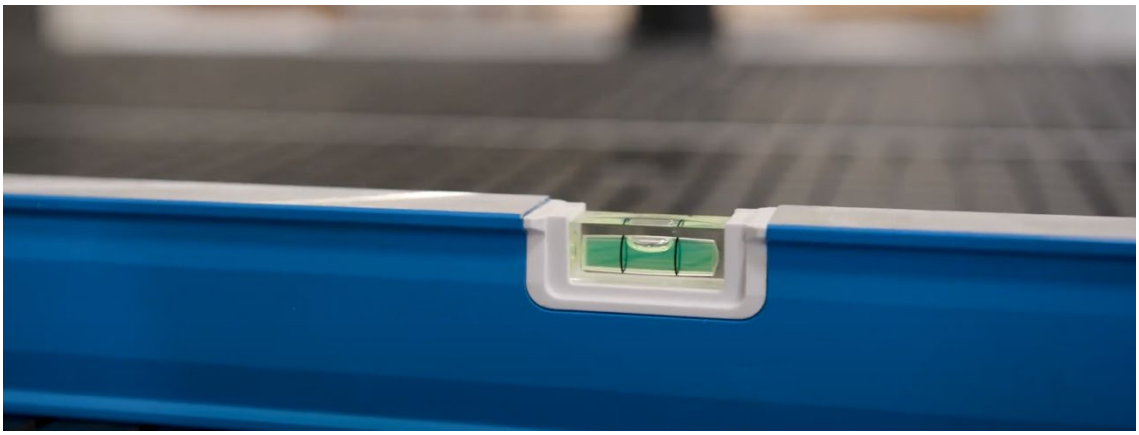


Figure 8–4: Checking for Levelness

6. Apply steps 1-7 to all six feet.

Single straight-line rip saws are precision built and need no further adjustments once received. However the machine may need a few adjustments when the machine has been in operation for a long period of time. Follow these procedures for any necessary adjustments:

1. Re-tighten any bolts or screws that may seem loose, and verify that they are properly tightened.
2. Always verify the deviating oscillation of the saw arbor and the moving gap of the arbor direction with a disc indicator once a month. Note: no noise level must be heard when saw arbor is rotating, this situation can influence the quality and life of the manufactured product.
3. Belt may become loose or slide off track; this may damage your machine. Always verify that the belt is at a suitable tightness for any operation being performed

8.2 Electrical Connections

The main power cable is connected to the main disconnect switch on the front of the electrical cabinet. A qualified electrician must carry out the electrical installation of the machine.

9.0 Operation

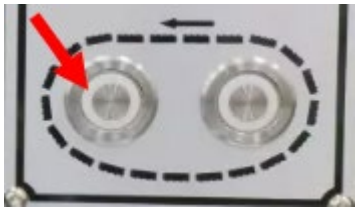
9.1 Preliminary Checks

Single straight-line rip saws are precision built and need no further adjustments once received. However the machine may need a few adjustments when the machine has been in operation for a long period of time. Follow these procedures for any necessary adjustments: 1. Re-tighten any bolts or screws that may seem loose, and verify that they are properly tightened. 2. Always verify the deviating oscillation of the saw arbor and the moving gap of the arbor direction with a disc indicator once a month. Note: no noise level must be heard when saw arbor is rotating, this situation can influence the quality and life of the manufactured product. 3. Belt may become loose or slide off track; this may damage your machine. Always verify that the belt is at a suitable tightness for any operation being performed.

1. All safety guards must be locked in place.
2. Correctly set and verify the width of cut.
3. Verify the running direction of the saw blade.
4. Remove any adjustment tools that are left behind on the machine.
5. Verify that the dust collection system is running properly.

9.2 Operation

The following procedures should be performed to verify that the machine is running in perfect condition:

1. Press blade start button  and let it run for about 10 seconds
2. Press the caterpillar start button 
3. Verify if the machine is running in counterclockwise direction.

a. In the case that the rotation is clockwise, switch two power wires among the three installed on the machine. This procedure will direct the rotation in the proper direction, allowing the saw arbor to rotate 2-3 times to verify that the direction is correct.

4. Verify the automatic lubrication feeding system of the caterpillar by observing the oil output of the lubricating oil from the lubricator. Allow the main shaft and caterpillar to run for a few minutes to observe that the heating situation is normal.

5. Perform a trial cut at a low speed; inspect the thickness of the Woodstock. If necessary, make further adjustments for thickness of cut.

   Once the machine is running in perfect condition, work operations can now proceed

10.0 Feed Speed

We recommend that a slow feed selection be selected when performing operations. When sawing is in process; observe that the motor load has not been overloaded. If overloading occurs; reduce the feed speed or change the saw blade to allow the saw arbor to function normally.

10.1 Adjusting Feed Speed

1. Loosen the four screws on the side plate and remove.
2. Loosen nut (1) and remove the belt.
3. Place the belt at the desired speed.
4. Put back the motor bracket.
5. Re-tighten nut (1) and adjust belt at the proper tension.
6. Re-tighten screws on the side plate.

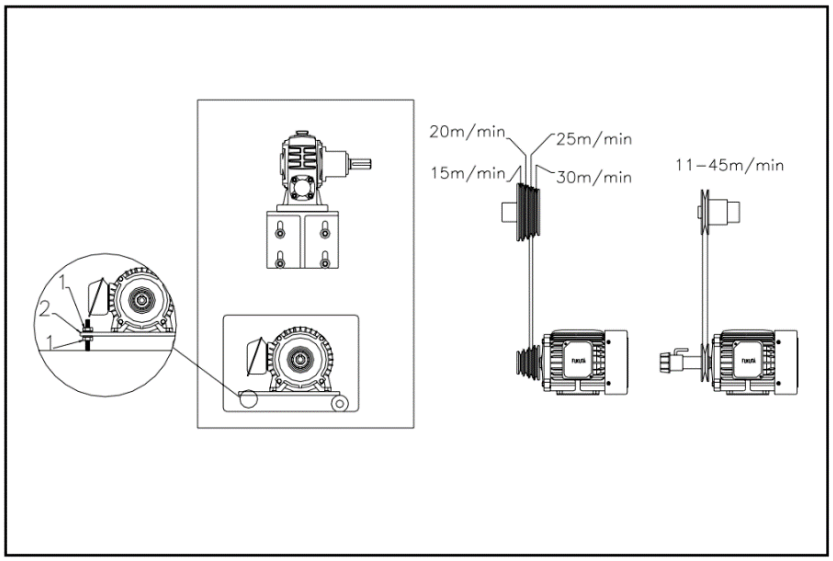


Figure 10–1

10.2 Adjusting V-Belt Tension

1. The machine will require adjustments after a long period of operation; the v-belt may have loosened gradually.
2. Adjust your v-belt with the following procedures:
3. Disconnect the machine from the power source before making any adjustments.
4. Open the rear door panel of the machine.
5. Loosen nut (1) then turn the v-belt tension adjustment screw (2) to adjust the tension.
6. Reverse the above procedures after the v-belt tension has been properly adjusted.

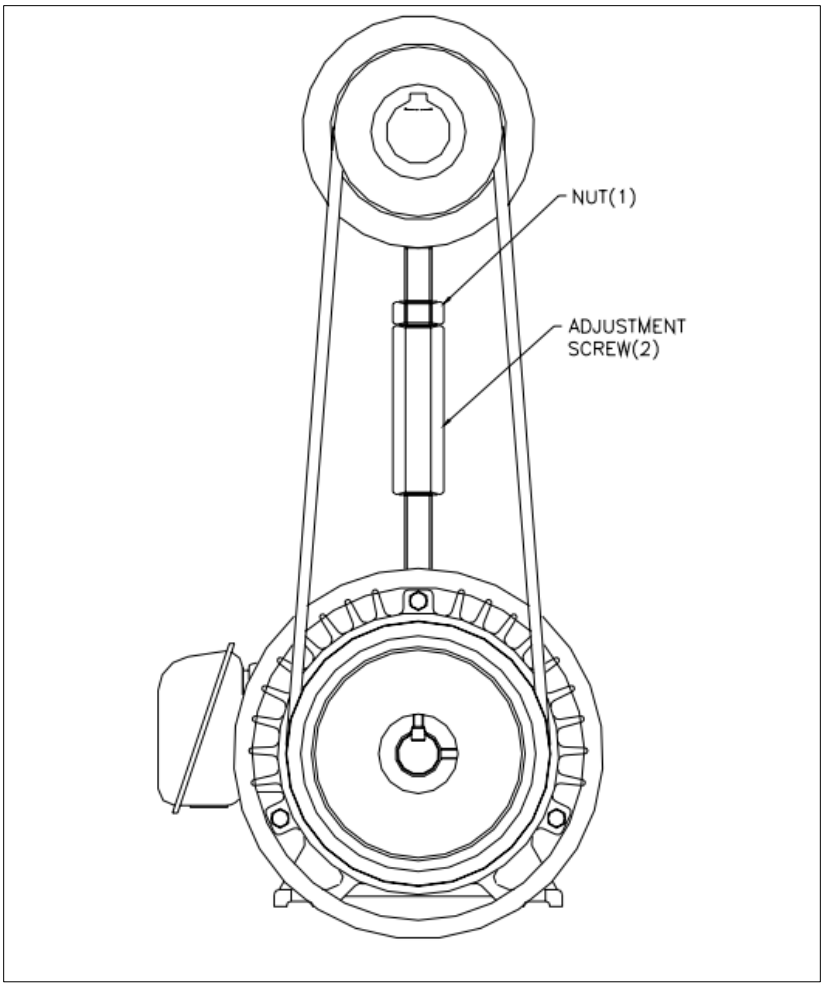


Figure 10–2

11.0 Shapes & Feedings of Wood

Correct Method for Feeding Curved Wood

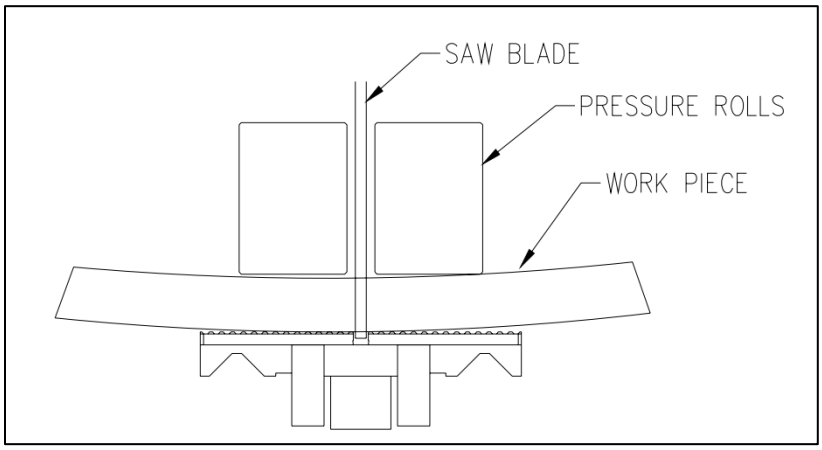


Figure 11–1

The proper method for feeding curved wood is illustrated in Figure 11-1

Correct Method for Feeding Curved Wood with the Curve Upwards

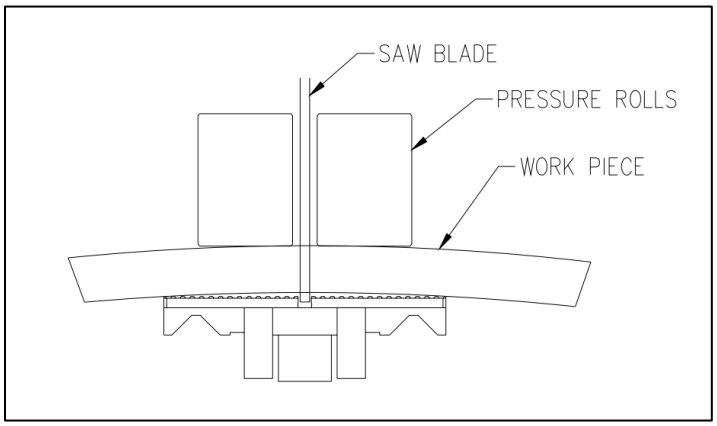
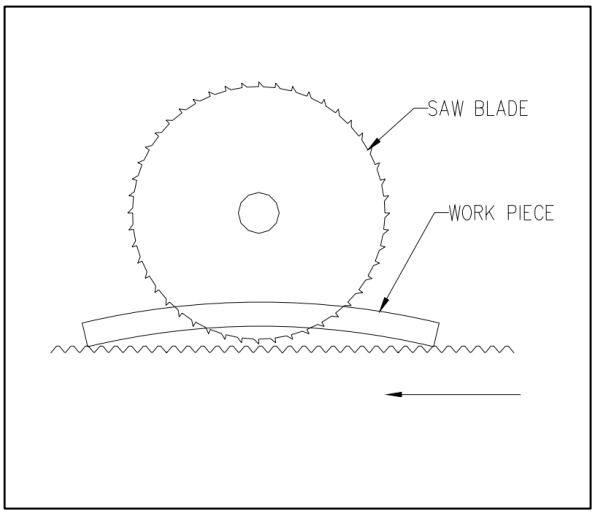


Figure 11–2

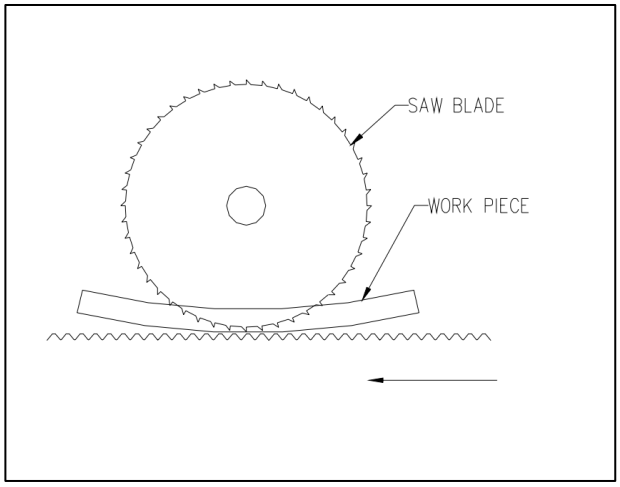
Figure 11-2 represents when curved wood is fed with its curve upwards. The pressure rollers on both sides of the saw will block the curve and the marginal part of wood will most commonly pop out.

Correct Method for Cutting Curved Wood Along it's Curve



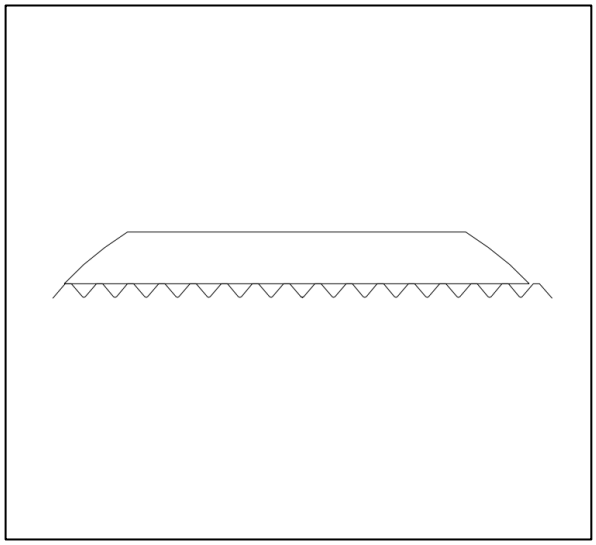
The curve must be placed upwards

Incorrect Method



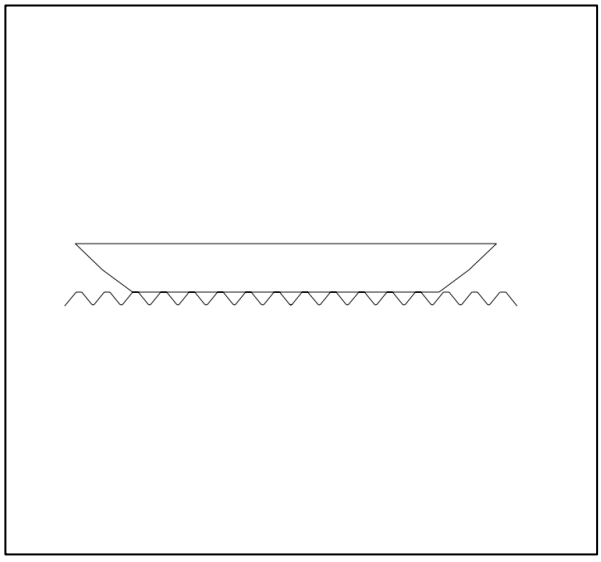
If performed incorrectly, the pressure rollers will not function smoothly, and precision of the object will not result in satisfactory work.

Correct method of feeding wood into machine if the outer covering of wood is to be processed.



If the outer covering of wood is to be processed it must be fed into the machine with the covering facing up.

Incorrect Method



Unsatisfactory results will be achieved if the outer covering is under pressure from the rollers.

12.0 Replacing the Saw Blade

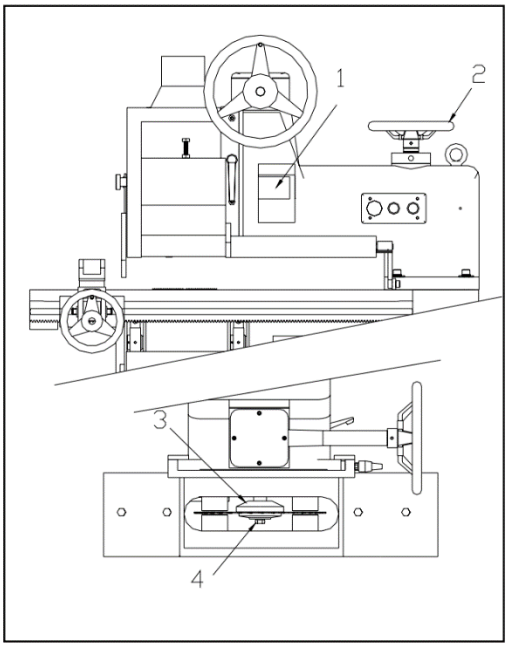
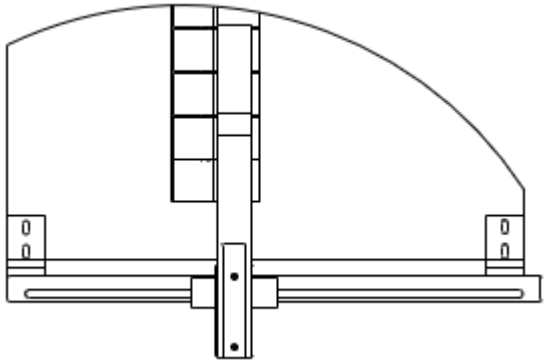


Figure 12–1

1. Disconnect the machine from the power source; verify that the machine has come to a full stop.
2. Loosen the saw arbor lock lever (1) and open the cover of the pressure mechanism.
3.
4. Raise the saw arbor by turning hand wheel (2) until the teeth are 5-10mm higher than the caterpillar.
5. Insert the saw arbor wrench into the spindle shaft (3); rotate the saw blade clamp screw with the T-wrench (4).
6. Remove the saw blade flange and screw; these procedures will allow the loading or unloading of the saw blade.
7. Clean the inner sides of machine, the saw blade and the washer; before replacing with a new saw blade.
8. Reverse the above procedure after blade has been properly installed.
9. Remove T-wrench and saw arbor wrench.
10. The saw blade teeth should be 0.5-1.5mm lower than the caterpillar.
11. Always keep the saw blade sharp in order to reduce the cutting load and ensure the service life of the machine.

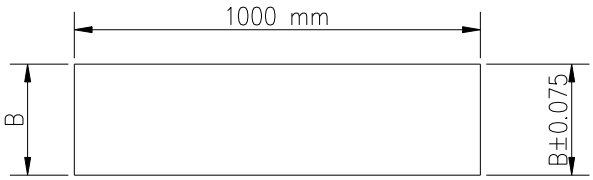
13.0 Cutting Alignment

Correct alignment



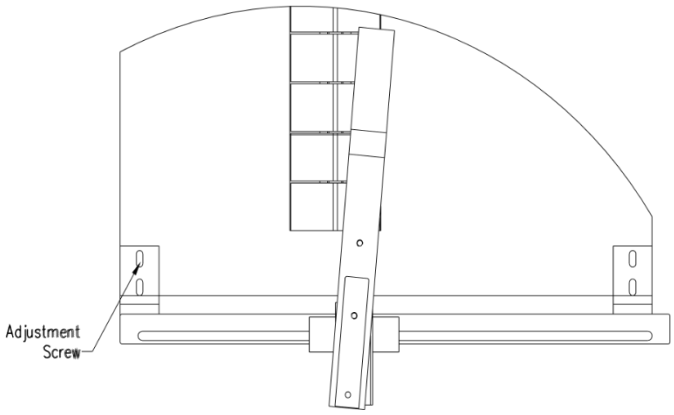
Cutting line must be parallel to the fence.

Cut Result

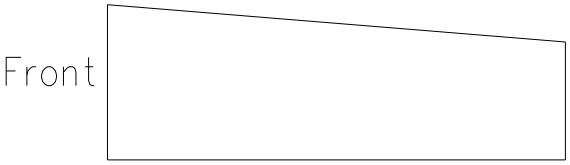


If the cutting line is parallel, the width difference after cut between the front and rear end is ±0.075 mm tolerance is acceptable

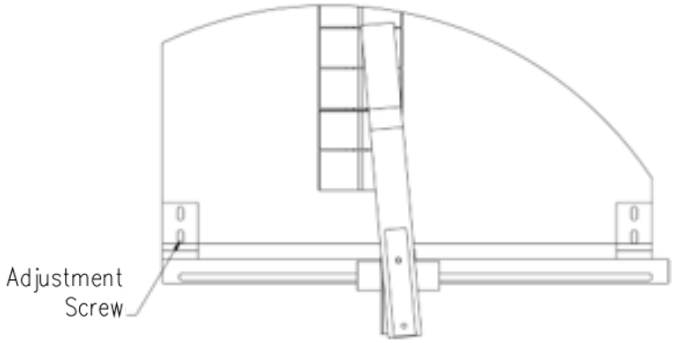
Improper Alignment



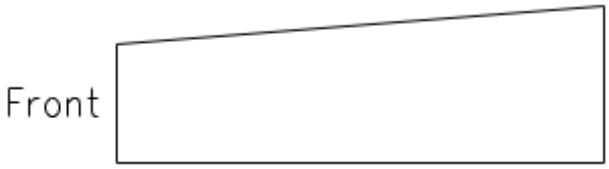
Cut Result



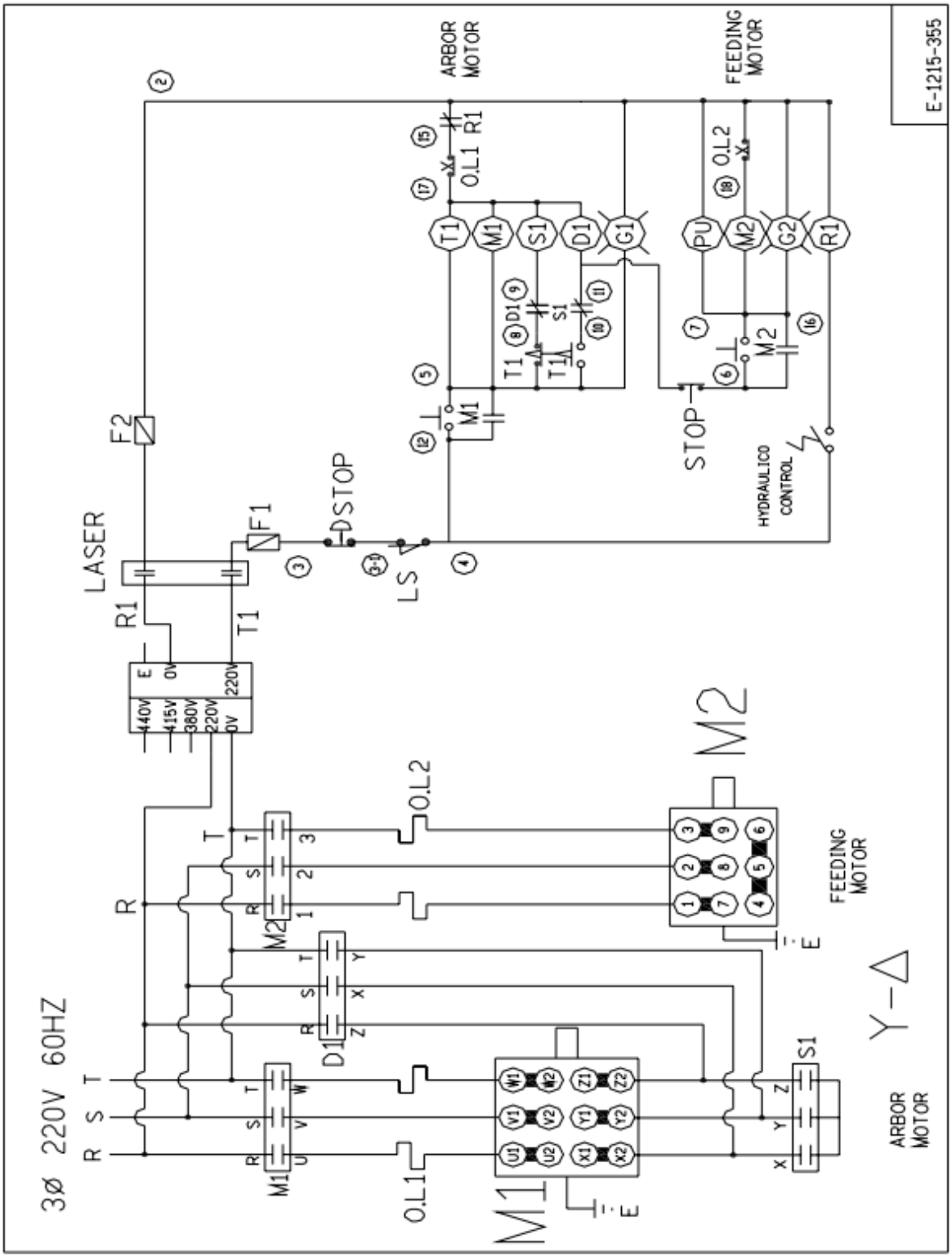
Improper Alignment

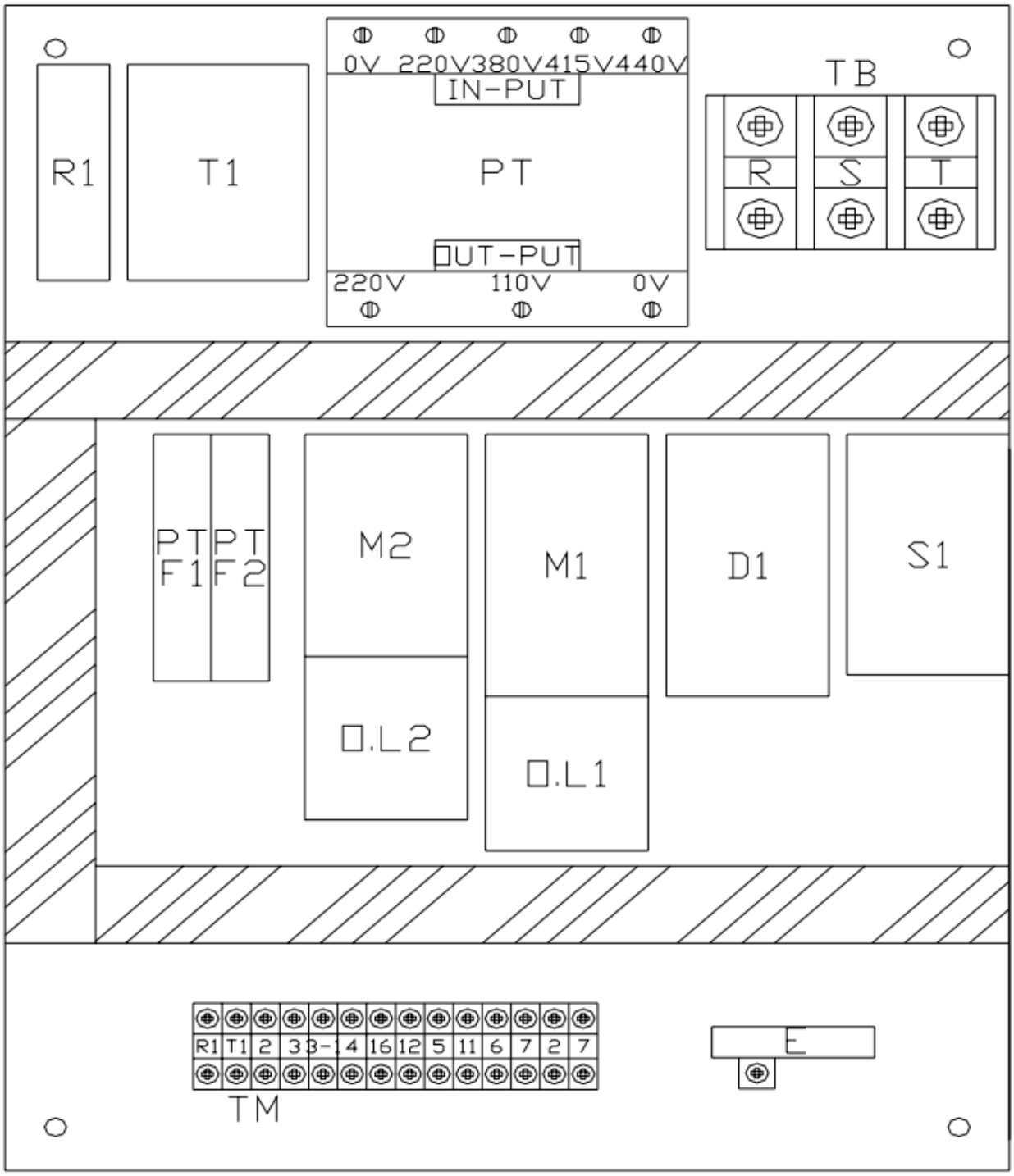


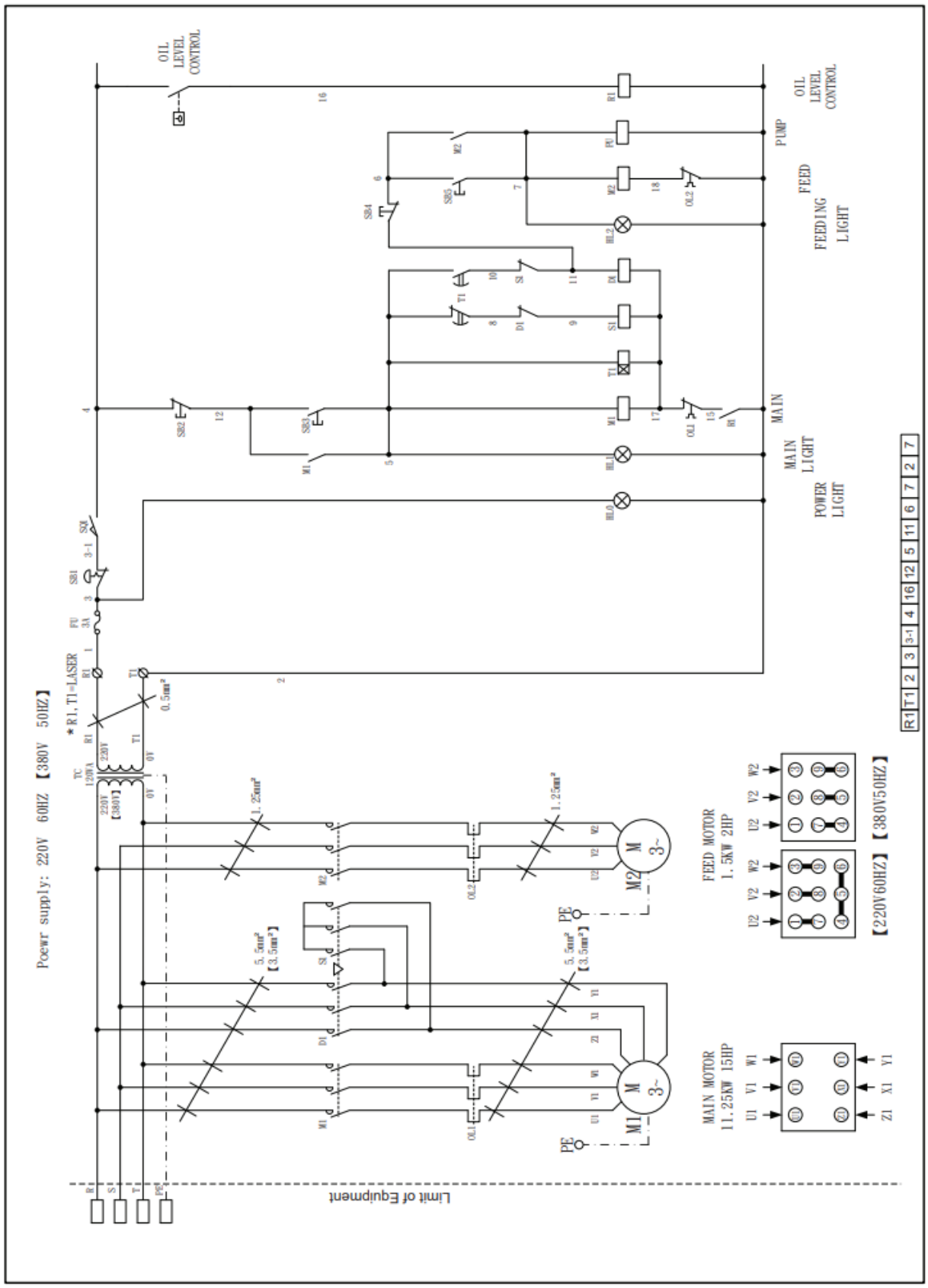
Cut Result



14.0 Wiring Diagram



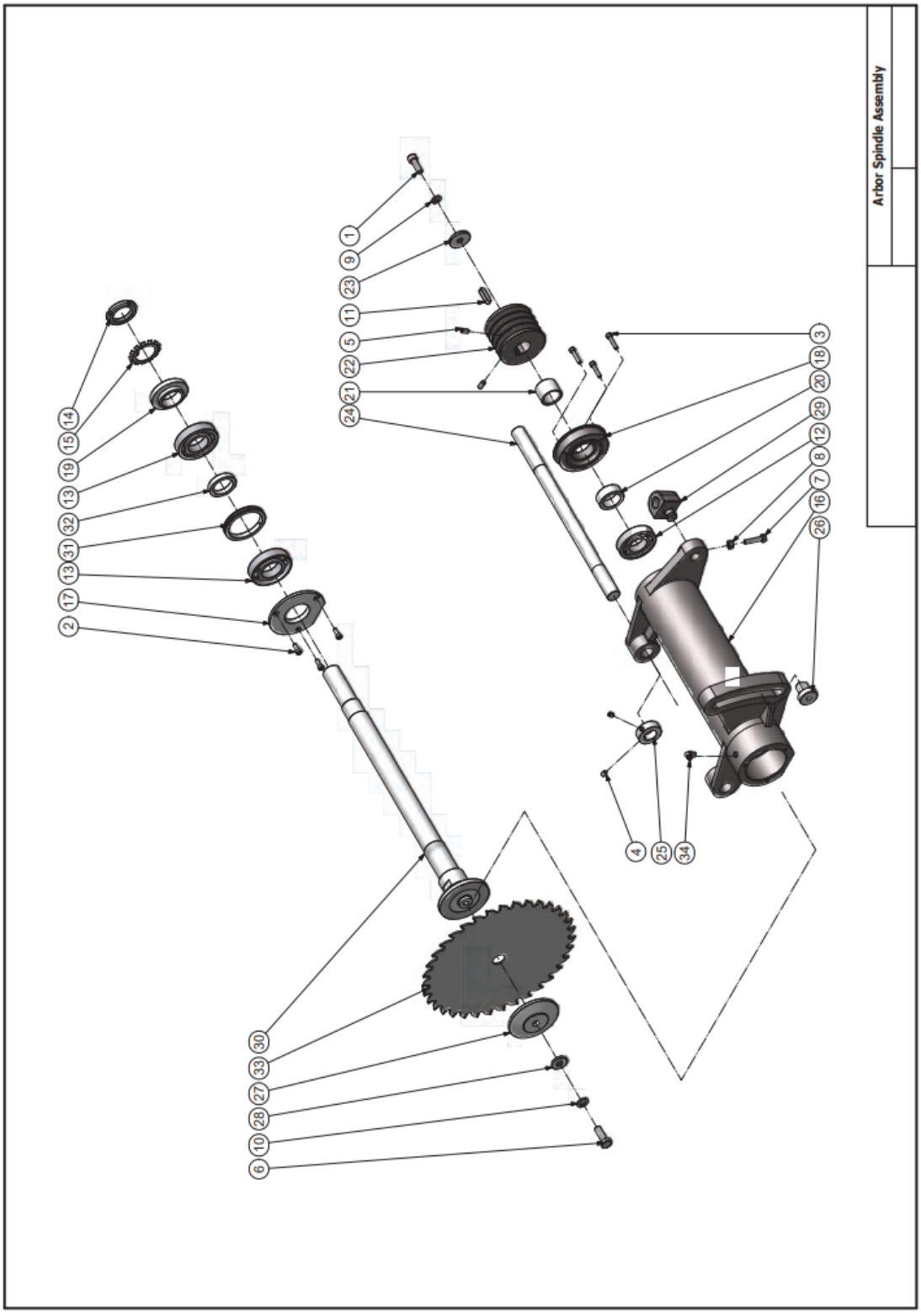

R1
T1
0V 220V380V415V440V
IN-PUT
PT
OUT-PUT
220V 110V 0V
TB
R S T
PT F1
PT F2
M2
M1
D1
S1
O.L2
O.L1
R1 T1 2 33-14 16 12 5 11 6 7 2 7
TM
E


OIL LEVEL CONTROL
PUMP
FEED FEEDING LIGHT
MAIN
MAIN LIGHT
POWER LIGHT
Poewr supply: 220V 60HZ 【380V 50HZ】
* R1, T1=LASER
FEED MOTOR 1.5KW 2HP
【220V60HZ】【380V50HZ】
MAIN MOTOR 11.25KW 15HP
Limit of Equipment
R1 T1 2 3 3-1 4 16 12 5 11 6 7 2 7

NOTES:

15.0 Exploded Parts Diagram & Parts List

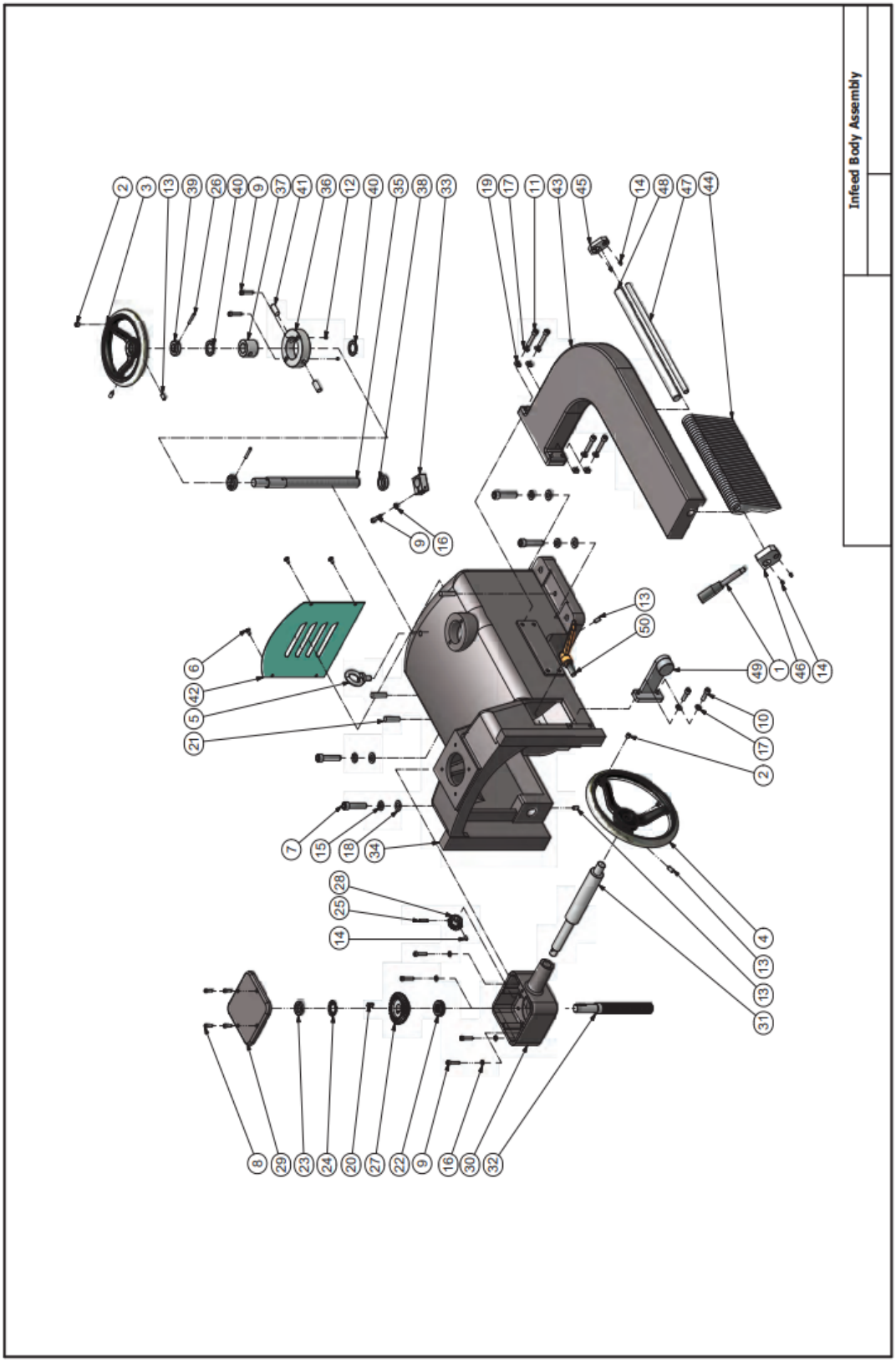
15.1 Arbor Spindle Assembly



PARTS LIST			
NO.	**PART NO.**	**DESCRIPTION**	**QUANTITY**
1	401021105	Cap Screw, M10-30	1
2	401021053	Cap Screw, M6-16	3
3	401021057	Cap Screw, M6-30	3
4	401072049	Set Screw, M8-10	2
5	401072052	Set Screw, M8-16	2
6	401010053	Hex Head Bolt, M12-35	1
7	401010022	Hex Head Bolt, M8-35	1
8	401101005	Hex Nut, M8	1
9	401150005	Lock Washer, 10mm	1
10	401150006	Lock Washer, 12mm	1
11	401230022	Parallel Key, 10-8-36	1
12	403017137	Ball Bearing, 6207-2NK	1
13	403020001	Ball Bearing, 7208	2
14	401120003	Spanner Lock Nut, AN08	1
15	401160003	Ext Tooth Washer, AW08	1
16	RS-3003	Spindle Shaft Box	1
17	RS-3008	Cover, Front	1
18	RS-3009	Cover, Spindle	1

19	RS-3011	Stopper, Front	1
20	RS-3012	Stopper, Rear	1
21	RS-3013	Spacer	1
22	RS-3014	Pulley, Spindle	1
23	RS-3015	Flat Washer	1
24	RS-3016	Shaft	1
25	RS-3018	Set Collar	1
26	RS-3019	Special Nut	1
27	RS-3020	Press Plate	1
28	RS-3021	Special Washer	1
29	RS-3041	Special Nut	1
30	RS-3051	Main Spindle	1
31	RS-3058	Ring	1
32	RS-3059	Ring	1
33	413012108	Saw Blade, 12"-48T-4W	1
34	410030003	Grease Nipples, 1/8"-90	1

15.2 Infeed Body Assembly

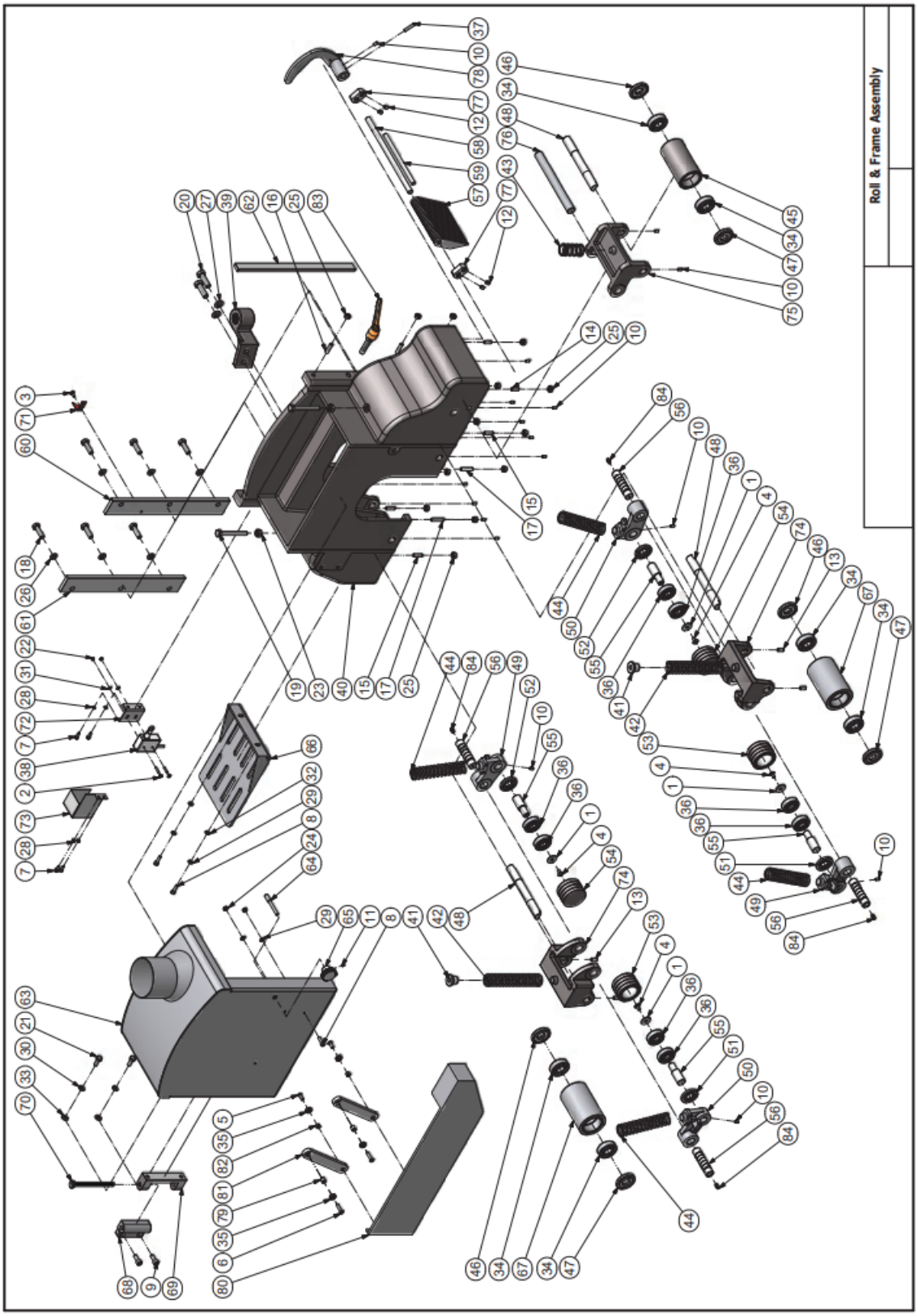


PARTS LIST			
NO.	**PART NO.**	**DESCRIPTION**	**QUANTITY**
1	402010002	Gear Lever Handles, 1162-M10-125	1
2	401072133	Set Screw, 3/8-16-3/8	2
3	402050002	Wandwheel, D200-20	1
4	402050004	Wandwheel, D200-25	1
5	401271004	Lifting Eye Bolt, M12	1
6	401042004	Phillips Head Screw, M5-12	4
7	401021132	Cap Screw, M12-55	4
8	401021030	Cap Screw, M5-16	4
9	401022057	Cap Screw, M6-30	7
10	401022079	Cap Screw, M8-25	2
11	401022082	Cap Screw, M8-40	4
12	401071033	Set Screw, M6-6	2
13	401071052	Set Screw, M8-16	6
14	401071035	Set Screw, M6-10	5
15	401150006	Lock Washer, 12mm	4
16	401150003	Lock Washer, 6mm	5
17	401150004	Lock Washer, 8mm	6
18	401140022	Washer, 12*24	4

19	401140013	Washer, 8*17	4
20	401230004	Parallel Key, 7-7-18	1
21	401220002	Special Taper Pin, 10-45	3
22	403060001	Thrust Bearing, 51104	1
23	401120001	Spanner Lock Nut, AN04	1
24	401160001	Eat Tooth Washer, AW04	1
25	401200002	Spring Pin, 5-25	1
26	401200003	Spring Pin, 5-32	2
27	RH-2020	Bevel Gear, 30T	1
28	RH-2024	Bevel Gear, 14T	1
29	RS-1001	Cover, Gear Box	1
30	RS-1002	Gear Box	1
31	RS-1005	Shaft	1
32	RS-1006	Lead Screw	1
33	RS-1008	Locking Stopper	1
34	RS-3001-2	Lock Seat	1
35	RS-3040	Lead Screw	1
36	RS-3042	Cover	1
37	RS-3043	Bushing	1
38	RS-3044	Special Ring	2
39	RS-3045	Special Ring	1

40	RS-3046	Spacer	2
41	RS-3048	Special Pin	2
42	RS-3056	Cover	1
43	RS-7011-GR3	Seat	1
44	RS-7012-4	Anti-Kickback Finger	36
45	RS-7013-JET-GR	Block	1
46	RS-7014-JET-GR	Block	1
47	RS-7015-JET	Shaft	1
48	RS-7016-JET	Shaft	1
49	RS-7038-GR	Bracket	1
50	402040005	Adjustable Hand Levers, M12-30	1

15.3 Roll and Frame Assembly



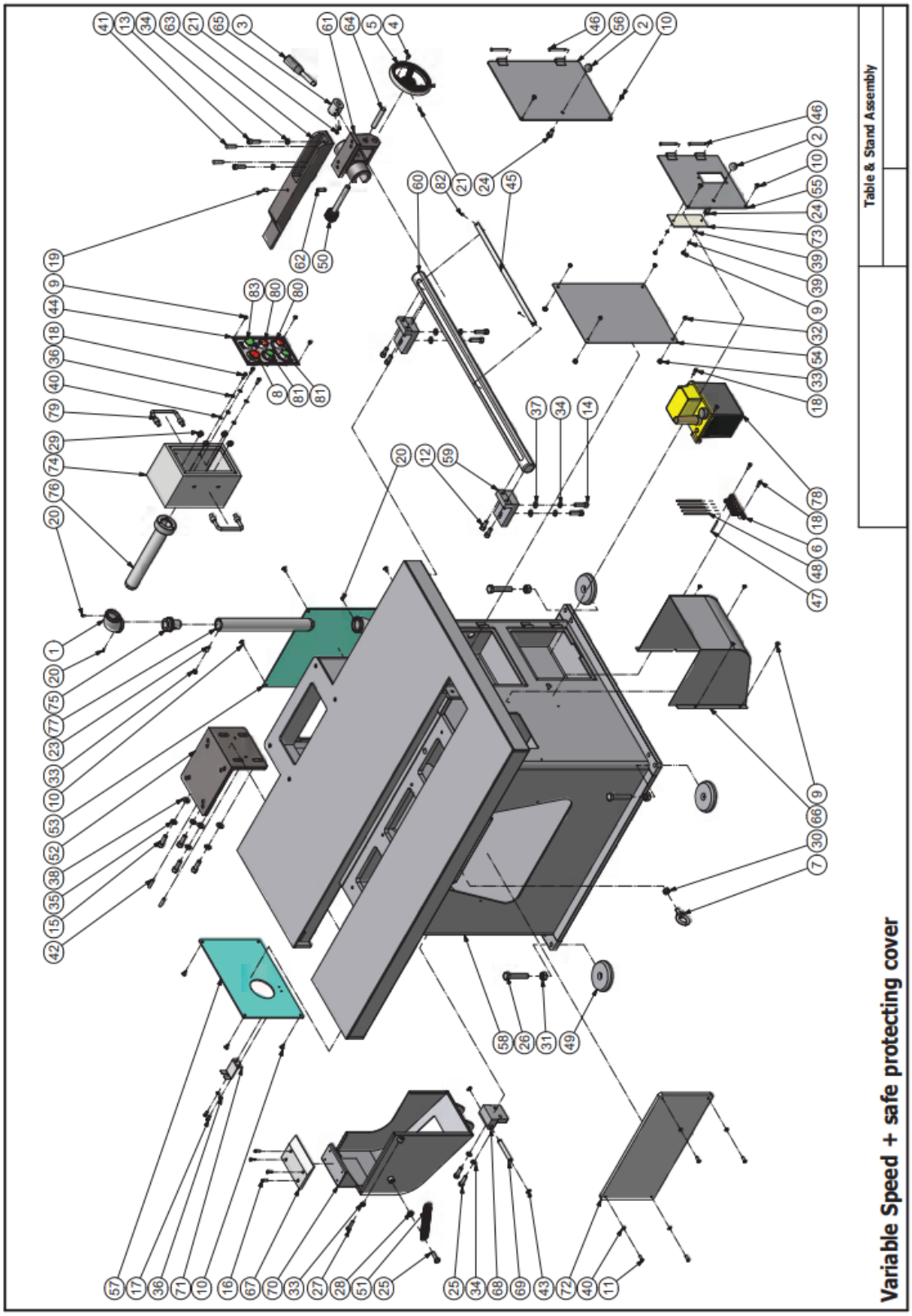
PARTS LIST			
NO.	PART NO.	DESCRIPTION	QUANTITY
1	6.5-25-2.0	Washer, 6.5*25	4
2	401042002	Phillips Head Screw, M4-30	2
3	401042004	Phillips Head Screw, M5-12	1
4	401042010	Phillips Head Screw, M6-12	4
5	401032032	Button Head Screw, M6-16	2
6	401032034	Button Head Screw, M6-25	2
7	401021028	Cap Screw, M5-12	4
8	401022055	Cap Screw, M6-20	3
9	401022078	Cap Screw, M8-20	2
10	401071035	Set Screw, M6-10	17
11	401071033	Set Screw, M6-6	1
12	401071049	Set Screw, M8-10	4
13	401071052	Set Screw, M8-16	4
14	401072054	Set Screw, M8-20	2
15	401072055	Set Screw, M8-25	4
16	401072056	Set Screw, M8-30	3
17	401072057	Set Screw, M8-35	4
18	401010038	Hex Head Bolt, M10-35	6

19	401010043	Hex Head Bolt, M10-80	2
20	401010054	Hex Head Bolt, M12-40	2
21	401010019	Hex Head Bolt, M8-20	2
22	401101002	Hex Nut, M4	2
23	401101006	Hex Nut, M10	2
24	401101004	Hex Nut, M6	3
25	401101005	Hex Nut, M8	13
26	401150005	Lock Washer, 10mm	6
27	401150006	Lock Washer, 12mm	2
28	401150002	Lock Washer, 5mm	4
29	401150003	Lock Washer, 6mm	5
30	401150004	Lock Washer, 8mm	2
31	401140001	Washer, 4*9	2
32	401140010	Washer, 6*13	2
33	401140004	Washer, 8*17	2
34	403015134	Ball Bearing, 6204-2NSE	6
35	403070001	Ball Bearing, 696-ZZ	4
36	403015162	Ball Bearing, 6302-2NSE	8
37	401200019	Spring Pins, 6-28	1
38	416040001	Limit Switch TZ7311	1
39	RS-1007	Bracket	1

40	RS-2001-GR2	Roller Seat	1
41	RS-2002	Spring Seat	2
42	RS-2003	Wire Spring, 155mm	2
43	RS-2003-JO	Wire Spring, 55mm	1
44	RS-2004	Wire Spring, 135mm	4
45	RS-2006-GR	Roller	1
46	RS-2007	Bearing Cover, Right	3
47	RS-2008	Bearing Cover, Left	3
48	RS-2009	Shaft	3
49	RS-2010	Arm, Left	2
50	RS-2011	Arm, Right	2
51	RS-2012	Bearing Cover, Left	2
52	RS-2013	Bearing Cover, Right	2
53	RS-2014	Roller, Left	2
54	RS-2015	Roller, Right	2
55	RS-2016	Shaft	4
56	RS-2017	Shaft	4
57	RS-2022_1	Anti-Kickback Finger	29
58	RS-2023-GR	Shaft	1
59	RS-2025	Shaft	1
60	RS-2029	Lock Bar	1
61	RS-2030	Lock Bar	1

62	RS-2031	Slide Plate	1
63	RS-2034-GR	Chip Funnel	1
64	RS-2039	Knob Screw, M10-20	1
65	RS-2040	Knob	1
66	RS-2083-1	Back Safety Guard	1
67	RS-2094-JET	Roller	2
68	RS-2095-GR	Hinge (Small)	1
69	RS-2096-GR	Hinge (Big)	1
70	RS-2097-GR	Shaft	1
71	RS-5034	Needle	1
72	RS-5036	Bracket	1
73	RS-5037	Cover	1
74	RS-6021-JET	Roller Seat	2
75	RS-6025-JET	Roller	1
76	RS-6026-GR	Shaft	1
77	RS-7003-JET	Block	2
78	RS-7037-8	Bracket, 100mm	1
79	RS-8052	Bushing	2
80	RS-8053	Side Guard	1
81	RS-8054	Wobble Arm	2
82	RS-8055	Bushing	2
83	402040004	Adjustable Hand Lever, M12-45	1
84	410030001	Grease Nipples, M6	4

15.4 Table and Stand Assembly



PARTS LIST			
NO.	**PART NO.**	**DESCRIPTION**	**QUANTITY**
1	410020002	Elbow, 1-1/4PT	1
2	402060001	Ball Knobs 1110-25-M10	2
3	402010009	Gear Lever Handles, 7108-M12-138	1
4	401072133	Set Screw, 3/8-16-3/8	1
5	402050001	Wandwheel, D150	1
6	417020001	Contactor, Lubrication DB-7	1
7	401271004	Lifting Eye Bolt, M12	1
8	416010011	Emergency Stop	1
9	401042008	Phillips Head Screw, M5-8	10
10	401042101	Phillips Head Screw, M6-12	12
11	401032033	Button Head Screw, M6-20	4
12	401021104	Cap Screw, M10-25	4
13	401021106	Cap Screw, M10-35	2
14	401021107	Cap Screw, M10-40	4
15	401021128	Cap Screw, M12-35	4
16	401022030	Cap Screw, M5-16	4
17	401022051	Cap Screw, M6-12	2
18	401021053	Cap Screw, M6-16	7

19	401071065	Set Screw, M10-16	1
20	401072035	Set Screw, M6-10	3
21	401072049	Set Screw, M8-10	4
22	401072052	Set Screw, M8-16	2
23	401072054	Set Screw, M8-20	1
24	401010035	Hex Head Both, M10-20	2
25	401010038	Hex Head Both, M10-35	3
26	401010070	Hex Head Both, M16-80	4
27	401010022	Hex Head Both, M8-35	1
28	401101006	Hex Nut, M10	1
29	401101013	Hex Nut, M10 x 1.25	4
30	401101007	Hex Nut, M12	1
31	401101012	Hex Nut, M16	4
32	401101004	Hex Nut, M6	4
33	401101005	Hex Nut, M8	6
34	401150005	Lock Washer, 10mm	8
35	401150006	Lock Washer, 12mm	4
36	401150003	Lock Washer, 6mm	5
37	401140005	Washer, 10*21	4
38	401140014	Washer, 12*24	4
39	401140023	Washer, 5*10	4
40	401140003	Washer, 6*13	7

41	401220002	Taper Pins, 10-40	2
42	401220001	Taper Pins, 7-35	2
43	401252007	Retaining Rings For Shaft, S12	2
44	K-026	Panel	1
45	K-036	Scale, 480mm	1
46	KT02	Shaft, Hinge	4
47	410050005	Oil Tube, 4x2.5-270	1
48	410050010	Oil Tube, 4x2.5-700	5
49	RH-1015	Cast Iron Feet	4
50	RS-1033-GR	Gear	1
51	RS-2100	Tension Spring, 150	1
52	RS-3047	Bracket	1
53	RS-4001-2_A	Cover	1
54	RS-4001-2_C	Plank, Electrical Box	1
55	RS-4001-2_D	Cover	1
56	RS-4001-2_E	Cover	1
57	RS-4001-2_F	Cover	1
58	RS-4001-JO	Stand	1
59	RS-4016	Bracket	2
60	RS-4017	Column Gear	1
61	RS-4019-GR3	Gear Box	1
62	RS-4025	Special Screw	1
63	RS-4028-GR1	Fence	1

64	RS-4031-GR	Shaft	1
65	RS-4032-GR	Setting Block	1
66	RS-5009	Cover	1
67	RS-5017	Cover Plate	1
68	RS-5018	Backet	1
69	RS-5019	Shaft	1
70	RS-5032	Cover	1
71	RS-5035	Bracket	1
72	RS-6008	Cover	1
73	RS-6013	Acrylic Piece	1
74	RS-7030-JET	Switch Box	1
75	RS-7031-JET-GR	Rotation Seat	1
76	RS-7032-JET	Arm, Control Box	1
77	RS-7033-JO	Arm, Control Box	1
78	417010001	Lubricator, SMA-602-5FB	1
79	402020004	"U" Collapsible Handle, A-42-A-3/8"	2
80	416010013	Button, OFF	2
81	416010012	Button, ON	2
82	401280002	Rivet, #3-5	2
83	416010014	Electric Power Button	1

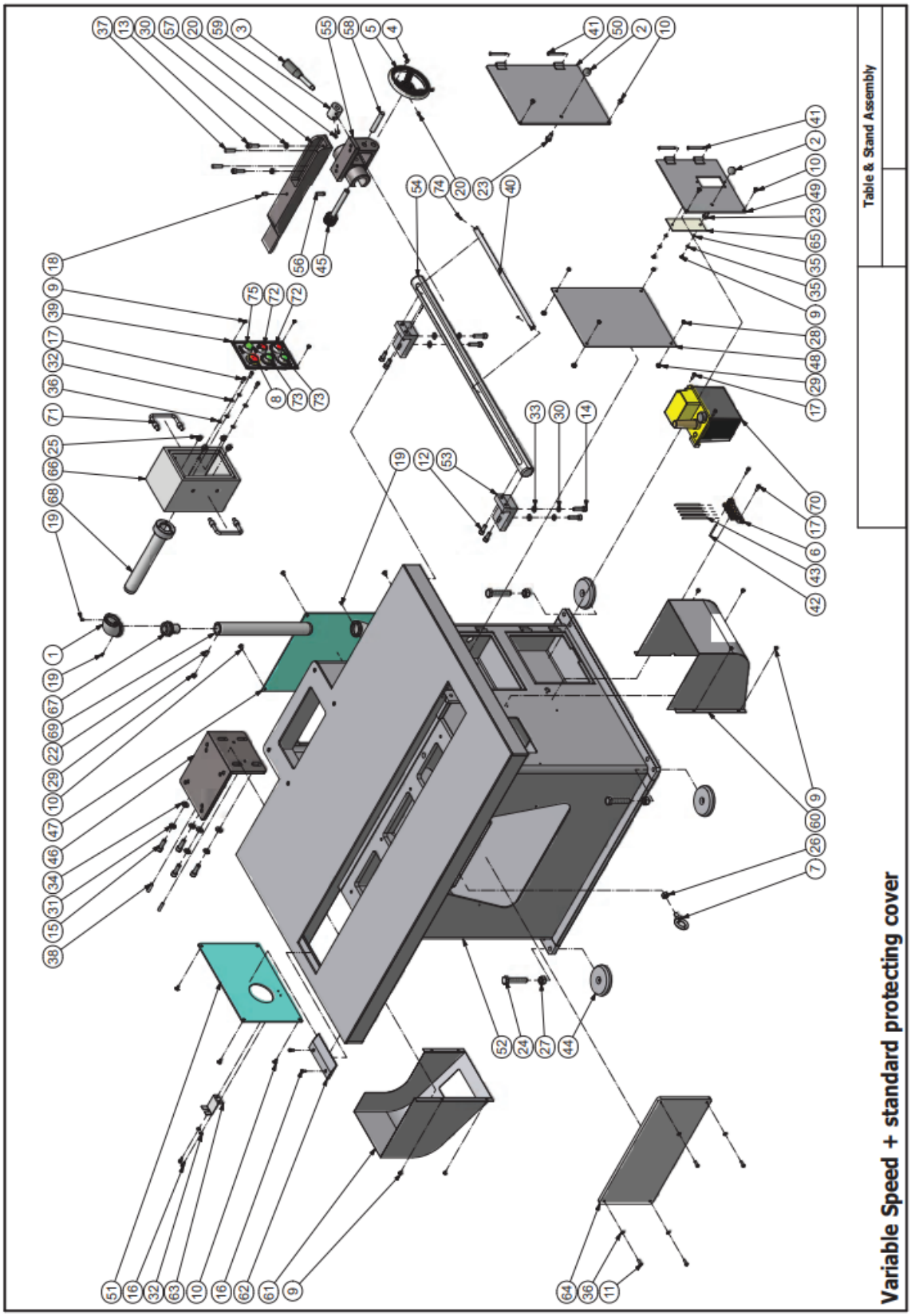


Table & Stand Assembly
Variable Speed + standard protecting cover

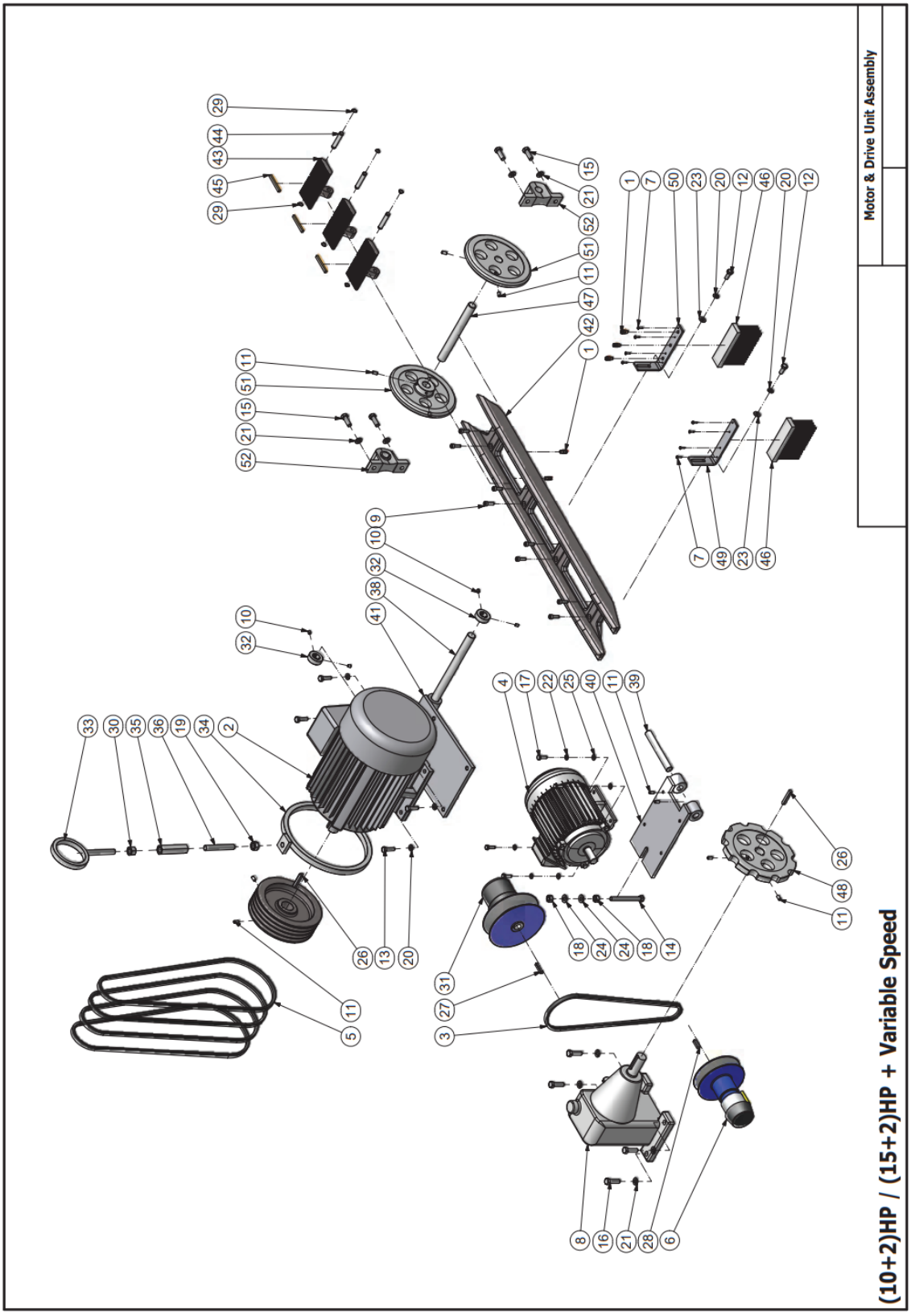
PARTS LIST			
NO.	**PART NO.**	**DESCRIPTION**	**QUANTITY**
1	410020002	Elbow, 1-1/4PT	1
2	402060001	Ball Knobs 1110-25-M10	2
3	402010009	Gear Lever Handles, 7108-M12-138	1
4	401072133	Set Screw, 3/8-16-3/8	1
5	402050001	Wandwheel, D150	1
6	417020001	Contactor, Lubrication DB-7	1
7	401271004	Lifting Eye Bolt, M12	1
8	416010011	Emergency Stop	1
9	401042008	Phillips Head Screw, M5-8	13
10	401042101	Phillips Head Screw, M6-12	12
11	401032033	Button Head Screw, M6-20	4
12	401021104	Cap Screw, M10-25	4
13	401021106	Cap Screw, M10-35	2
14	401021107	Cap Screw, M10-40	4
15	401021128	Cap Screw, M12-35	4
16	401021052	Cap Screw, M6-12	4
17	401021053	Cap Screw, M6-16	7

18	401071065	Set Screw, M10-16	1
19	401072035	Set Screw, M6-10	3
20	401072049	Set Screw, M8-10	4
21	401072052	Set Screw, M8-16	2
22	401072054	Set Screw, M8-20	1
23	401010035	Hex Head Both, M10-20	2
24	401010070	Hex Head Both, M16-80	4
25	401101013	Hex Nut, M10 x 1.25	4
26	401101007	Hex Nut, M12	1
27	401101012	Hex Nut, M16	4
28	401101004	Hex Nut, M6	4
29	401101005	Hex Nut, M8	5
30	401150005	Lock Washer, 10mm	6
31	401150006	Lock Washer, 12mm	4
32	401150003	Lock Washer, 6mm	5
33	401140005	Washer, 10*21	4
34	401140014	Washer, 12*24	4
35	401140023	Washer, 5*10	4
36	401140003	Washer, 6*13	7
37	401220002	Taper Pins, 10-40	2
38	401220001	Taper Pins, 7-35	2

39	K-026	Panel	1
40	K-036	Scale, 480mm	1
41	KT02	Shaft, Hinge	4
42	410050005	Oil Tube, 4x2.5-270	1
43	410050010	Oil Tube, 4x2.5-700	5
44	RH-1015	Cast Iron Feet	4
45	RS-1033-GR	Gear	1
46	RS-3047	Bracket	1
47	RS-4001-2_A	Cover	1
48	RS-4001-2_C	Plank, Electrical Box	1
49	RS-4001-2_D	Cover	1
50	RS-4001-2_E	Cover	1
51	RS-4001-2_F	Cover	1
52	RS-4001-JE	Stand	1
53	RS-4016	Bracket	2
54	RS-4017	Column Gear	1
55	RS-4019-GR3	Gear Box	1
56	RS-4025	Special Screw	1
57	RS-4028-GR1	Fence	1
58	RS-4031-GR	Shaft	1
59	RS-4032-GR	Setting Block	1

60	RS-5009	Cover	1
61	RS-5031	Cover	1
62	RS-5033	Bracket	1
63	RS-5035	Bracket	1
64	RS-6008	Cover	1
65	RS-6013	Acrylic Piece	1
66	RS-7030-JET	Switch Box	1
67	RS-7031-JET-GR	Rotation Seat	1
68	RS-7032-JET	Arm, Control Box	1
69	RS-7033-JO	Arm, Control Box	1
70	417010001	Lubricator, SMA-602-5FB	1
71	402020004	"U" Collapsible Handle, A-42-A-3/8"	2
72	416010013	Button, OFF	2
73	416010012	Button, ON	2
74	401280002	Rivet, #3-5	2
75	416010014	Electric Power Button	1

15.5 Motor & Drive Unit Assembly



PARTS LIST			
NO.	**PART NO.**	**DESCRIPTION**	**QUANTITY**
1	410010008	Handy Couplings, 1/8"-4mm	5
2	132M4P	Motor, 10HP/15HP	1
3	405020003	Cog Tooth Belt, 1220VB30-22	1
4	90L4P	Motor, 2HP	1
5	405010002	V-Bell, A-55	4
6	405120203	Reducer Pulley, AH2-24	1
7	401060001	Phillips Head Sheet Metal Screw, #8-3/4"	8
8	406060125	Reducer Worm Gear, B-80-1/50	1
9	401022079	Cap Screw, M8-25	8
10	401072051	Set Screw, M8-10	4
11	401072052	Set Screw, M8-16	10
12	401010036	Hex Head Bolt, M10-25	2
13	401010039	Hex Head Bolt, M10-35	4
14	401011008	Hex Head Bolt, M12-110	1
15	401010053	Hex Head Bolt, M12-35	4
16	401010054	Hex Head Bolt, M12-40	4
17	401010020	Hex Head Bolt, M8-25	4

18	401101007	Hex Nut, M12	2
19	401101012	Hex Nut, M16	1
20	401150005	Lock Washer, 10mm	6
21	401150006	Lock Washer, 12mm	8
22	401150004	Lock Washer, 8mm	4
23	401140005	Washer, 10*21	2
24	401140014	Washer, 12*24	2
25	401140004	Washer, 8*17	4
26	401230027	Parallel Key, 10-8-56	2
27	401230015	Parallel Key, 7-7-40	1
28	401230005	Parallel Key, 8-7-32	1
29	401252007	Retaining Rings For Shaft, S12	76
30	M 16 - LEFT	Hex Nut, M16-Left	1
31	405120207	Reducer Pulley, PH2-22	1
32	RS-3018	Set Collar	2
33	RS-3022	Spec Eye-Bolt	1
34	RS-3023	Adjusting Ring	1
35	RS-3024	Special Nut, M16-LH/RH	1
36	RS-3026	Special Bolt, M16-110	1
37	RS-3028	Pulley	1
38	RS-3032-JET	Shaft	1

39	RS-3036	Shaft	1
40	RS-3052	Motor Seat, 2HP	1
41	RS-3053	Motor Seat, 10HP	1
42	RS-4005	Rail Body	1
43	RS-4006-C	Caterpillar Block	38
44	RS-4007	Shaft	38
45	RS-4030-A	Bakelite	38
46	RS-5007	Brush	2
47	RS-5013	Shaft	1
48	RS-5022	Sprocket 10T	1
49	RS-5028	Brace	1
50	RS-5029	Brace	1
51	RS-5030	Idle Wheel	2
52	403100001	Ball Bearing Assembly, UCP205	2

16.0 Maintenance

The RS|12 Straight Line Rip Saw requires the operator to perform basic regular maintenance to ensure the normal operation of the equipment, reduce possible failures, and prolong the service life of the equipment. Follow this maintenance table to ensure proper use of the machine.

Lubricator should be verified daily before starting work operations; this will ensure normal functions at all times. A lubrication failure may cause serious damage to the machine, if the lubricator is damaged; stop machine operations immediately in order to prevent damage to the caterpillar.

The lubricator of this machine has been designed with a safety device in order to ensure a longer service life. When the oil is under the minimum requirement amount it will shut off the machine immediately, fill up the lubricator in order to re-start your machine

Table 16-1: Maintenance Table

Daily	Weekly	Monthly	Every 100 Hours of use	Every 200 Hours of use
Clean the interior of the oil box.			Refill the gear reducer with 80 weight gear oil. (any generic brand will work) Refill to at least half capacity.	Change the oil with 90 weight gear oil. (any generic brand will work) Refill to at least half capacity.
Lubricate the caterpillar chain with 80 weight gear oil. (any generic brand will work)			Adjust the V-belt tension where the deflection is ¼” to 3/8”	
Clean and dust the machine from debris.			Inspect and verify that pulleys are smoothly working	

17.0 Troubleshooting

Problem	Cause(s)	Solution(s)
Machine is not cutting accurately.	• Not enough lubrication • Recycled or incorrect oil was used for lubrication	• Fill the gear reducer with new 80 weight gear oil • Clean and refill the oil tank with new 80 weight gear oil.
Machine is making excessive noise	• Low oil level • Recycled or incorrect oil was used	• Fill the gear reducer with new 80 weight gear oil • Refill the oil tank with new, unrecycled 80 weight gear oil
Gears are wearing down fast	• Low oil level • Recycled or incorrect oil was used	• Lubricate the machine • Refill the oil tank with new, unrecycled oil.
Oil Leaking	• Excessive oil is in the gear reducer • Loose bolts causing oil to leak from crevice(s)	• Remove some oil from the gear reducer • Tighten all bolt(s)
Excessive heat	• V-belt tension is too tight	• Loosen the V-belt tension • Verify deflection is ¼” to 3/8” • Replace V-belt if worn or damaged
Blade stops or slows	• V-belt is too tight or too loose • V-belt is too worn or damaged	• Tighten or loosen the V-belt • Verify deflection is ¼” to 3/8” • Replace V-belt if worn or damaged
Squealing noise	• V-belt is too loose • V-belt is worn or damaged • Pulleys are damaged	• Tighten the V-belt tension • Verify deflection is ¼” to 3/8” • Replace V-belt if worn or damaged • Replace pulleys

NOTES:

Warranties

Dealer Machinery Warranty

New woodworking machines sold by Laguna Tools carry a two-year warranty effective from the date of dealer invoice to customer/end-user. Machines sold through dealers must be registered with Laguna Tools within thirty (30) days of purchase to be covered by this warranty. Laguna Tools guarantees all new machines sold to be free of manufacturers' defective workmanship, parts, and materials. We will repair or replace, without charge, any parts determined by Laguna Tools, Inc. to be a manufacturer's defect. We require that the defective item/part be returned to Laguna Tools with the complaint. The end-user must request a Return Material Authorization (RMA) number from Customer Service. Include the RMA number with any and all returned parts/components requesting warranty coverage*. Any machines returned to Laguna Tools must be returned with packaging in the same manner in which it was received. A part or blade is being returned must have adequate packaging to ensure it is not damaged during shipping. In the event the item/part is determined to be damaged due to lack of maintenance, cleaning, or misuse/abuse, the customer will be responsible for the cost to replace the item/part, plus all related shipping charges. This limited warranty does not apply to natural disasters, acts of terrorism, normal wear and tear, product failure due to lack of maintenance or cleaning, damage caused by accident, neglect, lack of or inadequate dust collection, misuse/abuse or damage caused where repair or alterations have been made or attempted by others.

* The issue of an RMA number is for reference only; it DOES NOT indicate acceptance of the warranty claim.

CNC Limited Warranty

New CNC machines sold by Laguna Tools carry a one-year warranty effective from the date of shipping. Laguna Tools guarantees all new machines sold to be free of manufacturers' defective workmanship, parts, and materials. We will repair or replace, without charge, any parts determined by Laguna Tools, Inc. to be a manufacturer's defect. If the defective item/part is determined to be damaged due to lack of maintenance, cleaning or misuse/abuse, the customer will be responsible for the cost to replace the item/part, plus all related shipping charges. This limited warranty does not apply to natural disasters, acts of terrorism, normal wear and tear, product failure due to lack of maintenance or cleaning, damage caused by accident, neglect, lack of or inadequate dust collection, misuse/abuse or damage caused where repair or alterations have been made or attempted by others.

Laguna Tools, Inc. is not responsible for additional tools or modifications sold or performed (other than from/by Laguna Tools, Inc.) on any Laguna Tools, Inc. woodworking machine. Warranty may be voided upon the addition of such described tools and/or modifications, determined on a case-by-case basis.

Software purchased through Laguna Tools, Inc., is not covered under this warranty and all technical support must be managed through the software provider. Normal user alignment, adjustment, tuning, and machine settings are not covered by this warranty. It is the responsibility of the user to understand basic woodworking machinery settings and procedures and to properly maintain the equipment in accordance with the standards provided by the manufacturer.

Parts under warranty are shipped at Laguna Tools, Inc.'s cost either by common carrier, FEDEX ground service, or a similar method. Technical support to install replacement parts is primarily provided by phone, fax, e-mail or Laguna Tools Customer Support Website. The labor required to install replacement parts is the responsibility of the user. Laguna Tools is not responsible for damage or loss caused by a freight company or other circumstances not in our control. All claims for loss or damaged goods must be notified to Laguna Tools within twenty-four (24) hours of delivery.

Please contact our Customer Service Department for more information. Only NEW machines sold to the original owner are covered by this warranty.

For warranty repair information, call 1-800-332-4094.

No Modifications Allowed or Sold

Laguna Tools, Inc. is not responsible for additional tools or modifications sold or performed (other than from/by Laguna Tools, Inc.) on any Laguna Tools, Inc. woodworking machine. Warranty may be voided upon the addition of such described tools and/or modifications, determined on a case-by-case basis. Normal user alignment, adjustment, tuning, and machine settings are not covered by this warranty. It is the responsibility of the user to understand basic woodworking machinery settings and procedures and to properly maintain the equipment in accordance with the standards provided by the manufacturer. Parts, under warranty, are shipped at Laguna Tools, Inc.'s cost either by common carrier, FEDEX ground service or a similar method. Technical support to install replacement parts is primarily provided by phone, fax, e-mail, or Laguna Tools Customer Support Website. The labor required to install replacement parts is the responsibility of the user. Laguna Tools is not responsible for damage or loss caused by a freight company or other circumstances not in our control. All claims for loss or damaged goods must be notified to Laguna Tools within twenty-four (24) hours of delivery. Please contact our Customer Service Department for more information. Only new machines sold to the original owner are covered by this warranty.

For warranty repair information call 1-800-332-4094.

Laguna Tools Warranty

WARRANTY & REGISTRATION

THANK YOU!

Welcome to the Laguna Tools® group of discriminating woodworkers. We understand that you have a choice of where to purchase your machines and appreciate the confidence you have in the Laguna Tools® brand.

Through hands-on experience, Laguna Tools® is constantly working hard to make innovative, precision products. Products that inspire you to create works of art, are a joy to operate, and encourage your best work.

Laguna Tools®
Imagination, Innovation, and Invention at Work

WARRANTY & REGISTRATION

Every product sold is warranted to be free of manufacturers' defective workmanship, parts, and materials. For any questions about this product, the intended use or what it was designed for, customer service, or replacement parts, please contact our customer service department:

Laguna Tools® Customer Service
744 Refuge Way, Grand Prairie, Texas 75050, USA
1-800-234-1976
customerservice@lagunatools.com
www.lagunatools.com/why/customer-service/
8AM. to 5PM PST, Monday through Friday

For warranty claims or to report damage upon receiving – please reach out to our warranty department:

Laguna Tools® Warranty Service
744 Refuge Way, Grand Prairie, Texas 75050, USA
1-800-332-4049
customerservice@lagunatools.com
www.lagunatools.com/rpolicies/warranty
8AM to 5PM PST, Monday through Friday

REGISTRATION

To prevent voiding this warranty, all products sold must be registered within thirty (30) days of receiving the product. Registering the product will enable the original purchaser to receive notifications about important product changes, receive customer service, and be able to file a warranty claim against defective workmanship, parts, or materials.

REGISTER HERE!

https://lagunatools.com/policies/warranty/

WHO IS COVERED

The applicable warranty covers only the initial purchaser of the product from the date of receiving the product. To file such claims, the original purchaser must present the original receipt as proof of purchase.

WHAT IS COVERED

The warranty covers any defects in the workmanship of all parts and materials that make up the machine unless otherwise specified. Any part, determined by Laguna Tools®, to have a defect will be repaired or replaced (and shipped), without charge. The defective item/part must be returned to Laguna Tools® with the complaint and proof of purchase in the original packaging that it was received in. In the event the item/part is determined to be not covered by this warranty, the customer will be responsible for the cost to replace the item/part and all related shipping charges.

WARRANTY LIMITATIONS

This limited warranty does not apply to natural disasters, acts of terrorism, normal wear and tear, product failure due to lack of maintenance or cleaning, damage caused by accident, neglect, or lack-of inadequate dust collection. The warranty may be voided against proof of misuse/abuse, damage caused where repair or alterations have been made or attempted by others, using the product for purposes other than those described as intended use (unless with consent by Laguna Tools®), modification to the product, or use with an accessory that was not designed for the product. It is the responsibility of the user to understand basic woodworking machinery settings and procedures and to properly maintain the equipment in accordance with the standards provided in this manual.

LENGTH OF WARRANTY

All new machines and optional accessories sold through an authorized dealer carry a two-year warranty effective the date of receiving the product. Machines sold for either commercial or industrial use have a one-year warranty. Wearable parts like throat plates, bandsaw guides, etc., have a ninety-day warranty.

Table A-1 Warranty Lengths

2 Year – New Machines Sold Through an Authorized Dealer
2 Year – Accessories Sold as Machine Options (excluding blades)
1 Year – Machines Sold for Commercial or Industrial Use
1 Year – Blades and Accessories outside of Machine Options
90 Days – Wearable Parts

Aside from being free of defects upon receiving, consumable parts, like cutters and abrasives, are not covered by this warranty unless otherwise stated by Laguna Tools®. These parts are designed to be used at the expense of the operator and are available for replacement or inventory purchase. The determination of a consumable part will be made on a case-by-case basis by Laguna Tools®.

SHIPPING DAMAGE

Laguna Tools® is not responsible for damage or loss caused by a freight company or other circumstances not in the direct control of Laguna Tools®. All shipping-related claims for loss or damage goods must be made to Laguna Tools within twenty-four hours of delivery.

HOW TO RECEIVE SUPPORT

To file a warranty-claim please contact the warranty department at 1-800-234-1976. To receive customer service or technical support please contact the customer service department at 1-800-332-4049. Parts, under warranty, are shipped at the expense of Laguna Tools® either by common carrier, FedEx ground services or similar method. Technical support to install replacement parts is primarily provided by phone, fax, email, or the Laguna Tools Customer Support Website.

LAGUNA

Laguna Tools, Inc.
744 Refuge Way
Grand Prairie, TX 75050
800-234-1976
www.lagunatools.com