

# Straight Line Ripsaw Manual



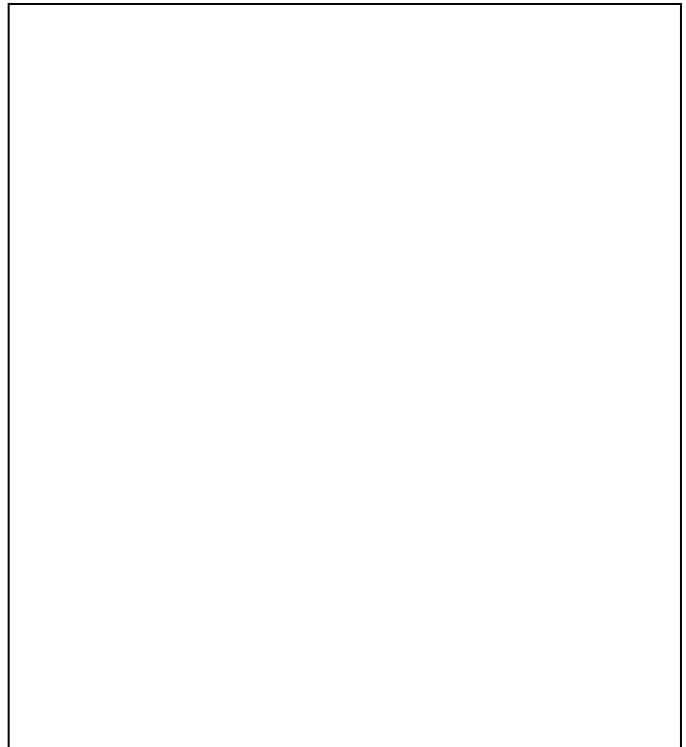
LAGUNA TOOLS  
2072 Alton Parkway  
Irvine, California 92606  
Ph: 800.234.1976  
[www.lagunatools.com](http://www.lagunatools.com)

Model Number: MRS5000-0280

© 2018, Laguna Tools, Inc. LAGUNA® and the LAGUNA Logo® are the registered trademarks of Laguna Tools, Inc. All rights reserved.

## Features

- 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 facilitate chains smooth running.



## Specifications

Arbor motor	7.5 HP / 10 HP / 15 HP
Saw blade diameter	305~ 355(12"~14")
Saw arbor diameter	25.4(1")
Working thickness	100 mm
Hold down rollers	5
Distance between saw & column	460 mm
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 <sup>l</sup> min (15 / 20 / 25 / 30 m/min)
Feeding speed (60Hz)	13~31 m <sup>l</sup> min (15 / 20 / 25 / 30 m/min)
Table area	900 x 1450 mm
Net weight	900 kgs
Gross weight	1150 kgs
Packing size	1550 x 1130 x 1700 mm

# General safety rules

1. Know your machine. Read this operation manual carefully. Learn the machine application and limitation, as well as the specific potential hazards peculiar to it.
2. Keep guards in place and in working order.
3. The machine must be properly grounded to prevent electric shock.
4. Keep children area clean. Cluttered areas invite accidents.
5. Don't use in dangerous environment. Don't use the machine in damp or wet locations, or exposit to rain. Keep work area well lighted.
6. Keep children and visitors away.
7. Wear proper apparel. No loose clothing, gloves, neckties, rings, bracelets, or other jewelry to get caught in moving parks. Non slip wear is recommended. Wear protective hair covering to contain long hair.
8. Use safety glasses.
9. Holds work securely.
10. Don't overreach. Keep proper footing and balance at all times.
11. Disconnect machine before servicing and when changing accessories, such as saw blade etc.
12. Avoid accidental staring. Make sure switch is in "OFF" position before plugging in power wires.
13. Never leave the machine running unattended, turn off power. Never leave machine until it complete stop.
14. Never have any part if your body in line with the path of the blade.
15. Disconnect the machine from the power source performing replacement, adjustment, service, and maintenance.
16. Keep saw blade sharp at all times.

# SAFETY RULES

## READ CAREFULLY BEFORE OPERATING THE MACHINE

1. Learn the machines applications and limitations, as well as the specific potential hazards particular to this machine. Follow available safety instructions and safety rules carefully.
2. Keep working area clean and be sure adequate lighting is available.
3. Do not wear loose clothing, gloves, bracelets, necklaces, or ornaments. Wear face, eye, ear, respiratory and body protection devices, as indicated for the operation or environment.
4. Keep hands well away from saw blade and all moving parts. Do not clear chips and sawdust away with hands. Use a brush.
5. Make sure the blade is moving at operation speed before cutting. Do not push the saw blade to hard. The saw will perform better and be safer working at the rate for which it was designed.
6. Whenever possible use a dust collector with shaving hood to minimize health hazards.
7. Never leave the machine with the power on.
8. Keep children away. Make sure that visitors are kept at a safe distance from the work area.
9. Use recommended speed saw blade and accessories, and work piece material.
10. Never stand on tool. Serious injury could occur if the tool is tipped or if the sanding tool is unintentionally contacted.
11. Be sure saw blades are securely locked in the machine.
12. Use suitable support if stock does not have a flat surface.
13. Do not force the machine. It will do the job better and be safer at a rate for which it was designed.
14. Keep guards in place and in working order. If a guard must be removed for maintenance or cleaning make sure it is properly attached before using the tool again.
15. Be sure that key and adjusting wrenches have been removed before turning power on.
16. Use only accessories designed for the machine.
17. Make sure tool is properly grounded. If tool is equipped with three-prong plug, it should be plugged into a three-prong electrical receptacle. Never remove the third prong.
18. Always disconnect tool before servicing and when changing accessories sure as saw blades.
19. Make sure that switch is in "OFF" position before plugging in cord.
20. Hold material firmly against the table.
21. Use ONLY recommended accessories. Use of accessories NOT recommended by may result in a risk of injury.
22. Do not use this Rip Saw for other than its intended use. If used for other purposes, disclaims any real or implied warranty and holds itself harmless for any injury, which may result from that use.

# Single Straight Line Rip Saw

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.

## Unpack and Clean-up

To ensure maximum performance your single straight-line rip saw, remove it from the shipping case, clean it properly; and install it accurately before use. As soon as you receive the rip saw, we recommend you follow these procedures:

- I. Finish removing the contents of the shipping wooden case and compare with the contents list on page 8.
- II. Report damage, if any to your local distributor.
- III. Clean all rust protected surfaces with a mild solvent or kerosene. Do not use lacquer thinner; paint thinner or gasoline. These will damage painted surfaces.
- IV. To prevent rust, apply a light coating of paste wax to surface.

## Installation

1. The machine must be lifted or moved with a forklift, verify that the capacity of the forklift is sufficient in order to lift the machine.
2. Machine must be evenly balanced on both sides in order for the wooden case to be steady and leveled on the lift.
3. The forks of the lifter must protrude over the machine bottom for steady distribution of the entire machine weight.(Figure A)
4. The machine must be installed on a solid foundation and can be bolted if desired.
5. Work area must be well lighted and spacious in order to allow operator to move around the machine and handle the materials that need to be cut, without any obstacles.
6. Four (4) steel pads are furnished with the machine; these pads are to be placed under the leveling screws at the four corners under the machine base. (Figure B)
7. Make leveling adjustments after the machine has been properly installed on the work area.

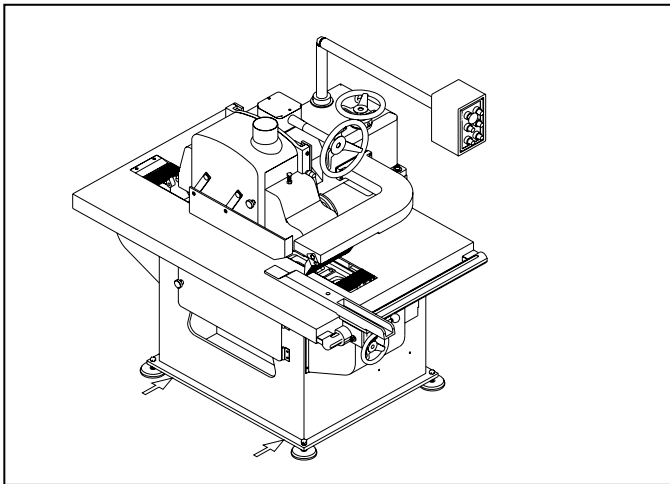


Figure A

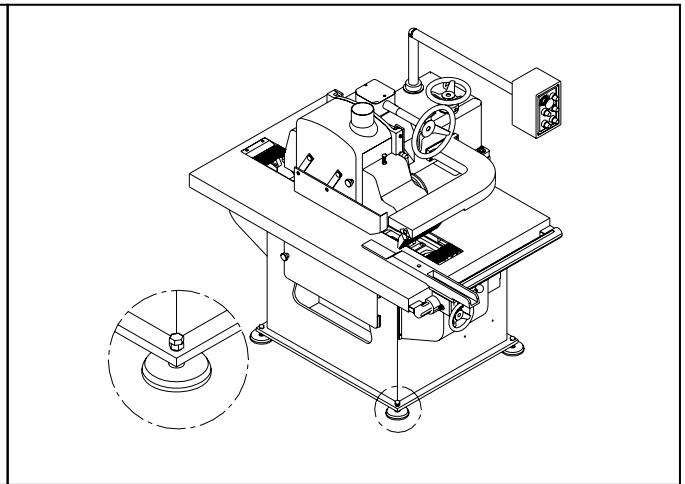


Figure B

**Attention!**

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

**Warning!**

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

## Electrical requirements

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.

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

Machine must be properly grounded at all times in order to avoid electric shock to the work operator.

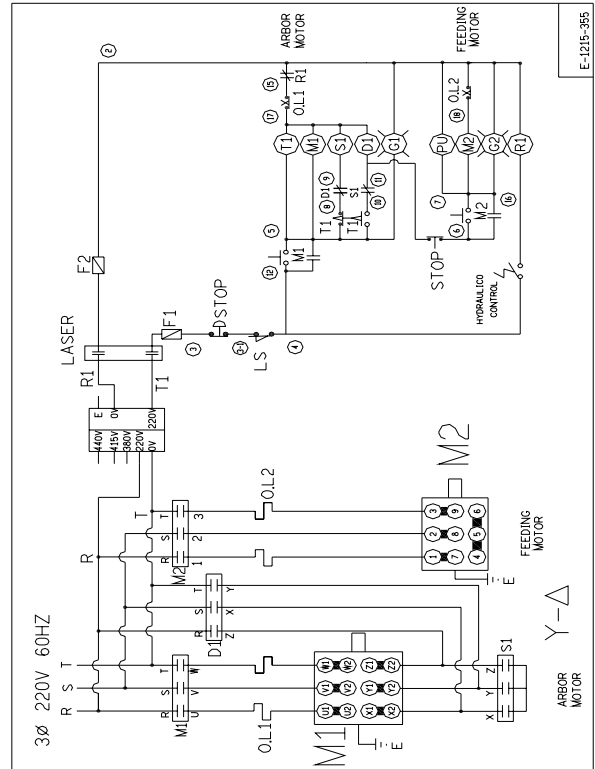
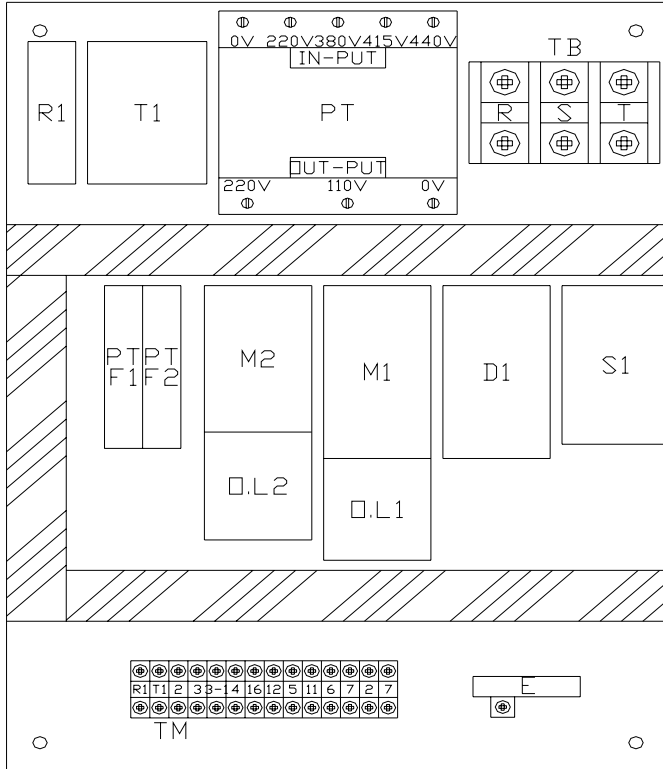
The use of an extension cord is not recommended, if required verify that the extension cord can carry out the full amount of power required for the motor.

If the extension cord is damaged, cut, or worn out; replace immediately before proceeding with further operations.

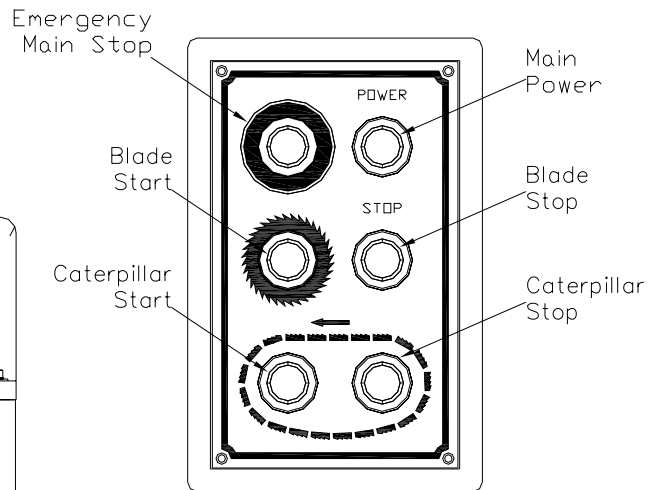
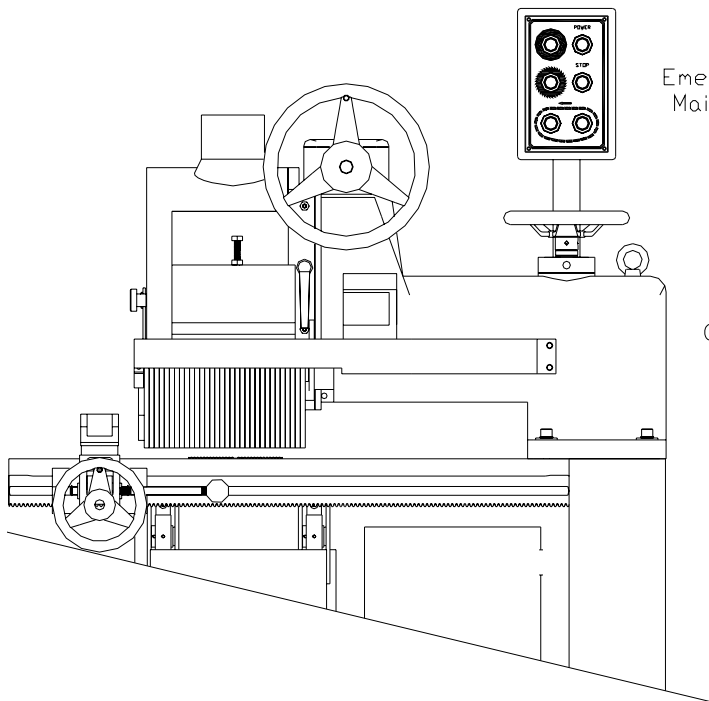
### Conner wires

1.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%.
2.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)
3.SETUP CABLE RATED	Cross section... 5.5mm (575V/600V) 8mm (220V)
4.CIRCUIT BREAKER	According to the current to select its suitable breaker.

# Wiring Diagram



# ELECTRICAL CONTROL PANEL



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.

## **Verifications before operations**

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.

## **Operating procedures**

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

1. Start the saw blade; let it run for about 10 seconds and then start the caterpillar. Verify if the machine is running in the proper direction, the proper running direction must be counter-clockwise, 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, allow the saw arbor to rotate 2-3 times to verify that the direction is correct.
2. Verify the automatic lubrication feeding system of the caterpillar; observe 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.
3. Perform a trial cut at a low speed; inspect the thickness of the Woodstock. If necessary, make further adjustments for thickness of cut.
4. Once machine is running in perfect condition, work operations can now proceed.

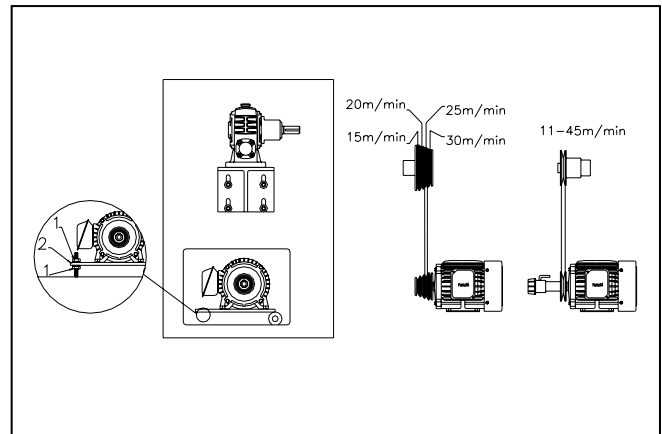


## Feed Speed

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 over loading occurs; reduce the feed speed or change the saw blade to allow the saw arbor to function normally.

## 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.



## Adjusting V-belt tension

Your machine will require adjustments after a long period of operations; the v-belt may have loosened gradually. Adjust your v-belt with the following procedures:

1. Disconnect the machine from the power source before making any adjustments.
2. Open the rear door panel of the machine.
3. Loosen nut (1) then turn the v-belt tension adjustment screw (2) in order to adjust the tension.
4. Reverse the above procedures after the v-belt tension has been properly adjusted.

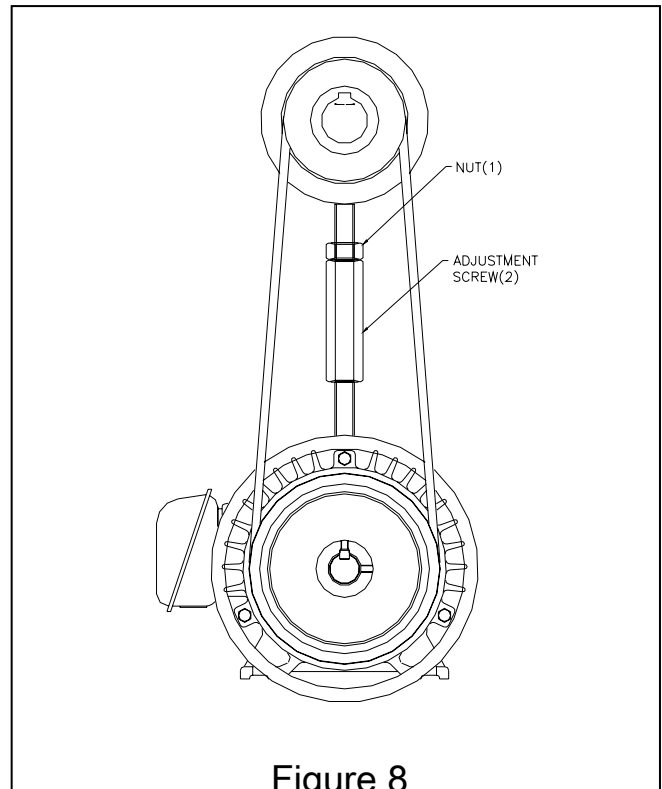
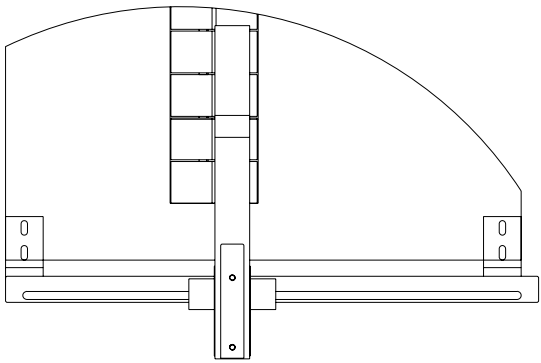


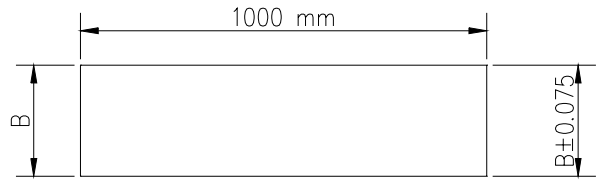
Figure 8

# Cutting alignment

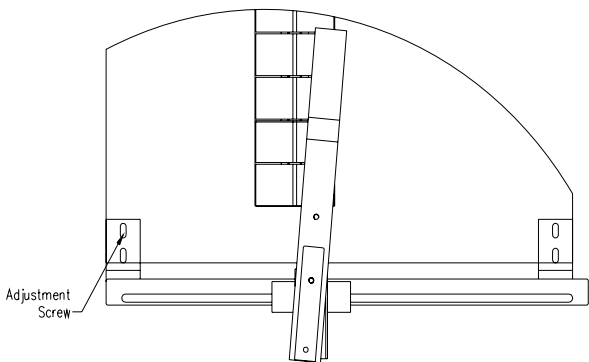


**Correct alignment:**  
Cutting line must be parallel to fence.

## Cut Result

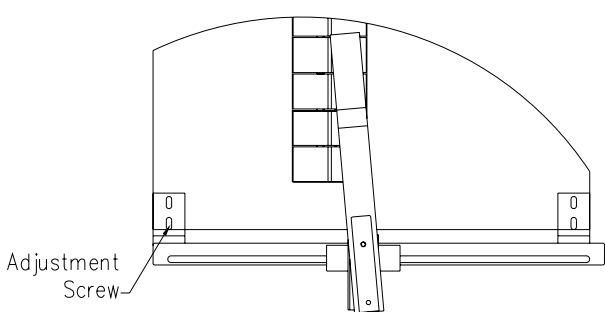
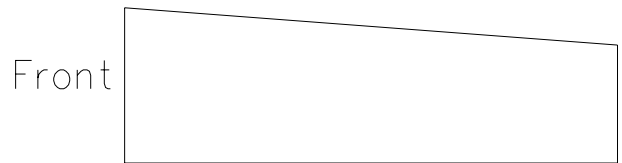


If the cutting line is parallel, the width difference after cut between the front and rear end is  $\pm 0.075$  mm tolerance is acceptable.



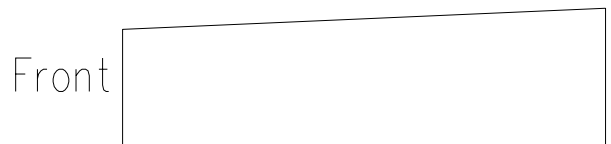
**Improper alignment:**  
Fence is not parallel; it moves to the right side.

## Cut Result



**Improper alignment:**  
Fence is not parallel; it moves to the left side.

## Cut Result



# Replacing saw blade

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

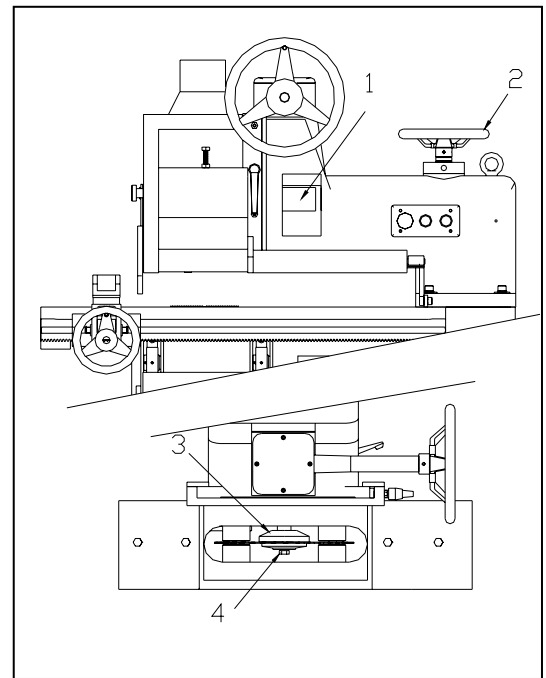


Figure 1

## SHAPES AND FEEDINGS OF WOOD

1. The proper method for feeding curved wood is illustrated in Fig.2 when curved wood is fed with its curve upwards refer to Fig.3 the pressure rollers on both sides of the saw will block and the marginal part of wood will most commonly pop out.
2. If curved wood needs to be cut along the curve; it must be placed with its curve upwards as illustrated in Fig.4 if positioned otherwise to be fed; the pressure rollers will not function smoothly and precision of the object will not result in satisfactory work. Fig.5 illustrates an improper method of feeding.
3. If the outer covering of wood is to be processed, (Fig.6) it must be fed into the machine with the covering facing up. Unsatisfactory results will be achieved if the outer covering is under pressure from the rollers. (Fig.7)

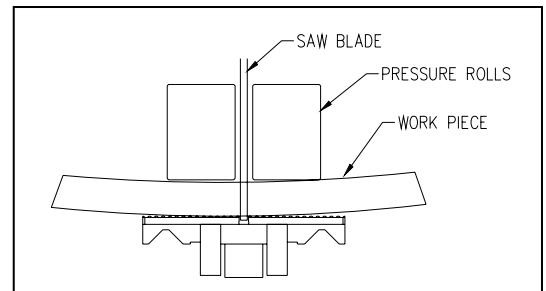


Figure 2

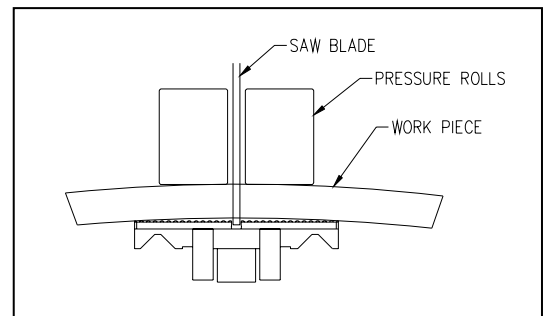


Figure 3

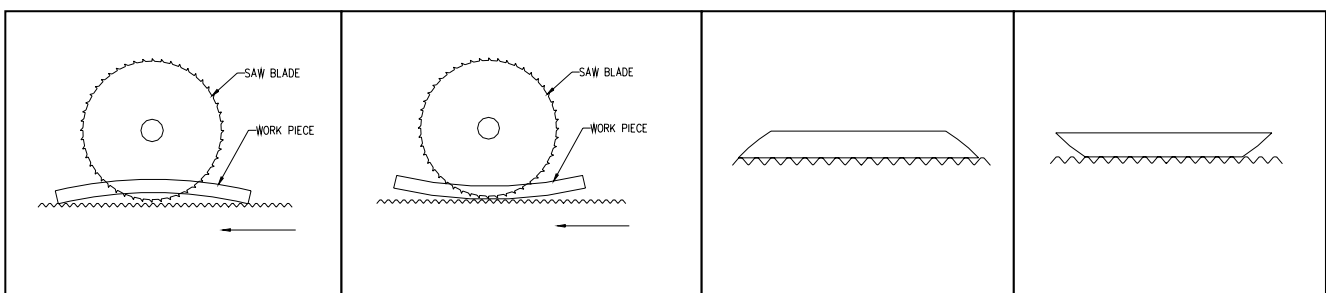


Figure 4

Figure 5

Figure 6

Figure 7

## Machine and lubrication

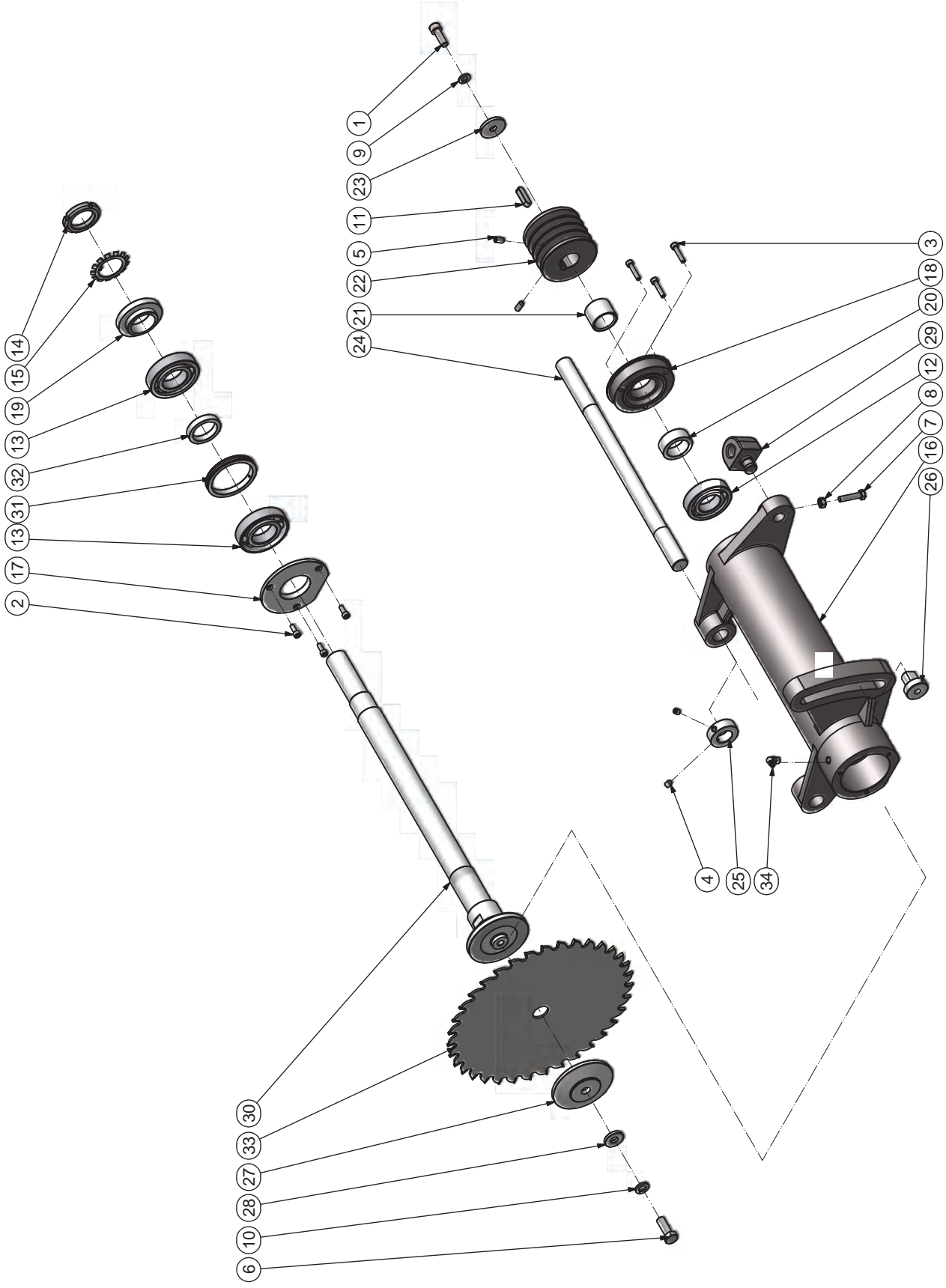
Lubricator should be verified daily before starting work operations; this will ensure normal functions at all times. A lubrication failure may cause serious damage to the machine, if the lubricator is damaged; stop machine operations immediately in order to prevent damage to the caterpillar.

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

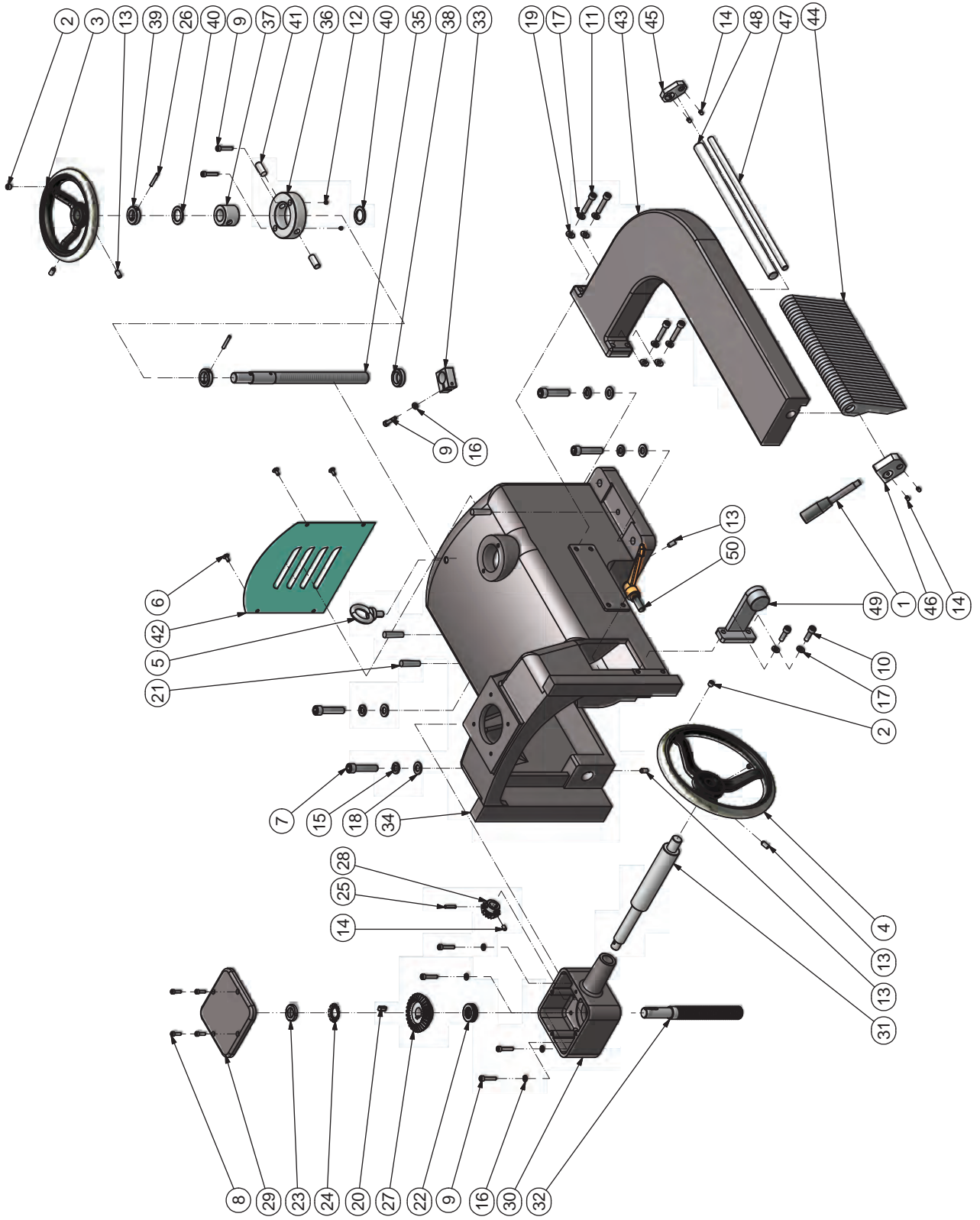
- ◆ Interior of oil box must be kept clean at all times.
- ◆ The track of caterpillar's chain, must be lubricated at all times this is an important factor for ensuring the accuracy of the machine.
- ◆ Never over-fill the oil tank, never use recycled oil.
- ◆ Oil must be refilled after 100 hours of operations, and changed after 200 hours of operation. Insufficient oil may cause serious noise and fast wear of gears; excessive oil into the gear reducer may cause oil leakage.
- ◆ Refill the oil in the gear reducer until the level reaches over half of its full capacity.
- ◆ Properly clean and dust your machine each time work operations are completed.

## Contents list

- ◆ 1-pc Tool Box
- ◆ 1-pc Oil Pot
- ◆ 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



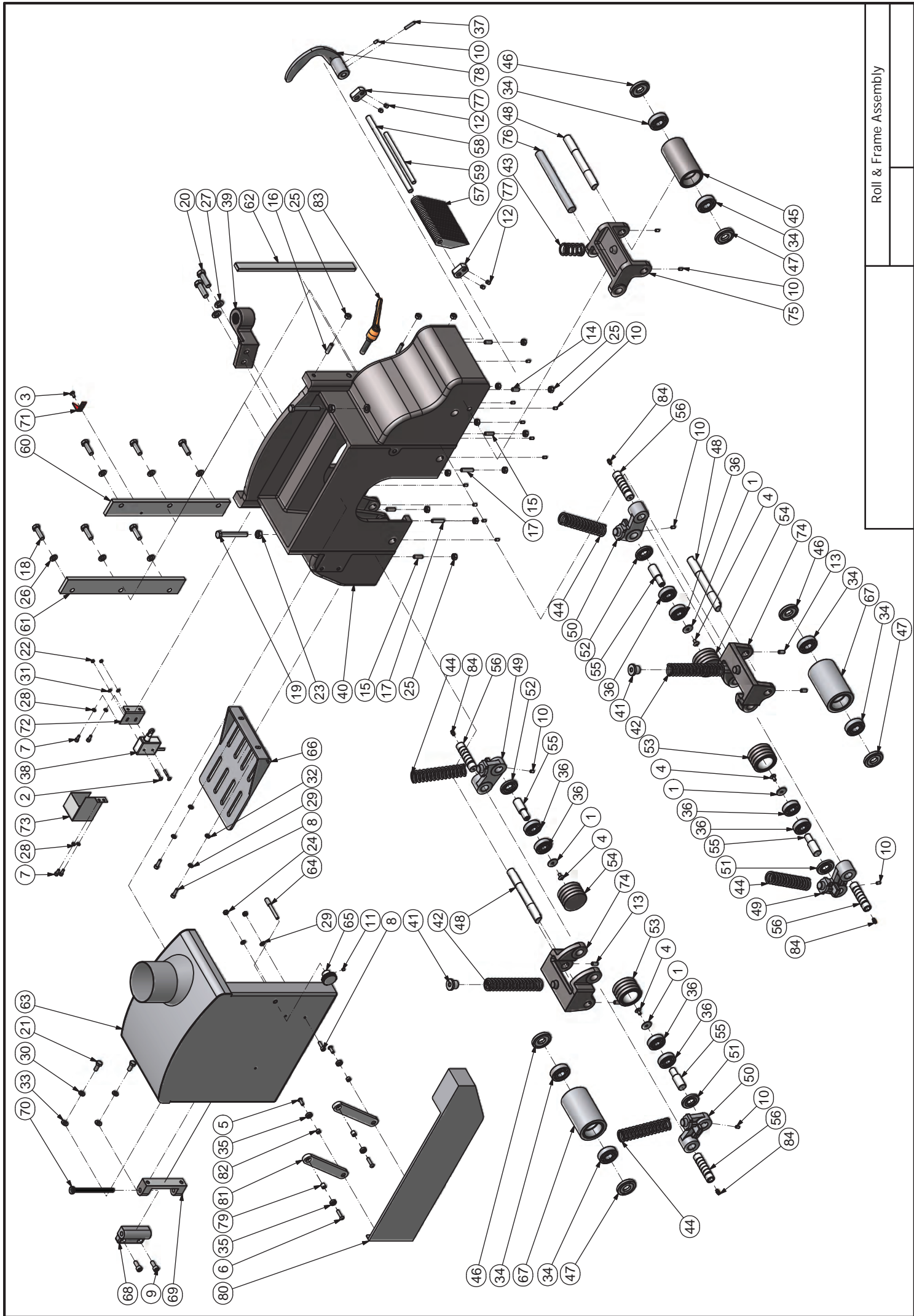
PARTS LIST				PARTS LIST			
NO.	PART NO.	DESCRIPTION	QUANTITY	NO.	PART NO.	DESCRIPTION	QUANTITY
1	401021105	Cap Screw, M10-30	1	21	RS-3013	Spcer	1
2	401021053	Cap Screw, M6-16	3	22	RS-3014	Pulley, Spindle	1
3	401021057	Cap Screw, M6-30	3	23	RS-3015	Flat Washer	1
4	401072049	Set Screw, M8-10	2	24	RS-3016	Shaft	1
5	401072052	Set Screw, M8-16	2	25	RS-3018	Set Collar	1
6	401010053	Hex Head Bolt, M12-35	1	26	RS-3019	Special Nut	1
7	401010022	Hex Head Bolt, M8-35	1	27	RS-3020	Press Plate	1
8	401101005	Hex Nut, M8	1	28	RS-3021	Special Washer	1
9	401150005	Lock Washer, 10mm	1	29	RS-3041	Special Nut	1
10	401150006	Lock Washer, 12mm	1	30	RS-3051	Main Spindle	1
11	401230022	Parallel Key, 10-8-36	1	31	RS-3058	Ring	1
12	403017137	Ball Bearing, 6207-2NK	1	32	RS-3059	Ring	1
13	403020001	Ball Bearing, 7208	2	33	413012108	Saw Blade, 12"-48T-4W	1
14	401120003	Spanner Lock Nut, AN08	1	34	410030003	Grease Nipples, 1/8" -90	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				



PARTS LIST				PARTS LIST			
NO.	PART NO.	DESCRIPTION	QUANTITY	NO.	PART NO.	DESCRIPTION	QUANTITY
1	402010002	Gear Lever Handles, 1162-M10-125	1	36	RS-3042	Cover	1
2	401072133	Set Screw, 3/8-16-3/8	2	37	RS-3043	Bushing	1
3	402050002	Wandwheel, D200-20	1	38	RS-3044	Special Ring	2
4	402050004	Wandwheel, D200-25	1	39	RS-3045	Special Ring	1
5	401271004	Lifting Eye Bolt, M12	1	40	RS-3046	Spacer	2
6	401042004	Phillips Head Screw, M5-12	4	41	RS-3048	Special Pin	2
7	401021132	Cap Screw, M12-55	4	42	RS-3056	Cover	1
8	401021030	Cap Screw, M5-16	4	43	RS-7011-GR3	Seat	1
9	401022057	Cap Screw, M6-30	7	44	RS-7012-4	Anti-Kickback Finger	36
10	401022079	Cap Screw, M8-25	2	45	RS-7013-JET-GR	Block	1
11	401022082	Cap Screw, M8-40	4	46	RS-7014-JET-GR	Block	1
12	401071033	Set Screw, M6-6	2	47	RS-7015-JET	Shaft	1
13	401071052	Set Screw, M8-16	6	48	RS-7016-JET	Shaft	1
14	401071035	Set Screw, M6-10	5	49	RS-7038-GR	Bracket	1
15	401150006	Lock Washer, 12mm	4	50	402040005	Adjustable Hand Levers, M12-30	1
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				

Infeed Body Assembly





Roll & Frame Assembly

PARTS LIST				PARTS LIST			
NO.	PART NO.	DESCRIPTION	QUANTITY	NO.	PART NO.	DESCRIPTION	QUANTITY
1	6.5-25-2.0	Washer, 6.5*25	4	46	RS-2007	Bearing Cover, Right	3
2	401042002	Phillips Head Screw, M4-30	2	47	RS-2008	Bearing Cover, Left	3
3	401042004	Phillips Head Screw, M5-12	1	48	RS-2009	Shaft	3
4	401042010	Phillips Head Screw, M6-12	4	49	RS-2010	Arm, Left	2
5	401032032	Button Head Screw, M6-16	2	50	RS-2011	Arm, Right	2
6	401032034	Button Head Screw, M6-25	2	51	RS-2012	Bearing Cover, Left	2
7	401021028	Cap Screw, M5-12	4	52	RS-2013	Bearing Cover, Right	2
8	401022055	Cap Screw, M6-20	3	53	RS-2014	Roller, Left	2
9	401022078	Cap Screw, M8-20	2	54	RS-2015	Roller, Right	2
10	401071035	Set Screw, M6-10	17	55	RS-2016	Shaft	4
11	401071033	Set Screw, M6-6	1	56	RS-2017	Shaft	4
12	401071049	Set Screw, M8-10	4	57	RS-2022_1	Anti-Kickback Finger	29
13	401071052	Set Screw, M8-16	4	58	RS-2023-GR	Shaft	1
14	401072054	Set Screw, M8-20	2	59	RS-2025	Shaft	1
15	401072055	Set Screw, M8-25	4	60	RS-2029	Lock Bar	1
16	401072056	Set Screw, M8-30	3	61	RS-2030	Lock Bar	1
17	401072057	Set Screw, M8-35	4	62	RS-2031	Slide Plate	1
18	401010038	Hex Head Bolt, M10-35	6	63	RS-2034-GR	Chip Funnel	1
19	401010043	Hex Head Bolt, M10-80	2	64	RS-2039	Knob Screw, M10-20	1
20	401010054	Hex Head Bolt, M12-40	2	65	RS-2040	Knob	1
21	401010019	Hex Head Bolt, M8-20	2	66	RS-2083-1	Back Safety Guard	1
22	401101002	Hex Nut, M4	2	67	RS-2094-JET	Roller	2
23	401101006	Hex Nut, M10	2	68	RS-2095-GR	Hinge (Small)	1
24	401101004	Hex Nut, M6	3	69	RS-2096-GR	Hinge (Big)	1
25	401101005	Hex Nut, M8	13	70	RS-2097-GR	Shaft	1
26	401150005	Lock Washer, 10mm	6	71	RS-5034	Needle	1
27	401150006	Lock Washer, 12mm	2	72	RS-5036	Bracket	1
28	401150002	Lock Washer, 5mm	4	73	RS-5037	Cover	1
29	401150003	Lock Washer, 6mm	5	74	RS-6021-JET	Roller Seat	2
30	401150004	Lock Washer, 8mm	2	75	RS-6025-JET	Roller	1
31	401140001	Washer, 4*9	2	76	RS-6026-GR	Shaft	1
32	401140010	Washer, 6*13	2	77	RS-7003-JET	Block	2
33	401140004	Washer, 8*17	2	78	RS-7037-8	Bracket, 100mm	1
34	403015134	Ball Bearing, 6204-2NSE	6	79	RS-8052	Bushing	2
35	403070001	Ball Bearing, 696-ZZ	4	80	RS-8053	Side Guard	1
36	403015162	Ball Bearing, 6302-2NSE	8	81	RS-8054	Wobble Arm	2
37	401200019	Spring Pins, 6-28	1	82	RS-8055	Bushing	2
38	416040001	Limit Switch TZ7311	1	83	402040004	Adjustable Hand Lever, M12-45	1
39	RS-1007	Bracket	1	84	410030001	Grease Nipples, M6	4
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				

Roll & Frame Assembly

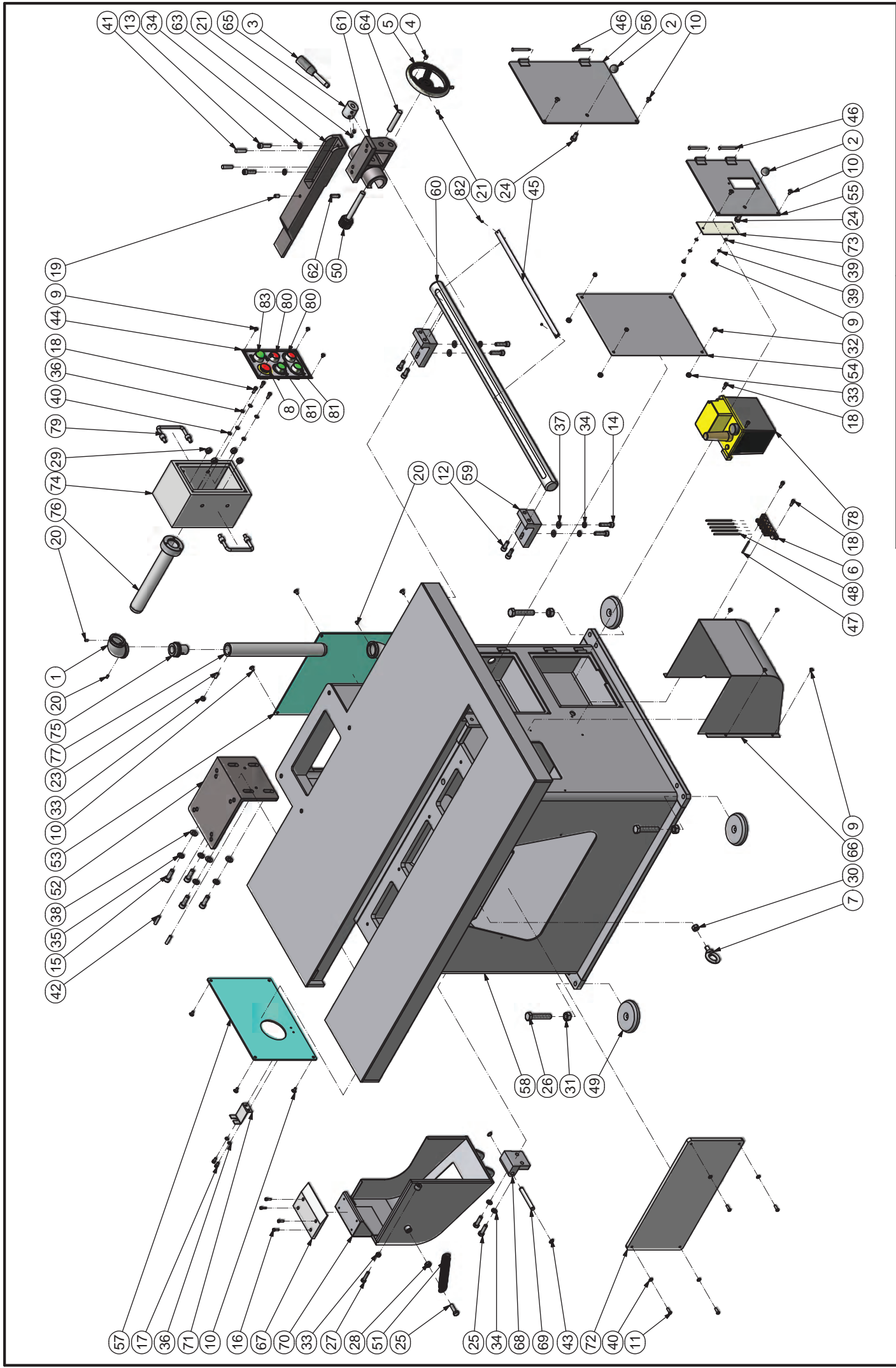


Table & Stand Assembly

Variable Speed + safe protecting cover

PARTS LIST				PARTS LIST			
NO.	PART NO.	DESCRIPTION	QUANTITY	NO.	PART NO.	DESCRIPTION	QUANTITY
1	410020002	Elbow, 1-1/4PT	1	46	KT02	Shaft, Hinge	4
2	402060001	Ball Knobs 1110-25-M10	2	47	410050005	Oil Tube, 4x2.5-270	1
3	402010009	Gear Lever Handles, 7108-M12-138	1	48	410050010	Oil Tube, 4x2.5-700	5
4	401072133	Set Screw, 3/8-16-3/8	1	49	RH-1015	Cast Iron Feet	4
5	402050001	Wandwheel, D150	1	50	RS-1033-GR	Gear	1
6	417020001	Contact, Lubrication DB-7	1	51	RS-2100	Tension Spring, 150	1
7	401271004	Lifting Eye Bolt, M12	1	52	RS-3047	Bracket	1
8	416010011	Emergency Stop	1	53	RS-4001-2_A	Cover	1
9	401042008	Phillips Head Screw, M5-8	10	54	RS-4001-2_C	Plank, Electrical Box	1
10	401042101	Phillips Head Screw, M6-12	12	55	RS-4001-2_D	Cover	1
11	401032033	Button Head Screw, M6-20	4	56	RS-4001-2_E	Cover	1
12	401021104	Cap Screw, M10-25	4	57	RS-4001-2_F	Cover	1
13	401021106	Cap Screw, M10-35	2	58	RS-4001-JO	Stand	1
14	401021107	Cap Screw, M10-40	4	59	RS-4016	Bracket	2
15	401021128	Cap Screw, M12-35	4	60	RS-4017	Column Gear	1
16	401022030	Cap Screw, M5-16	4	61	RS-4019-GR3	Gear Box	1
17	401022051	Cap Screw, M6-12	2	62	RS-4025	Special Screw	1
18	401021053	Cap Screw, M6-16	7	63	RS-4028-GR1	Fence	1
19	401071065	Set Screw, M10-16	1	64	RS-4031-GR	Shaft	1
20	401072035	Set Screw, M6-10	3	65	RS-4032-GR	Setting Block	1
21	401072049	Set Screw, M8-10	4	66	RS-5009	Cover	1
22	401072052	Set Screw, M8-16	2	67	RS-5017	Cover Plate	1
23	401072054	Set Screw, M8-20	1	68	RS-5018	Bracket	1
24	401010035	Hex Head Both, M10-20	2	69	RS-5019	Shaft	1
25	401010038	Hex Head Both, M10-35	3	70	RS-5032	Cover	1
26	401010070	Hex Head Both, M16-80	4	71	RS-5035	Bracket	1
27	401010022	Hex Head Both, M8-35	1	72	RS-6008	Cover	1
28	401101006	Hex Nut, M10	1	73	RS-6013	Acrylic Piece	1
29	401101013	Hex Nut, M10 x 1.25	4	74	RS-7030-JET	Switch Box	1
30	401101007	Hex Nut, M12	1	75	RS-7031-JET-GR	Rotation Seat	1
31	401101012	Hex Nut, M16	4	76	RS-7032-JET	Arm, Control Box	1
32	401101004	Hex Nut, M6	4	77	RS-7033-JO	Arm, Control Box	1
33	401101005	Hex Nut, M8	6	78	417010001	Lubricator, SMA-602-5FB	1
34	401150005	Lock Washer, 10mm	8	79	402020004	"J" Collapsible Handle, A-42-A-3/8"	2
35	401150006	Lock Washer, 12mm	4	80	416010013	Button, OFF	2
36	401150003	Lock Washer, 6mm	5	81	416010012	Button, ON	2
37	401140005	Washer, 10*21	4	82	401280002	Rivet, #3-5	2
38	401140014	Washer, 12*24	4	83	416010014	Electric Power Button	1
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				

## Variable Speed + safe protecting cover

Table & Stand Assembly

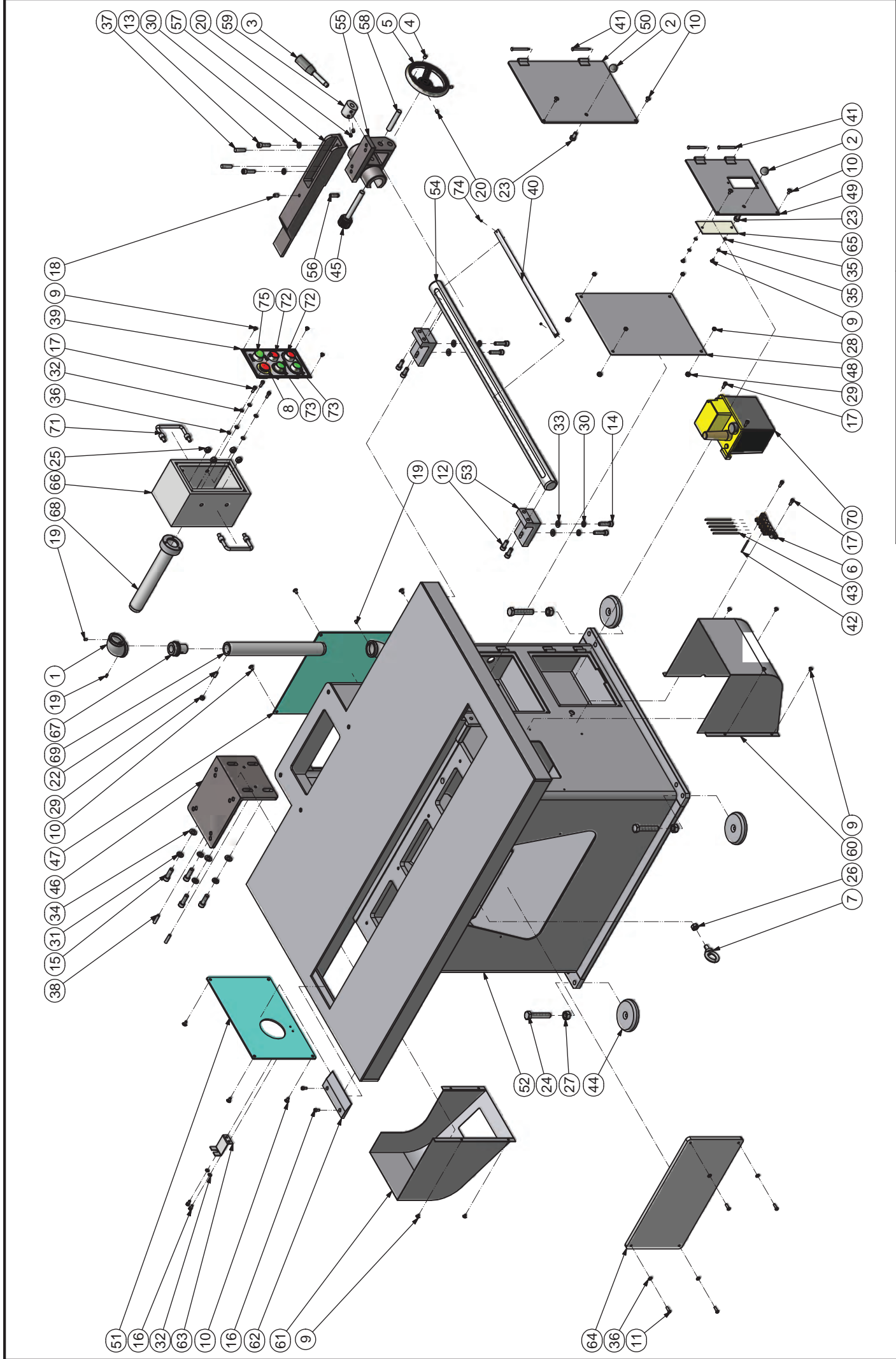


Table & Stand Assembly

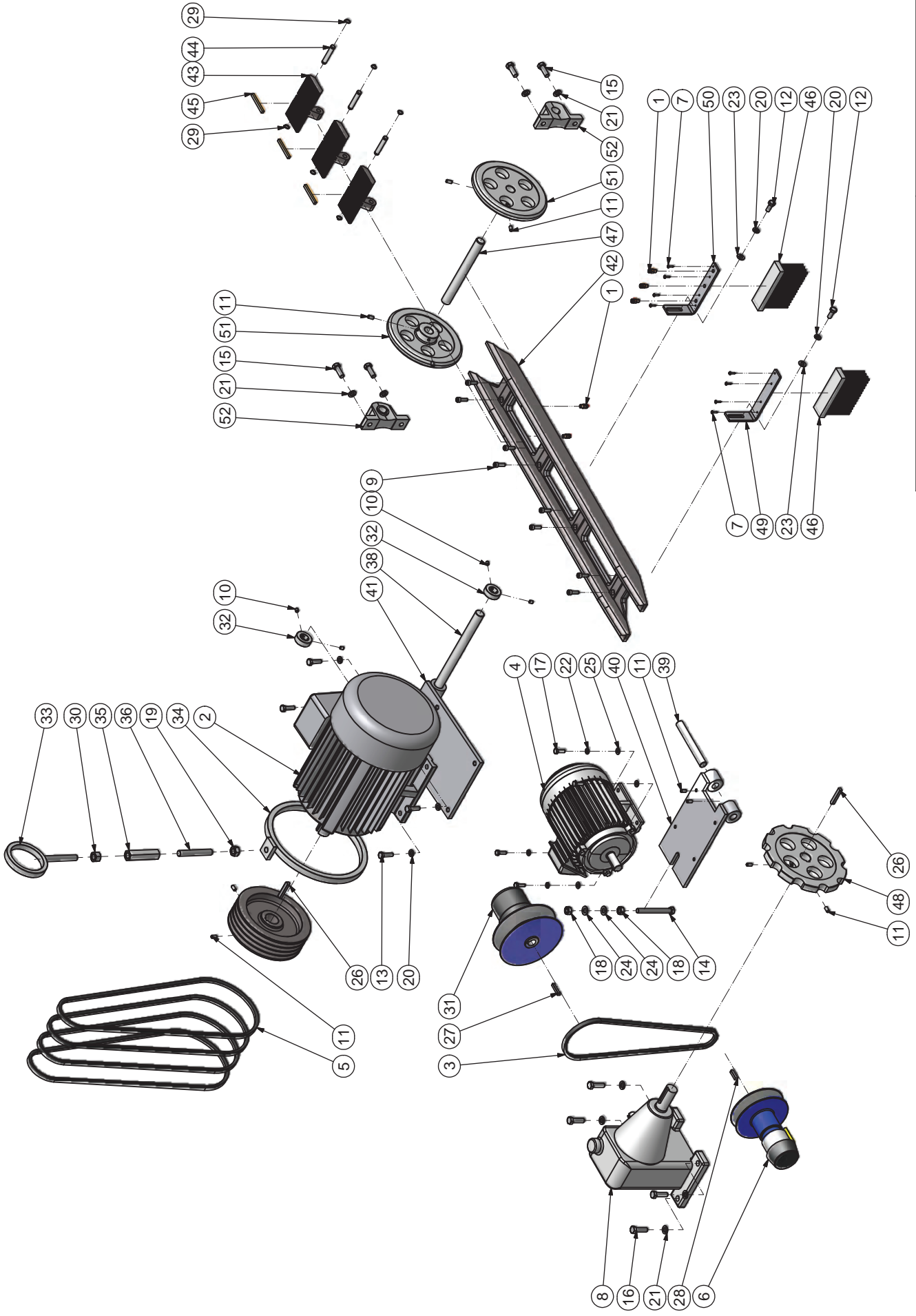
Variable Speed + standard protecting cover



PARTS LIST				PARTS LIST			
NO.	PART NO.	DESCRIPTION	QUANTITY	NO.	PART NO.	DESCRIPTION	QUANTITY
1	410020002	Elbow, 1-1/4PT	1	46	RS-3047	Bracket	1
2	402060001	Ball Knobs 1110-25-M10	2	47	RS-4001-2_A	Cover	1
3	402010009	Gear Lever Handles, 7108-M12-138	1	48	RS-4001-2_C	Plank, Electrical Box	1
4	401072133	Set Screw, 3/8-16-3/8	1	49	RS-4001-2_D	Cover	1
5	402050001	Wandwheel, D150	1	50	RS-4001-2_E	Cover	1
6	417020001	Contact, Lubrication DB-7	1	51	RS-4001-2_F	Cover	1
7	401271004	Lifting Eye Bolt, M12	1	52	RS-4001-JE	Stand	1
8	416010011	Emergency Stop	1	53	RS-4016	Bracket	2
9	401042008	Phillips Head Screw, M5-8	13	54	RS-4017	Column Gear	1
10	401042101	Phillips Head Screw, M6-12	12	55	RS-4019-GR3	Gear Box	1
11	401032033	Button Head Screw, M6-20	4	56	RS-4025	Special Screw	1
12	401021104	Cap Screw, M10-25	4	57	RS-4028-GR1	Fence	1
13	401021106	Cap Screw, M10-35	2	58	RS-4031-GR	Shaft	1
14	401021107	Cap Screw, M10-40	4	59	RS-4032-GR	Setting Block	1
15	401021128	Cap Screw, M12-35	4	60	RS-5009	Cover	1
16	401021052	Cap Screw, M6-12	4	61	RS-5031	Cover	1
17	401021053	Cap Screw, M6-16	7	62	RS-5033	Bracket	1
18	401071065	Set Screw, M10-16	1	63	RS-5035	Bracket	1
19	401072035	Set Screw, M6-10	3	64	RS-6008	Cover	1
20	401072049	Set Screw, M8-10	4	65	RS-6013	Acrylic Piece	1
21	401072052	Set Screw, M8-16	2	66	RS-7030-JET	Switch Box	1
22	401072054	Set Screw, M8-20	1	67	RS-7031-JET-GR	Rotation Seat	1
23	401010035	Hex Head Both, M10-20	2	68	RS-7032-JET	Arm, Control Box	1
24	401010070	Hex Head Both, M16-80	4	69	RS-7033-JO	Arm, Control Box	1
25	401101013	Hex Nut, M10 x 1.25	4	70	417010001	Lubricator, SMA-602-5FB	1
26	401101007	Hex Nut, M12	1	71	402020004	"U" Collapsible Handle, A-42-A-3/8"	2
27	401101012	Hex Nut, M16	4	72	416010013	Button, OFF	2
28	401101004	Hex Nut, M6	4	73	416010012	Button, ON	2
29	401101005	Hex Nut, M8	5	74	401280002	Rivet, #3-5	2
30	401150005	Lock Washer, 10mm	6	75	416010014	Electric Power Button	1
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				

Variable Speed + standard protecting cover

Table & Stand Assembly	
------------------------	--



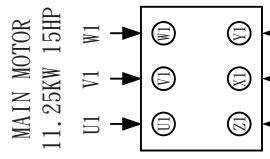
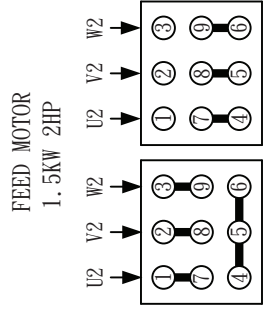
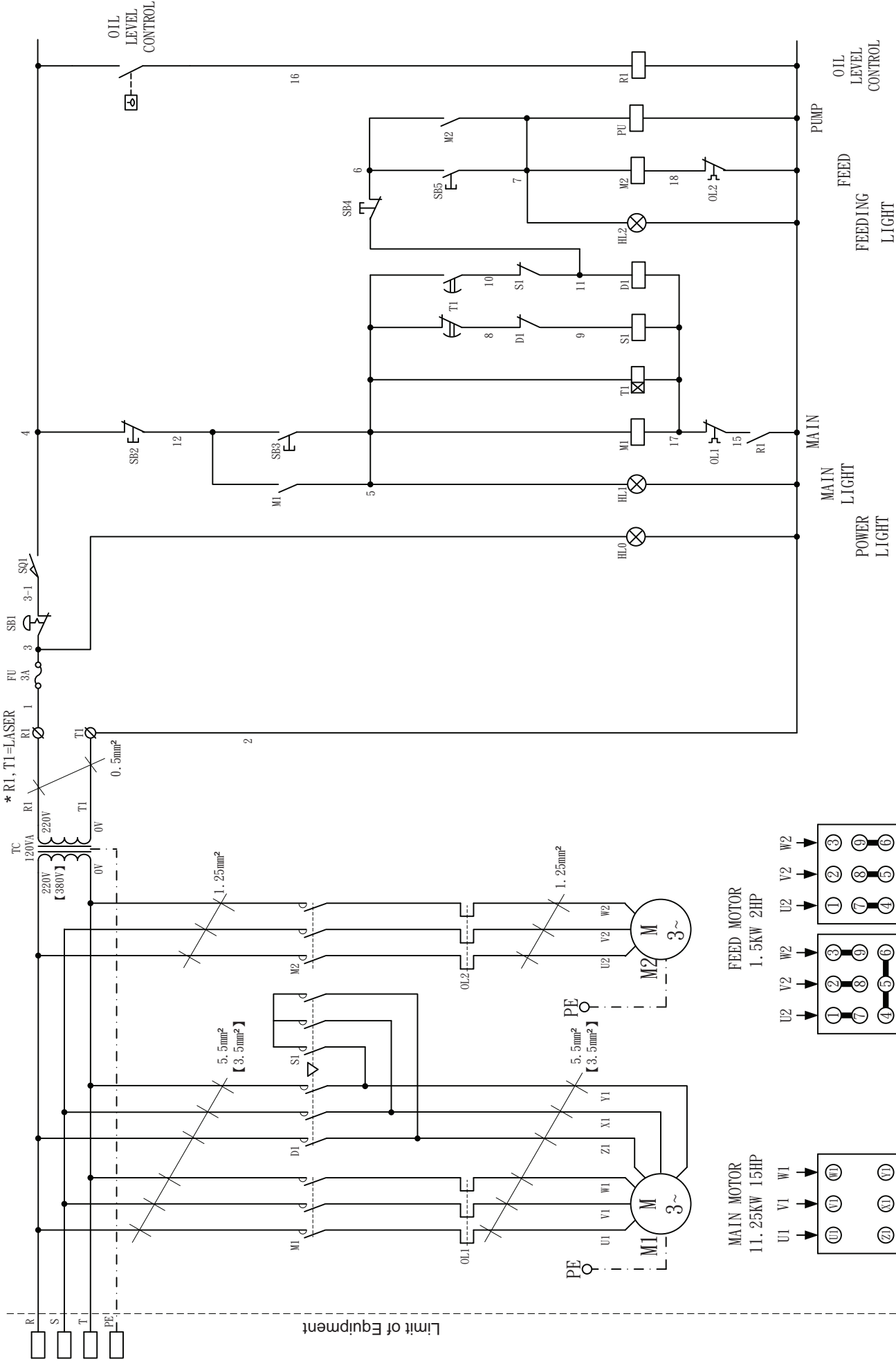
PARTS LIST			PARTS LIST				
NO.	PART NO.	DESCRIPTION	QUANTITY	NO.	PART NO.	DESCRIPTION	QUANTITY
1	410010008	Handy Couplings, 1/8"-4mm	5	36	RS-3026	Special Bolt, M16-110	1
2	132M4P	Motor, 10HP/15HP	1	37	RS-3028	Pulley	1
3	405020003	Cog Tooth Belt, 1220VB30-22	1	38	RS-3032-JET	Shaft	1
4	90L4P	Motor, 2HP	1	39	RS-3036	Shaft	1
5	405010002	V-Bell, A-55	4	40	RS-3052	Motor Seat, 2HP	1
6	405120203	Reducer Pulley, AH2-24	1	41	RS-3053	Motor Seat, 10HP	1
7	401060001	Phillips Head Sheet Metal Screw, #8-3/4"	8	42	RS-4005	Rail Body	1
8	406060125	Reducer Worm Gear, B-80-1/50	1	43	RS-4006-C	Caterpillar Block	38
9	401022079	Cap Screw, M8-25	8	44	RS-4007	Shaft	38
10	401072051	Set Screw, M8-10	4	45	RS-4030-A	Bakelite	38
11	401072052	Set Screw, M8-16	10	46	RS-5007	Brush	2
12	401010036	Hex Head Bolt, M10-25	2	47	RS-5013	Shaft	1
13	401010039	Hex Head Bolt, M10-35	4	48	RS-5022	Sprocket 10T	1
14	401011008	Hex Head Bolt, M12-110	1	49	RS-5028	Brace	1
15	401010053	Hex Head Bolt, M12-35	4	50	RS-5029	Brace	1
16	401010054	Hex Head Bolt, M12-40	4	51	RS-5030	Idle Wheel	1
17	401010020	Hex Head Bolt, M8-25	4	52	403100001	Ball Bearing Assembly, UCP205	2
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				

(10+2)HP / (15+2)HP + Variable Speed

Motor & Drive Unit Assembly



Poewr supply: 220V 60HZ 【380V 50HZ】



【220V60HZ】 【380V50HZ】

R1 T1 2 3 3-1 4 16 12 5 11 6 7 2 7

# **LAGUNA**

2072 Alton Parkway. Irvine, CA 92606  
Ph: 800.234.1976 | [www.lagunatools.com](http://www.lagunatools.com)

Laguna Tools is not responsible for errors or omissions.  
Specifications subject to change. Machines may be shown with optional accessories.

© 2018, Laguna Tools, Inc. LAGUNA® and the LAGUNA Logo® are the  
registered trademarks of Laguna Tools, Inc. All rights reserved.