

SuperBrush 49



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Thank you for investing in a SuperMax SuperBrush by Laguna Tools. This brush sander is one of a family of unique machines proudly offered by Laguna Tools. Every Laguna machine is engineered for years of dependable service. Please feel free to contact Laguna Tools if you have a question or suggestion. We appreciate working with you and your choice of a Laguna Tools machine for your shop.

Regards, Torben Helshoj President & Founder Laguna Tools

Dealer Machinery Warranty

New woodworking machines sold by Laguna Tools carry a two-year warranty effective from the date of dealer invoice to consumer. Machines sold through dealers must be registered with Laguna Tools within 30 days of purchase to be covered by this warranty. Laguna Tools guarantees all new machine 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. An RMA (return merchandise authorization) must be requested, from Laguna Tools, and included with any and all parts or machines returned to Laguna Tools for warranty consideration. Any machines returned to Laguna Tools must be returned with packaging in the same manner in which it was received. If a part or blade is being returned it must have adequate packaging to ensure no damage is received 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.

This manual applies to the SuperBrush 49. Enter the model number and serial number below for quick reference when ordering accessories, supplies or parts. NOTE: The model and serial number plate can be found on the cross rail, below the conveyor, when viewed from the infeed/front of the machine.

Serial:	
Cinan	

Laguna Tools Huntington Beach 7291 Heil Avenue CA 92647

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SAFETY

READ AND UNDERSTAND THIS MANUAL AND ALL INSTRUCTIONS BEFORE USING THIS EQUIPMENT. Failure to follow all instructions may result in electric shock, fire and/or serious personal injury or property damage! Electronic copies of this manual are available at <u>www.lagunatools.com</u>.

SAFETY GUIDELINES - DEFINITIONS

This manual contains information that is important for you to know and understand. This information relates to protecting YOUR SAFETY and PREVENTING EQUIPMENT PROBLEMS. To help you recognize this information, we use the symbols below. Please read the manual and pay attention to these sections.



Indicates an imminently hazardous situation which, if not avoided, <u>will</u> result in death or serious injury.



Indicates a potentially hazardous situation which, if not avoided, <u>could</u> result in death or serious injury.



Indicates a potentially hazardous situation which, if not avoided, <u>may</u> result in minor or moderate

injury.



(Used without the safety alert symbol) indicates a potentially hazardous situation which, if not avoided, <u>may</u> result in property damage.

Woodworking, metalworking, composites, etc. (and similar materials) can be dangerous if safe and proper operating procedures are not followed. As with all machinery, there are certain hazards involved with the operation of the machine. Using the machine with respect and caution will considerably lessen the possibility of personal injury. However, if normal safety precautions are overlooked or ignored, personal injury to the operator may result. Safety equipment such as guards, push sticks, hold-downs, featherboards, goggles, dust masks and hearing protection can reduce the potential for injury. Even the best guard will not make up for poor judgement, carelessness or inattention. *Always use common sense* and exercise caution in the workshop. If a procedure feels dangerous, do not try it. Figure out an alternative procedure that is safer. **REMEMBER:** Your personal safety is your responsibility.

IMPORTANT SAFETY INSTRUCTIONS



This machine was designed for certain applications only. We strongly recommend that this machine not be modified and/or used for any application other than that for which it was designed. If you have any questions relative to a particular application, DO NOT use the machine until you have first contacted the manufacturer to determine if it can or should be performed on the product.

If you have any questions relative to its application DO NOT use the product until you have contacted the manufacturer and we have advised you.

When using an electrical appliance/machine, basic precautions should always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING (THIS MACHINE)!



To reduce the risk of fire, electric shock, or injury:

1. Do not leave appliance when plugged in. Unplug from outlet when not in use and before servicing.

2. Do not use outdoors or on wet surfaces

3. Do not allow to be used as a toy. Close attention is necessary when used by or near children.

4. Use only as described in this manual. Use only manufacturer's recommended attachments.

5. Do not use with damaged cord or plug. If appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.

6. Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.

Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
 Do not handle plug or appliance with wet hands.

9. Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.

10. Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.

11. Turn off all controls before unplugging.

12. Use extra care when cleaning on stairs.

13. Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.

14. Connect to a properly grounded outlet only. See Grounding Instructions.

SAVE THESE INSTRUCTIONS

1. Read and understand the warnings posted on the machine and in this manual. Failure to comply with all of these warnings may cause serious injury.

- 2. Replace the warning labels if they become obscured or removed.
- 3. This SuperBrush is designed and intended for use by properly trained and experienced personnel only. If you are not familiar with the proper and safe operation of this type of machine, do not use until proper training and knowledge have been obtained.
- 4. Do not use this machine for other than its intended use. If used for other purposes, **LAGUNA TOOLS INC.**, disclaims any real or implied warranty and holds itself harmless from any injury that may result from that use.
- 5. Always wear approved safety glasses/face shields while using this machine.
- 6. Before operating this machine, remove tie, rings, watches and other jewelry, and roll sleeves up past the elbows. Remove all loose clothing and confine long hair. Non-slip footwear or anti-skid floor strips are recommended.
- 7. Wear ear protectors (plugs or muffs) during extended periods of operation.
- 8. Some dust created by power sanding, sawing, grinding, drilling and other construction activities contain chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are: (next page)

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

Your risk of exposure varies, depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a wellventilated area and work with approved safety equipment, such as face or dust masks/respirators that are specifically designed to filter out microscopic particles.

- 9. Do not operate this machine while tired or under the influence of drugs, alcohol or any medication.
- 10.Make certain the switch is in the **OFF** position before connecting the machine to the power source.
- 11. Make certain the machine is properly grounded.
- 12.Make all machine adjustments or maintenance with the machine unplugged from the power source.
- 13.Form a habit of checking to see that all extra equipment such as adjusting keys, wrenches, scrap, stock, and cleaning rags are removed away from the machine before turning on.
- 14.Keep safety guards in place at all times when the machine is in use. If removed for maintenance purposes, use extreme caution and replace the guards immediately when maintenance is complete.
- 15.Make sure the dust collector is on a flat even surface and the wheels locked in place before use.
- 16.Check damaged parts. Before further use of the machine, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
- 17.Provide for adequate space surrounding work area and non-glare, overhead lighting.
- 18.Keep the floor around the machine clean and free of scrap material, oil and grease.

- 19.Keep visitors a safe distance from the work area. **Keep children away.**
- 20.Make your workshop child proof with padlocks, master switches or by removing starter keys.
- 21. Give your work undivided attention. Looking around, carrying on a conversation and "horse-play" are careless acts that can result in serious injury.
- 22.Maintain a balanced stance at all times so that you do not fall or lean against the dust collector. Do not overreach or use excessive force to perform any machine operation.
- 23.Use the right tool at the correct speed and feed rate. Do not force a tool or attachment to do a job for which it was not designed. The right tool will do the job better and safer.
- 24.Use recommended accessories; improper accessories may be hazardous.
- 25.Maintain machinery with care. Follow instructions for lubricating and changing accessories.
- 26.Turn off the machine before cleaning. Use a brush or compressed air to remove dust or debris do not use your hands.
- 27.Do not stand on the machine. Serious injury could occur if the machine tips over.
- 28.Never leave the machine running unattended. Turn the power off and do not leave the machine until it comes to a complete stop.
- 29.Never operate or run the machine without closing the drum up against the lid. Failure to do so will result in the machine amperage increasing and may trip your circuit.

Familiarize yourself with the following safety notices used in this manual:

SAFETY GUIDELINES - DEFINITIONS

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GENERAL SAFETY RULES



FAILURE TO FOLLOW THESE RULES MAY RESULT IN SERIOUS INJURY.

FOR YOUR OWN SAFETY, READ AND UNDERSTAND THE INSTRUCTION MANUAL BEFORE OPERATING THE MACHINE. Learn the unit's application and limitations as well as the specific hazards peculiar to it.

KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.

DON'T USE IN DANGEROUS ENVIRONMENT. Don't use this unit in damp or wet locations, or expose it to rain. Keep work area well-lighted.

KEEP CHILDREN AND VISITORS AWAY. All children and visitors should be kept a safe distance from work area.

DISCONNECT UNIT before servicing.

CHECK DAMAGED PARTS. Before further use of the unit, properly repair or replace any part that is damaged.



FAILURE TO FOLLOW THESE RULES MAY RESULT IN SERIOUS INJURY.

ADDITIONAL SAFETY INFORMATION

Intended use. This machine is intended for the applications discussed and approved by Laguna/SuperMax. Do not use this machine for non-approved applications or flammable, combustible, or hazardous materials.

Hazardous dust. Dust created while using machinery may cause cancer, birth defects, or

long-term respiratory damage. Be aware of dust hazards associated with each work piece material, and always wear a NIOSH-approved respirator to reduce your risk.

Dust allergies. Dust from certain woods and other materials may cause an allergic reaction in people and animals. Make sure you know what type of dust you will be exposed to in case there is a possibility of an allergic reaction.

Wear respirator. Fine dust that is too small to be caught in the filter may be introduced into the ambient air during operation. Always wear a NIOSH-approved respirator during operation and for a short time after to reduce your risk of permanent respiratory damage.

Disconnecting power supply. Turn the switch off, disconnect from the power supply, and allow machine to come to a complete stop before leaving the machine unattended or doing any service, cleaning, maintenance, or adjustments.

Suspended dust particles and ignition sources. Do not operate in areas were explosion risks are high. Areas of high risk include, but are not limited to, areas near pilot lights, open flames, or other ignition sources.

Fire suppression. Only operate in locations that contain a fire suppression system or have a fire extinguisher nearby.

Static electricity. Plastic dust lines generate high amounts of static electricity as dust chips pass through them. Although rare, sparks caused by static electricity can cause explosions or fire. To reduce this risk, make sure all dust lines are thoroughly grounded by using a grounding wire.

Regular cleaning. Regularly check the machine for excessive dust and debris and clean. Make sure to regularly clean the surrounding area where the machine is operated—excessive dust buildup on overhead lights, heaters, electrical panels, or other heat sources will increase the risk of fire.

SAVE THESE INSTRUCTIONS. Refer to them often and use them to instruct others.

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain instructions for future reference.



DO NOT EXPOSE THE MACHINE TO RAIN OR OPERATE THE MACHINE IN DAMP LOCATIONS.

MOTOR SPECIFICATIONS

The typical main motor is 10 HP and is wired for 208-230 Volt, Three-Phase, 60 HZ, AC current. Confirm your motor electrical configuration before connecting power! Before connecting the machine to the power source, make sure the starter and switches are in the "OFF" position. Power Cord and "plug" are NOT included. These must be installed by a qualified technician/electrician to meet all applicable codes.



Confirm electrical configuration (Voltage & Phase) of brush machine before connecting to power source!

GROUNDING INSTRUCTIONS



THIS MACHINE MUST BE GROUNDED WHILE IN USE TO PROTECT THE OPERATOR FROM ELECTRIC SHOCK.

1. This machine must be connected to a grounded metal, permanent wiring system; or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the appliance.

The installer, such as a qualified electrician, shall cut (or bend over) and insulate the grounding conductor from a field wiring supply cable.

In the event of certain types of malfunctions or breakdowns, grounding provides a path of least resistance for electric current—in order to reduce the risk of electric shock.

Improper connection of the equipment-grounding wire can result in a risk of electric shock. The wire with green insulation (with or without yellow stripes) is the equipment-grounding wire. If repair or replacement of the power cord or plug is necessary, do not connect the equipment-grounding wire to a live (current carrying) terminal.

Check with a qualified electrician or service personnel if you do not understand these grounding requirements, or if you are in doubt about whether the tool is properly grounded. If you ever notice that a cord or plug is damaged or worn, disconnect it from power, and immediately replace it with a new one.

Power Supply Circuit Requirements

The power source circuit for your machine must be grounded and rated for the amperage given below. Never replace a circuit breaker on an existing circuit with one of higher amperage without consulting a qualified electrician to ensure compliance with wiring codes. **If you are unsure about the wiring codes in your area or you plan to connect your machine to a shared circuit, consult a qualified electrician.**

Circuit Size (208-230V, 3-Phase)**30 Amp**. minimum



IN ALL CASES, MAKE CERTAIN THE RECEPTACLE OR DISCONNECT IS PROPERLY GROUNDED. IF YOU ARE NOT SURE, HAVE A QUALIFIED ELECTRICIAN CHECK THE RECEPTACLE OR DISCONNECT.

UNPACKING

Your SuperBrush 49 comes packed in a single box attached to a pallet. Before attempting to assemble this machine, follow these directions:

- 1. Carefully cut the banding straps and remove them from the box.
- 2. Remove the box covering the machine.
- 3. Remove the plastic cover from the machine.
- 4. Remove the small box from the pallet.
- 5. Remove the four bolts securing the machine to the pallet.
- 6. Using the picture below, ensure that all parts are present and in good condition.



Figure 1: Inventory NOTE: Electrical cord and plug are not included. LAGUNATOOLS.COM

DESCRIPTION (QUANTITY)

- A. Box (4 Casters & hardware)
- B. Owner's Manual (1)
- C. CR-2032 Batteries (2)



Figure 2: Casters & Hardware

Report any missing or damaged parts to your dealer or distributor. Prior to machine assembly and use, read this manual thoroughly to familiarize yourself with proper assembly, maintenance and safety procedures.

ASSEMBLY



This step requires a forklift. The SuperBrush 49 is heavy, be careful when lifting and handling it with a forklift! Failure to comply may cause serious injury and/or damage to the machine and/or property!

Tools/items Required: 9/16" wrench 1/2" wrench 5mm hex wrench Power Cord and Plug (unless hard wiring into a disconnect)

To assemble your SuperBrush 49, follow these steps:

For your own safety, do not connect the machine to the power source until the machine is completely assembled. Please also make sure that you read and understand the entire manual.

1. Make sure the four locking set screws in the Table Support Casting are tight. Unbolt machine from pallet. Using a forklift, lift the SuperBrush 49 from the pallet. The forks should lift from under the conveyor support cross members. Be careful when placing the forks not to damage other areas or wiring, Fig. 3 & 5.



Figure 3: Table Support Set Screws

2. Attach the four casters to the legs of the machine by using the included bolts and washers through each hole of the caster (from the bottom-up) into the leg of the machine, Fig. 4. Start all four bolts and washers before tightening the bolts.



Figure 4: Attaching casters

3. Lower the machine to the floor.

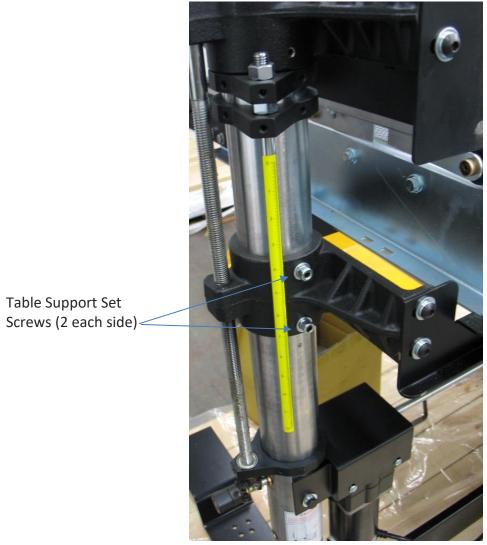


Figure 5: Table Support Set Screws

4. Loosen the four nuts then the four set screws locking the table support casting, Fig. 5. Finger tighten these same set screws. Hold the set screw with a Hex wrench and tighten the nut. Note, these set screws are brass tipped and are designed to lightly rub on the column.

5. Loosen the two set screws in the motor support casting, Fig. 6. Important: Loosen these set screws before attempting to raise or lower motor for brush installation!

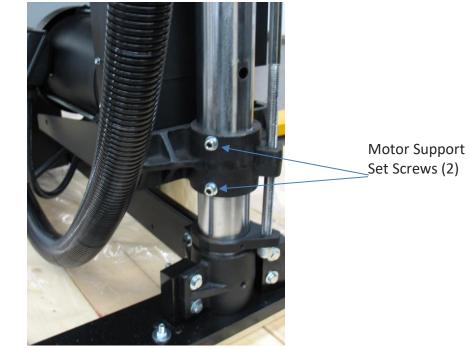


Figure 6: Motor Lock Set Screws

6. Check tightness of all hardware.

NOTE: shipping can loosen nuts, bolts and set screws.

- 7. Remove shipping shaft from brush machine, Fig. 7;
 - A. Loosen drive belt by raising motor with motor tension handle on top of the column near drive belt.
 - B. Slide drive belt off pulley.
 - C. Remove two bolts from each bearing.
 - D. Remove shipping shaft from brush sander.
 - E. Loosen set screws in each bearing and driven pulley.
 - F. Slide pulley and bearings off shaft.

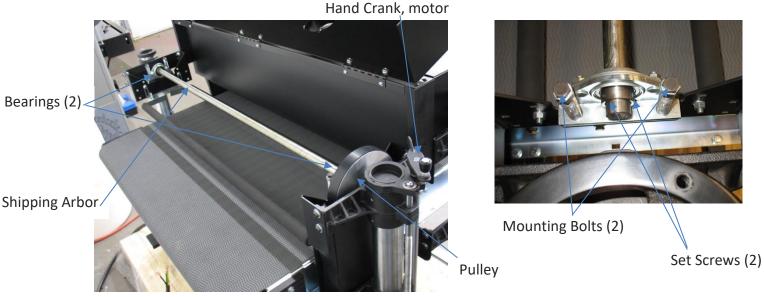


Figure 7A & B: Shipping Arbor and Bearings

- 8. Installing brush head;
 - A. Install brush head (if not already installed) by removing brush head from shipping box.
 - B. Slide one bearing (from Shipping Arbor) on each end of the brush shaft. Do not yet tighten the set screws for the bearing collar, Fig. 7B.
 - C. Place the shaft key into the key slot of the drive shaft of the brush head.
 - D. Slide the pulley, Fig. 7A (from Shipping Arbor) onto the drive shaft over the key.
 - E. Raise the main motor by using the hand crank, Fig. 7A, at the top of the column to lift the motor.
 - F. Place the brush head into the brush machine while holding the drive belt out-of-the-way.
 - G. Center the brush head over the conveyor and install Mounting Bolts, Fig. 7B, from the flange of the bearing into the mating bracket of the brush machine. Tighten the bearing mounting bolts.
 - H. Tighten the two set screws, Fig. 7B, in each bearing collar to secure the brush head shaft to the bearings.
 - I. Align the pulley of the brush head with the drive pulley of the main motor. Secure by tightening the set screw(s) in the driven pulley.
 - J. Lower the main motor for proper tension of the drive belt. Proper tension is slight deflection of the drive belt when pressed from the side.
 - K. Make sure all bolts and set screws are tight.

9. <u>Check alignment (parallelism)</u> of the brush head to the conveyor. Measure from the bottom of the brush bristles to the top of the conveyor belt on the right and left side. If the brush head is not parallel;

- A. loosen the two bearing bolts (that secure the bearing to the machine) on the lower side of the brush, Fig. 8.
- B. Raise the bearing on the low side by using a hex wrench in the center of the bearing stud and rotate both equally until the brush head is parallel.
- C. Tighten the bolts attaching the bearing to the machine bracket.

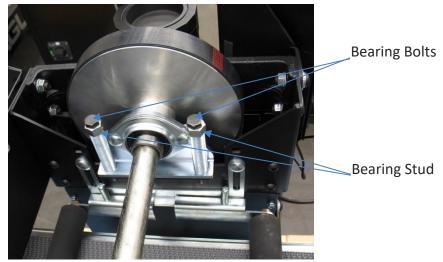


Figure 8: Aligning Brush Head

Dust Collection, Connection/Assembly

1. Connect dust collection hose to each 4" port on machine. Minimum of *600 CFM per port.

*NOTE: The CFM requirement can vary depending on brush head, application(s) and material.



Figure 9: Dust Ports

Dust Ports (3)

COMPONENTS



Figure 10: Main Components of SuperBrush 49

NOTE: Assembly is continued in next section "Power Supply"

POWER SUPPLY

Power Supply Circuit Requirements

The power source circuit for your machine must be grounded and rated for the amperage given below. Never replace a circuit breaker on an existing circuit with one of higher amperage without consulting a qualified electrician to ensure compliance with wiring codes. **If you are unsure about the wiring codes in your area or you plan to connect your machine to a shared circuit, consult a qualified electrician.**

Circuit Size (208-230V, 3-Phase)30 Amp minimum



IN ALL CASES, MAKE CERTAIN THE RECEPTACLE IN QUESTION IS PROPERLY GROUNDED. IF YOU ARE NOT SURE, HAVE A QUALIFIED ELECTRICIAN CHECK THE RECEPTACLE.

MOTOR SPECIFICATIONS

The typical main motor is 10 HP and is typically wired for 208-230 Volt, Three Phase, 60 HZ, AC current. Confirm your motor electrical configuration before connecting power! Before connecting the machine to the power source, make sure the starter and switches are in the "OFF" position. Cord and "plug" are NOT included. These must be installed by a qualified technician/electrician to local codes.



Figure 11: Electrical Connection Box

NOTE: A "plug" and cord are NOT included and must be installed by a qualified technician/electrician or the power cable connected (hard wired) to an appropriate disconnect according to local codes.



A qualified electrician should do the connection. When completed, the machine must conform to the National Electric Code and all local codes and ordinances.

FUNCTION, Control Panel (Front)

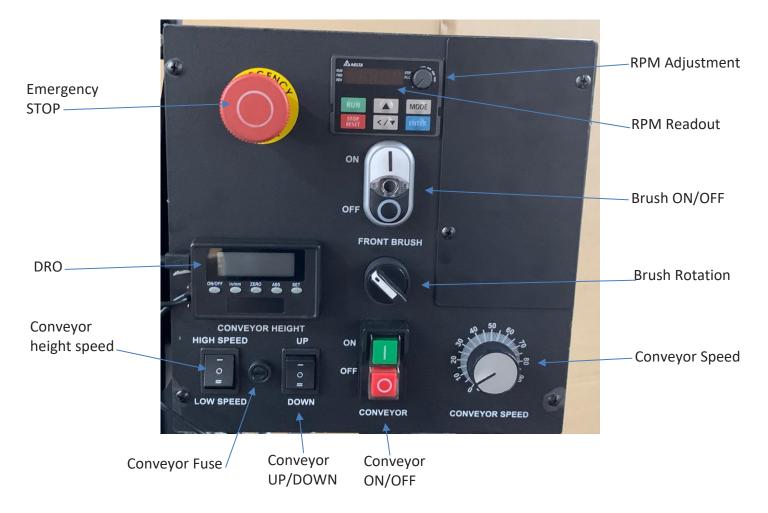


Figure 12: Control Panel Components

FUNCTION, Control Panel Back



Figure 13: Control Panel Components (Back)

NOTE: The speed of "High Speed" Conveyor lifting can be adjusted on the back of the

control panel with a rotating stud.

WIRING DIAGRAMS

POWER CONNECTIONS

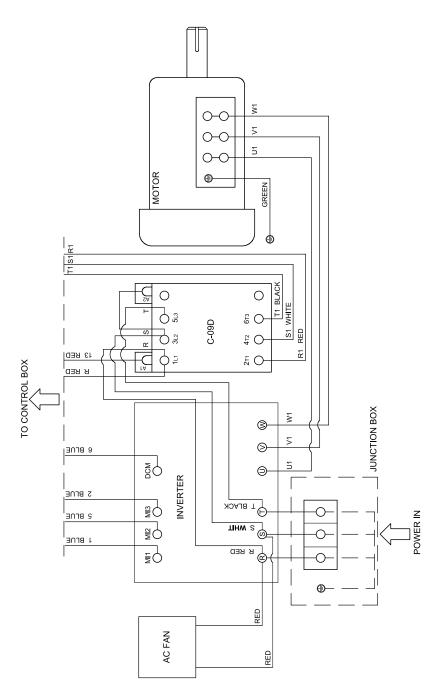


Figure 14: Power Connections & Wiring

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INTERNAL WIRING

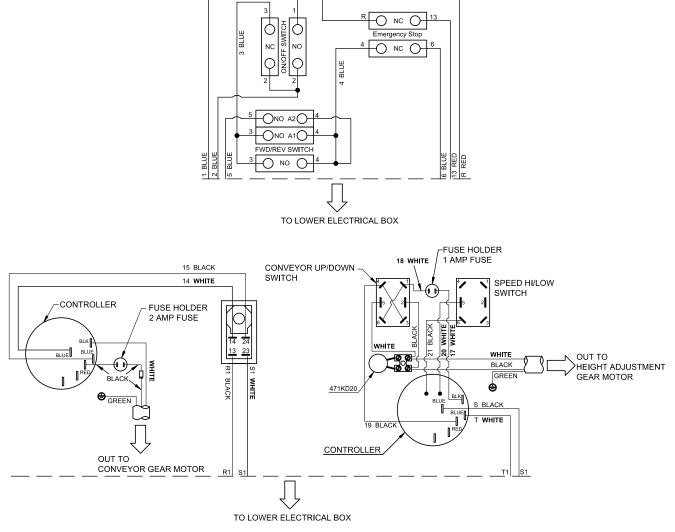


Figure 15: Internal Wiring

OPERATION

1. Confirm brush head is parallel to conveyor bed. See Page 17, "Checking Parallelism" to adjust if necessary.

2. Confirm the electrical supply is correct and connected to machine.

3. Make sure no one is working on or doing maintenance to machine.

4. Adjust contact of brush head onto material to be processed by either turning the height adjustment handle (1 revolution equals 1/32"), or by pressing the UP/DOWN switch on the control panel. NOTE: brush contact will vary with application(s), material and brush head configuration. Confirm correct contact with sample testing information or your salesperson.



Electronic – Height Adj.

Figure 16: Height Control Adjustments

Manual Height Adj.



Figure 17: Height Control Adjustment, electronic

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5. Confirm correct contact of hold-down (pressure) rollers. Adjust contact by loosening the roller bracket in each corner and raising or lowering to provide proper tension. Correct tension is achieved when material feeds through brush properly without slipping on the conveyor belt.

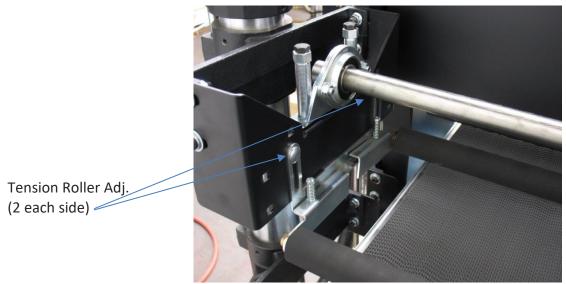


Figure 18: Tension (Hold-Down) Roller Adjustment

6. DRO;

Install two CR-2032 batteries (included) by pulling the DRO from the Control Box and removing the battery cover from the back and installing the batteries.

DRO Calibration; the typical method to use the DRO is to read the bristle penetration into stock being processed.

- A. With machine "OFF", place stock under the brush head.
- B. Adjust conveyor table (up or down) until the tip of the longest bristles are just about touching the material.
- C. Press "ON" to turn the DRO on, Fig. 19.
- D. Press "ZERO" to zero out the DRO, Fig. 19.
- E. Press "in/mm" to select desired inch or millimeter setting, Fig. 19.
- F. Remove material from under brush.
- G. Raise conveyor to desired setting/bristle penetration. See sample letter or confirm appropriate bristle penetration with salesperson.

NOTE: Appropriate bristle penetration will change with various applications, materials and brush wear. Adjust accordingly.



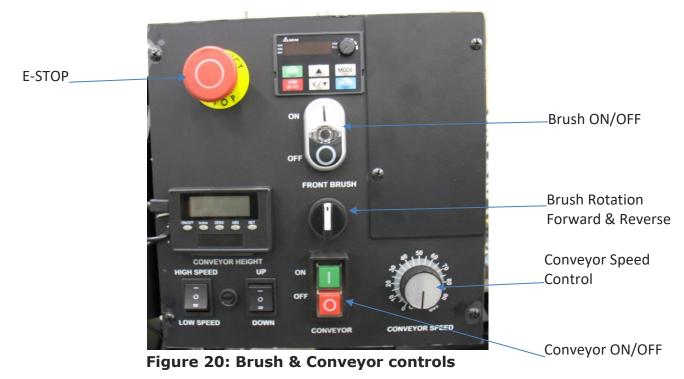
Excessive bristle penetration will prematurely shorten brush life! LAGUNATOOLS.COM



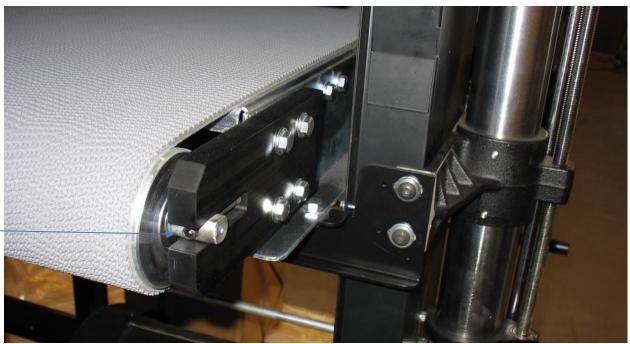
Figure 19: DRO calibration

7. To start brush, press the "FRONT BRUSH" "ON" button on the front of the Control Panel, (Fig. 19 & 39). Confirm brush rotation is correct for application and material. If not correct, press OFF button, wait for machine to stop. Change rotation with rotation switch with "Front Brush". Turn ON brush.

- 8. Staring Conveyor;
 - A. To start conveyor, press "CONVEYOR" "ON" button, Fig 20: B. Adjust speed of conveyor with "CONVEYOR SPEED" dial, 0-100%.



NOTE: Conveyor belt will require (periodic) adjustment to maintain proper tacking on conveyor bed. Adjust by tightening the adjustment stud, Fig. 21, with a **5mm Hex Wrench**) on the side the belt is drifting toward and loosen the opposite side an equal rotation.



NOTE: Make adjustments before conveyor belt rubs on side of conveyor bed.

Tracking Stud (2) _____

Figure 21: Conveyor Tracking

9. Adjust RPM of brush head by rotating knob on "VFD", Fig. 12 (Variable Frequency Display) adjustment panel on top of main control panel. Confirm correct RPM with sample testing information or your salesperson. RPM reads out on display.



Excessive RPM will prematurely shorten brush life!

10. Start dust collector (open blast gates if so equipped).

11. Place material on conveyor and maintain control of stock until the tension roller is holding stock properly.

12. To stop, press the "OFF" buttons for the brush and conveyor, Fig. 20. Press the "E-STOP" button if there is an Emergency, Fig. 20! To reset the E-STOP button, twist and pull back on the button.



The EMERGENCY STOP button should only be used for an Emergency! It disconnects all power to the machine during an Emergency. It should not be used as the normal shut down procedure and it should not be used when conducting maintenance. Power should be positively disconnected to the machine for maintenance or repairs.

MAINTENANCE

Conveyor Belt

Keep conveyor belt centered on conveyor bed. Adjust tracking stud as needed.

Keep conveyor belt clean to help prevent slippage of material.

Dust Collection

To ensure proper operation and longest brush life of the SuperBrush it is important to maintain full air flow of your dust collection system. Make sure the filter media is clean and there are no obstructions in the ducting.

TROUBLESHOOTING

Symptom	Possible Cause	Possible Solution
Machine does not start or a	Power supply switched OFF or is faulty.	Ensure power supply is ON and has the correct voltage.
breaker trips.	Wall fuse/circuit breaker is blown/tripped.	Ensure adequate circuit size; install inlet restrictor, replace weak breaker.
	Faulty power switch.	Replace switch.
	Motor is at fault.	Test/repair/replace.

STAND ASSEMBLY

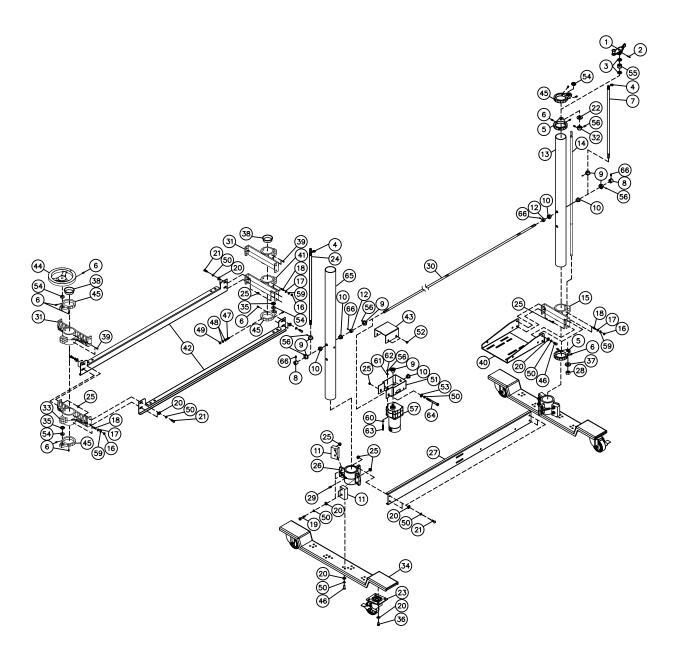


Figure 22: Stand Assembly

Stand Assembly Parts List

otana				
Ref. F				•
<u>No. N</u>	<u>10.</u>	Description HANDLE, SWIVEL ASSY	<u>Size</u>	<u>Qty.</u>
13	31-0020	HANDLE, SWIVEL ASSY		1
		ROLL PIN		
		OILITE WASHER		
		E-RING		
		SUPPORT, ADJUSTING SCREW		
		SET SCREW		
		SCREW, INBOARD HEIGHT ADJ. FOLLOW		
		SPACER		
		GEAR, MITER HEAVY DUTY		
		OILITE ROUND BUSHING		
		SUPPORT BLOCK		
		SHAFT COLLAR		
		TUBE, COLUMN		
		SCREW, RPM, MOTOR		
		MOUNT, MOTOR		
		HEX NUT		
		FLAT WASHER		
		. SET SCREW, BRASS TIPPED		
		HEX CAP SCREW		
		FLAT WASHER		
		SOCKET HEAD BUTTON SCREW		
		NYLON WASHER		
		CASTER		
24 3	80-1241	SCREW, OUTBOARD HEIGHT ADJ. MAIN		1
25 1	2-0209	FLANGE LOCK NUT	. 3/8"-16	25
26 3	80-1101-1	BASE, COLUMN		2
279	3497-2-127	BASE SUPPORT BRACKET		1
28 1	2-8015	NYLON INSERT LOCK NUT	. 5/8"-11	1
29 1	0-8905	SET SCREW	. 1/2"-13X1/2"	2
		ROD, TRANSFER		
		SUPPORT BRUSH		
		SPACER		
		SUPPORT, OUTBOARD TABLE		
		BASE		
		WASHER, OILITE		
		HEX CAP SCREW		
379	1267-146	FLAT WASHER	. 5/8"X30X3t	1
388	80-4015	CAP, PLASTIC COLUMN TUBE		
391	0-2903	SET SCREW	5/16"-18X3/8"	8
		MOTOR MOUNT		
		SUPPORT, INBOARD TABLE		
		BRACKET, TABLE MOUNT		
		COVER		
44 3	1-0027	HANDLE, SWIVEL, LARGE		1
45 3	30-1112-0	SUPPORT, ADJUSTING SCREW, W/BEARING		۰۱ ۲
46 9	3497-2-146	SOCKET HEAD BUTTON SCREW	3/8"-16X1"	12
		SET SCREW, BRASS TIPPED		
		. FLAT WASHER		
		HEX NUT		
		LOCK WASHER		
		SUPPORT BRACKET		
		SCREW		
		. FLAT WASHER		
559				1

Ref. Part			
<u>No. No.</u>	Description	<u>Size</u>	<u>Qty.</u>
54 BB-R8ZZ	BEARING	. R8ZZ	4
55 93267-2-155	SPACER		1
56 10-8802	SET SCREW	. 5/16"-18X1/4"	14
57 93497-157	DC GEAR MOTOR	. 180VDC	1
59 480BS-167	LOCK WASHER	. 5/16"	6
60 635DS-343	FLAT WASHER	. M6	4
61 93267-2-413	LOCK WASHER	. M6	4
62 635DS-344	HEX NUT	. M6X1.0	4
63 93267-2-409	SOCKET HEAD CAP SCREW	. M6X1.0X80	4
64 91267-242	HEX CAP SCREW	. 3/8"-16X4"	1
65 93497-165	TUBE, COLUMN		1
66 93267-2-158	. SET SCREW	. 1/4"-20X1/4"	4

HEAD ASSEMBLY

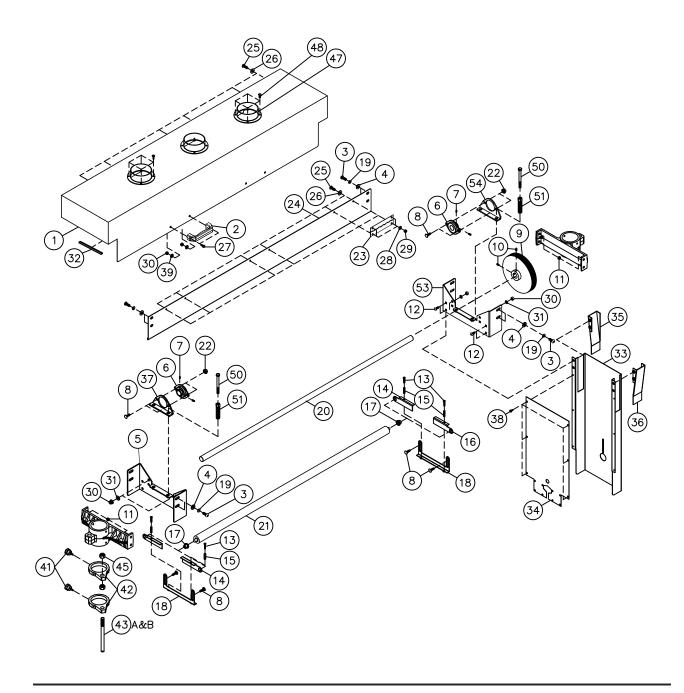


Figure 23: Head Assembly (without brush)

Head Assembly Parts List

	Part	Description	Sino	0414
<u>1</u>	<u>No.</u>	Description DUST COVER	<u>Size</u>	Qty.
		. HANDLE, DUST COVER		
		. SOCKET HEAD BUTTON SCREW		
		. SOCKET HEAD BUTTON SCREW		
		BRACKET, BEARING MOUNTING		
		BEARING		
		. SET SCREW		
		CARRIAGE BOLT		
		. PULLEY		
		. SET SCREW		
		. FLANGE LOCK NUT		
		. SOCKET HEAD BUTTON SCREW		
		SCREW		
		. BRACKET, LEFT SUSPENSION		
		. SPRING, TENSION ROLLER		
		. BRACKET, RIGHT SUSPENSION		
		OILITE ROUND BUSHING		
18	40-0322	. BRACKET, SUSPENSION BASE		2
19	480BS-111	LOCK WASHER	. 3/8"	8
20	93497-2-220	. ROD		1
		. ROLLER TENSION		
22	12-0207	. FLANGE LOCK NUT	. 5/16"-18	4
23	40-0225	. HINGE		3
24	40-4048	BRACKET, DUST COVER MOUNTING		1
		SCREW		
		INTERNAL TOOTH LOCK WASHER		
		SCREW		
		FLAT WASHER		
		. HEX NUT		
		. HEX NUT		
31	11-0505	INTERNAL TOOTH LOCK WASHER	5/16"	4
33	40-0009	. GUARD, BELT COVER	. 0/10	
		. GUARD, BELT, PLATE		
		. GUARD, RIGHT BELT COVER		
		. GUARD, LEFT BELT COVER		
		BEARING SET		
		. SLOTTED HEX HEAD SCREW		
		. FLAT WASHER		
39	030DS-207	. KNOB, LOCKING W/SET SCREW	. 5/10	4
		. SUPPORT, ADJUSTING SCREW		
		DEPTH GAUGE ROD		
		. DECAL, SCALE		
		HEX NUT		
		DUST PORT		
		SCREW		
		HEX CAP SCREW		
51	93267-2-251	ADJUSTMENT NUT		4
53	93497-2-253	BRACKET, BEARING MOUNTING		1
54	93497-2-254	BEARING SET		1

CONVEYOR ASSEMBLY

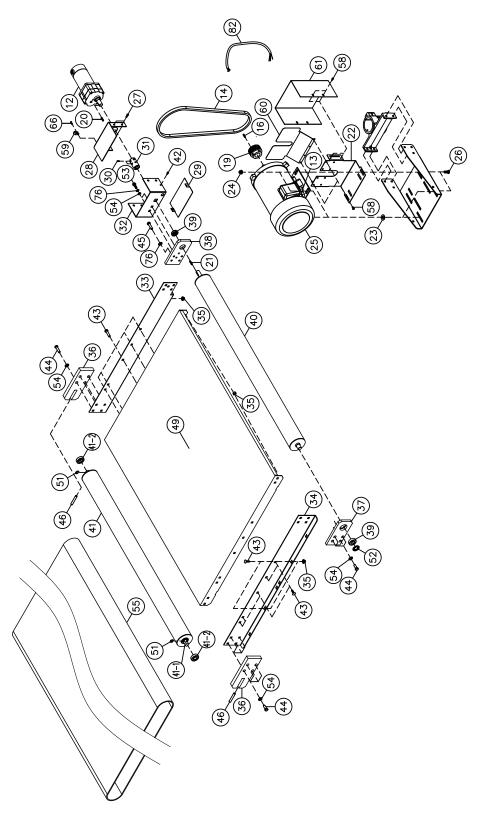
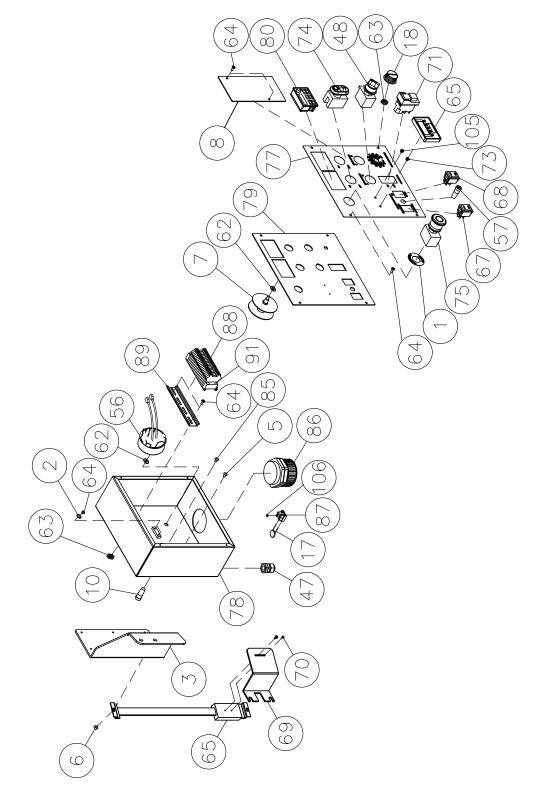


Figure 24: Conveyor Assembly



CONTROL PANEL ASSEMBLY (Incl. w/Conveyor Parts)

Figure 25: Control Panel Assembly (Included with Conveyor parts list)

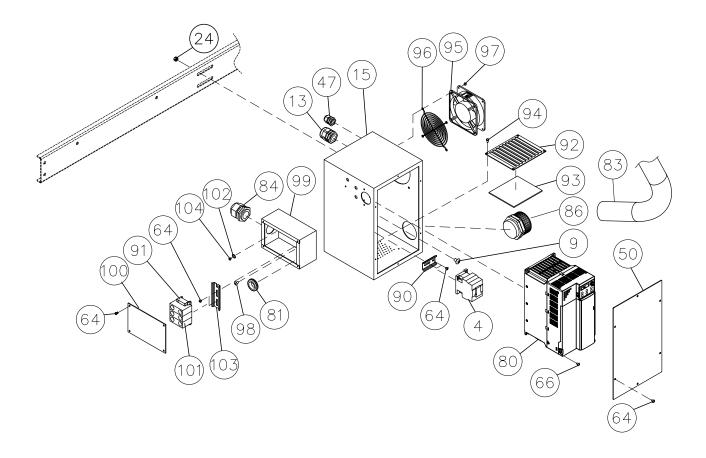


Figure 26: VFD & Power-In Assembly (included with Conveyor parts list)

Conveyor Assembly Parts List, includes Control Box & VFD

Ref. Part			
<u>No. No.</u>	Description	Size	Qty.
1635DS-361	EMERGENCY STOP LABEL		1
293267-2-302	EXTERNAL TOOTH LOCK WASHER	M4	2
393497-2-303	CONTROL BOX SUPPORT BRACKET		1
493497-2-304	CONTACTOR		1
	SOCKET HEAD BUTTON SCREW		
	HEX NUT		
	CONTROLLER, 180 VDC, VARIABLE SPEED, CONVEYOR		
9 93497-2-309		5/16"-18X5/8"	2
	FUSE HOLDER		
	DC GEAR MOTOR		
	STRAIN RELIEF		
	POLY-V BELT		
	LOWER CONTROL BOX		
	KEY		
17 02267 2 247	ZINC OXIDE VARISTOR	0X7X00	1
	KNOB		
	PULLEY, DRIVE		
	KEY		
	KEY		
	LOWER, INNER BELT GUARD		
	FLAT WASHER		
	FLANGE LOCK NUT		
	MOTOR, TEFC, 3 Phase		
	CARRIAGE BOLT		
	HEX CAP SCREW		
	CONTROL HOUSING		
	CONTROL BOX BOTTOM COVER		
3010-8902	SET SCREW	5/16"-18X3/8" .	4
3193497-2-331	COUPLER		1
3293497-2-332	BRACKET, CONTROL HOUSING		1
3393497-2-333	RAIL, BED RH		1
	RAIL, BED LH		
	FLANGE LOCK NUT		
	BRACKET, DRIVEN ROLLER SUPPORT		
	BRACKET, DRIVE ROLLER SUPPORT LH		
	BRACKET, DRIVE ROLLER SUPPORT RH		
	BEARING, DRIVE ROLLER		
	ROLLER, DRIVE		
	ROLLER, DRIVEN		
	SCREW		
	CARRIAGE BOLT		
	HEX CAP SCREW		
	HEX CAP SCREW		
	SET SCREW		
	SET SCREW STRAIN RELIEF		
	FWD/REV SWITCH		
	CONVEYOR BED		
	LOWER CONTROL BOX COVER		
	E-RING		
	STARKLOCK		
53480BS-177	HEX CAP SCREW	3/8"-16X3/4"	2

No. Description Size Gtv. 54 .11-0104 FLAT WASHER .3/8"X20X21 .14 55 .61-1017 BELT, CONVEYOR POLYURETHANE .1 56 .93267-2-359 CONTROLLER, 180 VDC, VARIABLE SPEED, CONVEYOR .1 57 .72-6202-1 FUSE HOLDER .1 58 .10-3803 SLOTTED HEX HEAD SCREW #10-24X3/8" 59 .93267-2-359 CORD HOLDER .1 61 .40-0012 .GUARD, BELT ANGLED .1 61 .40-0012 .GUARD, BELT ANGLED .1 62 .72-1270-3 .FLAT WASHER .5/16"-32 .2 64 .PLAREVO1836-112S, SCREW M4X0.7X6 .21 65 .93267-2-365 .LCD MONITOR .4 .1 68 .72-2051 .SWITCH, HIGH/LOW .1 .1 68 .72-2051 .SWITCH, DRUMN .1 7.4 .72-2004E .0NOFF SWITCH, CONVEYOR .1 7.72-2014 .0NUCF SWITCH, CONVEYOR .1	Ref. Part			
55 61-1017 BELT, CONVEYOR POLYURETHANE 1 56 93267-2356 CONTROLLER, 180 VDC, VARIABLE SPEED, CONVEYOR. 1 57 72-6202-1 FUSE HOLDER 1 59 93267-2359 CORD HOLDER 1 60 40-0012 GUARD, BELT ANGLED 1 61 40-0011 GUARD, BELT LOWER 1 62 72-1270-3 FLAT WASHER 5/16 ⁺ 32 2 64 72-1270-4 JAN NUT 5/16 ⁺ 32 2 64 72-1270-3 FLAT WASHER 5/16 ⁺ 32 2 64 72-1270-4 JAN NUT 5/16 ⁺ 32 2 65 93267-2-355 GU MONITOR M4X0.7X6 21 66 913002-169 SCREW M4X0.7X8 5 71 72-2051 SWITCH, UP/DOWN 1 1 72 93497-2-3379 SCREW M3X0.5X8 2 71 72-204E ON/OFF SWITCH, CONVEYOR 1 1 72	<u>No. No.</u>	Description	<u>Size</u>	<u>Qty.</u>
56	5411-0104	FLAT WASHER	. 3/8"X20X2t	14
57 .72-6202-1 FUSE HOLDER #10-24X3/8" 6 59 .93267-2-369 CORD HOLDER				
58	5693267-2-356	CONTROLLER, 180 VDC, VARIABLE SPEED, CONVEYOR		1
59. 93267-2:359 CORD HOLDER. 1 60. 40-0012 GUARD, BELT ANGLED. 1 61. 40-0011 GUARD, BELT LOWER. 1 62. 72-1270-4. JAM NUT 5/16".1D. THIN. 63. 72-1270-4. JAM NUT 5/16".32. 2 64. PLAREVOI836-1152. SCREW M4X0.7X6. 21 65. 93267-2:365. LCD MONITOR M4X0.7X8. 5 67. 72-2051. SWITCH, HIGHLOW. M4X0.7X8. 5 67. 72-2051. SWITCH, UP/DOWN. 1 1 69. 93497-2-369. DRO MOUNTING PLATE 1 1 70. 93267-2:370. SCREW M3X0.5X8. 2 1 71. 72-2004E. ON/OFF SWITCH, DRUM. 1 1 1 72. 93497-2:370. SCREW M3X0.5X6. 1 1 72. 9497-2:373. SCREW M3X0.5X6. 1 1 74. PLAREVO1836-170. DN/OFF SWITCH, DRUM. 1 1 1 1 1 1	5772-6202-1	FUSE HOLDER		1
6040-0012GUARD, BELT ANGLED				
61 40-0011 GUARD. BELT LOWER 1 62 72-1270-3 FLAT WASHER 5/16" I.D. THIN 2 63 72-1270-4 JAM NUT 5/16" I.D. THIN 2 64 PLAREVO1886-1152. SCREW M4X0.7X8. 1 65 93267-2-365. LCD MONITOR 1 1 66 913002-169. SCREW M4X0.7X8. 1 67 72-2051 SINTCH, HIGH/LOW 1 1 68 72-2050 SWITCH, UP/DOWN 1 1 70 93267-2-370. SCREW M3X0.5X8. 2 71 72-204E ON/OFF SWITCH, CONVEYOR 1 1 73 93267-2-373. SCREW M3X0.5X6. 1 74 PLAREVO1836-170. ON/OFF SWITCH, DRUM 1 1 75 PLAREVO1836-171. EMERGENCY STOP 1 1 76 48085-111. LOCK WASHER 3/8". 6 77 93497-2-378. UPPER CONTROL BOX 1 1 79 93497-2-380. INVERTER 1				
62. 72-1270-3. FLAT WASHER. 5/16" I.D. THIN. 2 63. 72-1270-4. JAM NUT 5/16" I.D. THIN. 2 64. PLAREVO1336-1152. SCREW M4X0.7K6. 21 65. 93267-2-365. LCD MONITOR 1 66. 913002-169. SCREW M4X0.7X8. 5 67. 72-2051. SIWTCH, UP/DOWN 1 1 69. 93497-2-369. DRO MOUNTING PLATE 1 07.2.2004E. ON/OFF SWITCH, CONVEYOR 1 71. 72-2042E. ON/OFF SWITCH, DRUM 1 72. 93267-2-373. SCREW M3X0.5X6. 1 73. 93267-2-373. SCREW M3X0.5X6. 1 74. PLAREVO1386-170. ON/OFF SWITCH, DRUM. 1 1 75. PLAREVO1386-171. EMERGENCY STOP. 1 1 76. 480BS-111. LOCK WASHER. 3/8". 6 77. 93497-2-377. CONTROL PANEL LABEL 1 1 79. 93497-2-380. INVERTER. 1 1				
6372-1270-4JAM NUT				
64. PLAREVOI836-1152. SCREW M4X0.7X6. 21 65. 93267-2-365. LCD MONITOR 1 67. 72-2051. SIWTCH, HIGHLOW. 1 68. 972-050. SWITCH, UP/DOWN. 1 69. 93497-2-369. DRO MOUNTING PLATE 1 70. 93267-2-370. SCREW. M3X0.5X8. 2 71. 72-204E. ON/OFF SWITCH, CONVEYOR. 1 72. 93267-2-373. SCREW. M3X0.5X6. 1 73. 93267-2-373. SCREW. M3X0.5X6. 1 74. PLAREVO1836-171. EMERGENCY STOP. 1 1 75. PLAREVO1836-171. EMERGENCY STOP. 1 1 76. 480BS-111. LOCK WASHER 3/8". 6 77. 93497-2-377. CONTROL BOX COVER. 1 1 79. 93497-2-378. UPPER CONTROL BOX COVER. 1 1 79. 93497-2-380. INVERTER 1 1 80. 93497-2-383. POYELEX-CORRUGATED PIPES 1 81				
65. 93267-2-365. LCD MONITOR 1 66. 913002-169. SCREW M4X0.7X8. 5 67. 72-2051 SIWTCH, HIGH/LOW 1 68. 72-2050. SWITCH, UP/DOWN 1 69. 93497-2-369. DRO MOUNTING PLATE 1 70. 93267-2-370. SCREW M3X0.5X8. 2 71. 72-2004E. ON/OFF SWITCH, CONVEYOR 1 1 72. 93497-2-372. EXTENSION CORD (NOT SHOWN), INVERTER 1 73. 93267-2-373. SCREW M3X0.5X6. 1 74. PLAREV01836-170. ON/OFF SWITCH, DRUM. 1 1 75. PLAREV01836-170. ON/OFF SWITCH, DRUM. 1 1 76. #0808-111 LOCK WASHER 3/8". 6 77. 93497-2-377. CONTROL PANEL LABEL 1 1 78. 93497-2-380. INVERTER 3/8". 1 79. 93497-2-380. INVERTER 1 1 80. 93497-2-380. INVERTER 1 1				
66				
67. 72-2051 SIWTCH, HIGH/LOW 1 68. 72-2050 SWITCH, UP/DOWN 1 70. 93267-2-370 SCREW M3X0.5X8 2 71. 72-2004E ON/OFF SWITCH, CONVEYOR 1 72. 93497-2-372 EXTENSION CORD (NOT SHOWN), INVERTER 1 73. 93267-2-373 SCREW M3X0.5X6 1 74. PLAREVO1836-170. ON/OFF SWITCH, DRUM 1 1 75. PLAREVO1836-170. ON/OFF SWITCH, DRUM 1 1 76. #080BS-111 LOCK WASHER 3/8" 6 77. 93497-2-377 CONTROL PANEL LABEL 1 1 78. 93497-2-378 UPPER CONTROL BOX 1 1 79. 3497-2-380 INVERTER 3/8" 6 71. 93497-2-383 POYFLEX-CORRUGATED PIPES 1 1 81. PLAREV01216-205. RUBBER BUSHING D25 1 82. 93497-2-385 SOCKET HEAD BUTTON SCREW M5X0.8X16 1 84. 93497-2-386 FIELTIBLE CONDUIT ADAPTOR				
6872-2050				
6993497-2-369. DRO MOUNTING PLATE 1 7093267-2-370. SCREW M3X0.5X8 2 7172-2004E. ON/OFF SWITCH, CONVEYOR 1 7293497-2-372. EXTENSION CORD (NOT SHOWN), INVERTER. 1 7393267-2-373. SCREW M3X0.5X6 1 74PLAREVO1836-170. ON/OFF SWITCH, DRUM. 1 1 75PLAREVO1836-171. EMERGENCY STOP. 1 1 76480BS-111. LOCK WASHER 3/8". 6 7793497-2-377. CONTROL PANEL LABEL 3/8". 6 7893497-2-379. UPPER CONTROL BOX 1 1 7993497-2-380. INVERTER 1 1 8093497-2-380. INVERTER 1 1 81PLAREVO1216-205. RUBBER BUSHING D25. 1 8293497-2-383. POYFLEX-CORRUGATED PIPES 1 1 8493497-2-385. SOCKET HEAD BUTTON SCREW M5X0.8X16. 1 8593497-2-386. FIEXIBLE CONDUIT ADAPTOR PF2" 2 8793497-2-387. TERMINAL BLOCK 1 1 89				
7093267-2-370SCREW M3X0.5X8				
7172-2004EON/OFF SWITCH, CONVEYOR 1 7293497-2-372 EXTENSION CORD (NOT SHOWN), INVERTER. 1 7393267-2-373 SCREW M3X0.5X6. 1 74PLAREV01836-170ON/OFF SWITCH, DRUM 1 1 7 75PLAREV01836-171. EMERGENCY STOP 1 1 76480BS-111 LOCK WASHER 3/8" 6 7793497-2-377 CONTROL PANEL LABEL 1 1 7893497-2-378 UPPER CONTROL BOX 1 1 7993497-2-379 UPPER CONTROL BOX COVER 1 1 8093497-2-380 INVERTER 1 1 81914497-2-382 MOTOR CORD, FRONT MOTOR D25 1 8293497-2-382 MOTOR CORD, FRONT MOTOR 1 1 8393497-2-385 SOCKET HEAD BUTTON SCREW M5X0.8X16 1 8493497-2-385 SOCKET HEAD BUTTON SCREW M5X0.8X16 1 8693497-2-386 FIEZNHAD BLOCK 1 1 8993497-2-386 FEED-THRUOGH TERMINALS 15 8993497-2-390 DIN RAIL 1 1 90.				
7293497-2-372EXTENSION CORD (NOT SHOWN), INVERTER				
7393267-2-373 SCREW M3X0.5X61 74PLAREV01836-170ON/OFF SWITCH, DRUM 1 75PLAREV01836-171EMERGENCY STOP 1 76480BS-111LOCK WASHER 3/8" 6 7793497-2-377CONTROL PANEL LABEL 1 7893497-2-378UPPER CONTROL BOX 1 7993497-2-378UPPER CONTROL BOX COVER 1 8093497-2-380 INVERTER 81PLAREV01216-205. RUBBER BUSHING D25 8293497-2-382 MOTOR CORD, FRONT MOTOR 1 8393497-2-383 POYFLEX-CORRUGATED PIPES 1 8493497-2-385 SOCKET HEAD BUTTON SCREW M5X0.8X16 1 8593497-2-386 FIELIE CONDUIT ADAPTOR PF2" 2 8793497-2-387 TERMINAL BLOCK 1 8893497-2-389 DIN RAIL 1 1 90	7172-2004E	ON/OFF SWITCH, CONVEYOR		1
74PLAREV01836-170 ON/OFF SWITCH, DRUM				
75PLAREV01836-171. EMERGENCY STOP				
76480BS-111 LOCK WASHER 3/8" .6 7793497-2-377. CONTROL PANEL LABEL .1 7893497-2-378 UPPER CONTROL BOX .1 7993497-2-379 UPPER CONTROL BOX COVER .1 8093497-2-380 INVERTER .1 81PLAREV01216-205 RUBBER BUSHING D25 .1 8293497-2-382 MOTOR CORD, FRONT MOTOR .1 1 8393497-2-383 POYFLEX-CORRUGATED PIPES .1 1 8493497-384 STRAIN RELIEF PG-29 .1 8593497-2-385 SOCKET HEAD BUTTON SCREW M5X0.8X16 1 8693497-2-386 FIEXIBLE CONDUIT ADAPTOR PF2" 2 8793267-2-387 TERMINAL BLOCK .1 1 8993497-2-389 DIN RAIL .1 1 9093497-2-389 DIN RAIL .1 1 9193497-2-391 END BRACKET .4 2 9393497-2-392 FILTER SPONGE PLATE .1 1 9393497-2-394 HEX CAP SCREW M5X0.8X8 4 9593497-2-394 METAL FAN GUARDS </td <td>74PLAREVO1836-170</td> <td> ON/OFF SWITCH, DRUM</td> <td></td> <td>1</td>	74PLAREVO1836-170	ON/OFF SWITCH, DRUM		1
7793497-2-377CONTROL PANEL LABEL				
7893497-2-378 UPPER CONTROL BOX 1 7993497-2-379 UPPER CONTROL BOX COVER 1 8093497-2-380 INVERTER 1 81PLAREV01216-205 RUBBER BUSHING D25 1 8293497-2-382 MOTOR CORD, FRONT MOTOR 1 8393497-2-383 POYFLEX-CORRUGATED PIPES 1 8493497-2-383 POYFLEX-CORRUGATED PIPES 1 8493497-2-385 SOCKET HEAD BUTTON SCREW M5X0.8X16 1 8693497-2-386 FIEXIBLE CONDUIT ADAPTOR PF2" 2 8793267-2-387 TERMINAL BLOCK 1 1 8893497-2-388 FEED-THRUOGH TERMINALS 15 8993497-2-389 DIN RAIL 1 1 9093497-2-390 DIN RAIL 1 1 9193497-2-391 END BRACKET 4 4 9293497-2-392 FILTER SPONGE PLATE 1 1 9393497-2-393 FILTER SPONGE 1 1 9493497-2-394 HEX CAP SCREW M5X0.8X8 4 9593497-2-395 AC FAN 1 1	76480BS-111	LOCK WASHER	. 3/8"	6
7993497-2-379 UPPER CONTROL BOX COVER 1 8093497-2-380 INVERTER 1 81PLAREV01216-205. RUBBER BUSHING D25 1 8293497-2-382 MOTOR CORD, FRONT MOTOR 1 8393497-2-383 POYFLEX-CORRUGATED PIPES 1 8493497-2-385 SOCKET HEAD BUTTON SCREW M5X0.8X16 1 8693497-2-386 FIEXIBLE CONDUIT ADAPTOR PF2" 2 8793267-2-387 TERMINAL BLOCK 1 1 8893497-2-388 FEED-THRUOGH TERMINALS 15 8993497-2-389 DIN RAIL 1 1 9093497-2-390 DIN RAIL 1 1 9193497-2-391 END BRACKET 4 4 9293497-2-392 FILTER SPONGE PLATE 1 1 9393497-2-393 HEX CAP SCREW M5X0.8X8 4 9593497-2-394 HEX CAP SCREW M5X0.8X10 4 9893497-2-395 AC FAN 1 1 9493497-2-398 SCREW M5X0.8X8 4 9993497-2-398 SCREW M5X0.8X8 4 </td <td></td> <td></td> <td></td> <td></td>				
80				
81 PLAREVO1216-205 RUBBER BUSHING D25 1 82 93497-2-382 MOTOR CORD, FRONT MOTOR 1 83 93497-2-383 POYFLEX-CORRUGATED PIPES 1 84 93497-2-384 STRAIN RELIEF PG-29 1 85 93497-2-385 SOCKET HEAD BUTTON SCREW M5X0.8X16 1 86 93497-2-386 FIEXIBLE CONDUIT ADAPTOR PF2" 2 87 93267-2-387 TERMINAL BLOCK 1 1 88 93497-2-388 FEED-THRUOGH TERMINALS 15 89 93497-2-389 DIN RAIL 1 90 93497-2-390 DIN RAIL 1 91 93497-2-391 END BRACKET 4 92 93497-2-392 FILTER SPONGE PLATE 1 93 93497-2-393 FILTER SPONGE 1 94 93497-2-394 HEX CAP SCREW M5X0.8X8 4 95 93497-2-395 AC FAN 1 1 96 93497-2-396 METAL FAN GUARDS 1 1 97 93497-2-398 S				
8293497-2-382 MOTOR CORD, FRONT MOTOR 1 8393497-2-383 POYFLEX-CORRUGATED PIPES 1 8493497-384 STRAIN RELIEF PG-29 1 8593497-2-385 SOCKET HEAD BUTTON SCREW M5X0.8X16 1 8693497-2-386 FIEXIBLE CONDUIT ADAPTOR PF2" 2 8793267-2-387 TERMINAL BLOCK 1 1 8893497-2-388 FEED-THRUOGH TERMINALS 15 89				
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10593497-2-3105 SCREW1				
10693497-2-3106 HEX NUT1	10593497-2-3105	SCREW	. M3X0.5X20	1
	10693497-2-3106	HEX NUT	. M3X0.5	1

Specifications: SuperBrush 49

Main Motor:	10 HP / 1750 RPM
Electrical:	208V - 230V / 60Hz / 3PH
Circuit:	30 Amp (min.) at 208V, 3PH
Air Volume:	600 CFM per port (min.)
Inlet:	Three 4" ports
Switch:	ON/OFF for main motor, Conveyor & Lift, E-STOP
Packing Size:	72″ x 44″ x 56"
$(L \times W \times H)$	(1829 x 1118 x 1422 mm)
Machine weight:	754 lbs. (342 kg.)
Shipping weight:	1135 lbs. (515 kg.)

SUPPLIES:

Conveyor Belt	
Various brush heads	

61-1017 # varies

Contact Laguna Tools for supplies : Ph: 800.234.1976 www.lagunatools.com

NOTES

LAGUNA TOOLS

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