

# ESTIFRAME

EasyFrame Saw User Instruction Manual

# Welcome!

Thank you for choosing the EasyFrame Saw for your next project! We are excited to be part of your future! We are certain that you will be pleased with your new purchase. EstiFrame Technologies, Inc. takes pride in producing only the finest products for our customers. We are proud and pleased to release the EasyFrame Saw. Our EasyFrame Saw System contains both new features and improvements to your everyday functionality. The EasyFrame Saw System marks our most extensive testing efforts to date.

Your EasyFrame Saw will provide you with years of excellent service. In order to help you, we have included this manual. This user instruction manual contains information necessary to operate and maintain your EasyFrame Saw safely and correctly. Please take the time to familiarize yourself with the EasyFrame Saw by reading and reviewing this manual.

Please carefully read and follow all safety, operation, and maintenance instructions. This guide is here to help you navigate your way around the finer points of setup and the use of your machine as well as maintenance to get the most out of your product.

EstiFrame Technologies, Inc. shall not be responsible for any injuries or any damage to the machinery due to the misuse of the EasyFrame Saw system as it is intended to be used as indicated in the following user instruction manual.

If you should have any questions or concerns regarding your EasyFrame Saw, please feel free to email us at [sales@easyframesaw.com](mailto:sales@easyframesaw.com) or visit us at [www.easyframesaw.com](http://www.easyframesaw.com).

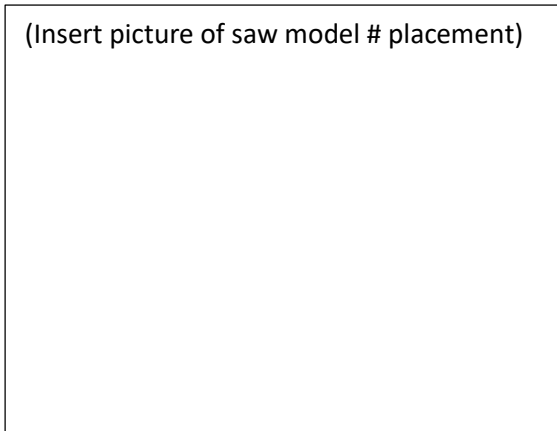
Sincerely,

EstiFrame Technologies, Inc.



**Note this information for future use:**

<b>Model Number:</b>	
<b>Serial Number:</b>	
<b>Purchase Date:</b>	



**Figure 1: Serial & Model Label**

## Limited Warranty

EstiFrame Technologies, Inc. warrants the parts and workmanship of this saw, except for the electric motor, for one year from the date of purchase. EstiFrame Technologies, Inc. will repair or replace, at our discretion, any component that is determined to be defective, repair or replacement is limited to providing replacement parts from the factory. EstiFrame assumes no responsibility for making repairs on site. Parts returned to the factory must be returned freight prepaid and include a Return Authorization (R.A.) number. Please email EstiFrame at sales@easyframesaw.com for a R.A. number.

All motors are warranted directly by the motor manufacturer. See local repair and maintenance centers for warranty claims for motors.

All saws (chop saw or automatic upcut saw) are warranted directly by the saw manufacturer. See local repair and maintenance centers for warranty claims for saws.

EstiFrame Technologies, Inc. assumes no responsibility for any damage or accidents resulting from the misuse of this saw system, its misapplication, or failure to follow precautionary safety measures. EstiFrame Technologies, Inc. assumes no responsibility for any consequential damage or loss of production. EstiFrame Technologies, Inc. will not be responsible for claims made for machines that are not used or maintained in the normal course of business, used for applications not intended, or modified in any way. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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**WARNING! NEVER PUT HANDS OR OTHER BODY PARTS INSIDE THE CUTTING BLADE PATH, OR IN ANY OTHER AREA WHERE THERE ARE MOVING MACHINERY PARTS. SERIOUS INJURY OR DEATH MAY OCCUR.**

**Know Your Equipment**

- Read this manual and all manufacturers’ manuals for all integrated components completely before using or maintaining the equipment. Do not operate this machine unless you have a thorough understanding of the controls, safety devices, emergency stops, and operating procedures outlined in this manual.

- Read and follow all safety notes in this manual as well as in all manufacturers' manuals for all integrated components. Failure to comply with these instructions may result in economic loss, property damage, and/or personal injury including death.
- Refer to the lockout/tagout guidelines on the following pages to safely perform maintenance and troubleshooting of this equipment.
- Observe and obey all safety labels. Replace worn labels immediately.
- Use this equipment solely for the purpose described in this manual.
- Only qualified personnel should attempt to operate or perform maintenance on this equipment.

## About the System

- The EasyFrame Saw system is a plate cutting and detailing saw. It cuts and marks plate accurately for stud placement, component placement and blocking.
- The EasyFrame Saw system is made of several components:
  - The component that takes the lumber, is the lumber feed system.
  - The infeed rail is the component that feeds the lumber to the saw chamber
  - The outfeed component receives finished parts onto the outfeed table.

## Manual (chop saw)

- The Manual chop saw uses the Milwaukee 12" Dual-Bevel Sliding Compound Miter Saw. The Miter Angle Digital Readout provides repeatable accuracy to 0.1°. The Miter Angle Fine Adjust with Detent Override makes it simple to dial-in precise miter angles. Dual Integral Jobsite Lights fully illuminate the work piece and cut line from either side of the blade. The powerful 15.0 Amp, 3.3 Max HP Direct Drive Motor provides increased power for high performance cutting in hard lumber. Constant Power Technology with Soft Start maintains constant cutting speed under load and decreases start up head movement. Please refer to the specific manufacturer's manual for the miter "chop" saw installed.

## Vista Angle Boss Saw

- The Vista Angle Boss Saw uses the Vista Angle Boss M-20 Saw. The M-20 machines miter cut up to 75 degrees from 0 (90 degree cut). Cut length on 2x material with the fence at the standard position (for a single point of cut) is 12 inches. Typical cuts for the M-20 machine are 90 degrees on 2x12, 30 degrees on 2x10s, 45 degrees on 2x8s, 60 degrees on 2x6s and 70 degrees on 2x4s. They are also capable of cutting 2x6s on edge for bevel cuts. 4x4s will be cut with ease. For the standard equipment the M-20 machine has a 20" carbide tipped saw blade that has 10 HP, TEFC, and a 3-phase arbor drive motor. The large scales 0-75 or 90-15 make it easy to read. The M-20 also has a "Quick Adjust Rod" for proper clamp/guard height. Please refer to the Vista Angle Boss Saw Manual and Instructions.

## Vista Straight cut S24

- The Vista Straight Saw uses the Vista Straight Cut S24. The S-24 machine has a 24", 100 tooth, TCG, carbide tipped saw blade. It has a 2-hand control that allows easy to reach and better speed control. The 4" high fence rail clear through machine that helps support and feed multiple pieces at a time. The machines flat tabletop ensures precise square cuts that makes auto feeding materials easy. The S-24 has an up-cut blade that allows for a better clean cut for lumber up to 6x12. Please refer to the Vista Straight Saw Manual and Instructions.

## Personal Safety

- Always wear safety glasses and hearing protection in an industrial environment.
- Utilize a filtering face piece (dust mask) when working near sawdust.
- Wear proper clothing and appropriate personal protective equipment (e.g. safety glasses and hearing protection.) Do not wear loose clothing or jewelry. Confine long hair by tying it back.
- Use caution when lifting heavy parts or material.
- **NEVER PUT HANDS OR OTHER BODY PARTS INSIDE THE CUTTING BLADE PATH, OR IN ANY OTHER AREA WHERE THERE ARE MOVING MACHINERY PARTS. SERIOUS INJURY OR DEATH MAY OCCUR.**

## Specification Sheet

A single blade cutting device, material handling solution, plate marking and production control department.

### Physical Data

Components:	<ul style="list-style-type: none"><li>- Saw with 1 printer and infeed rail</li><li>- Live Deck Auto Infeed – Lumber feed system</li><li>- Touch screen</li></ul>
Servo motors:	Stroke, angle, elevation, LASM, infeed drive, and bevel
Electric motors:	Saw blade Live Deck Auto Infeed
Temperature requirements:	Printer: 50°F to 104°F

### Performance Data

Speed:	3 feet per second
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Board capacity:	1x4 through 4x12 boards <ul style="list-style-type: none"> <li>- Edge = 1-3/8" to 2"</li> <li>- Face = 2-1/2" to 11-1/4"</li> <li>- Max. Length = 20'</li> </ul>
Printer:	4" Piezoelectric inkjet printer  Print speed up to 250 feet per minute
Live Deck Auto Infeed Length:	~ 90"
HMI:	Touch screen computer, Windows operating software

### Features

- Single-bladed component saw that can be the primary cutting center of your plant.
- Various sensors and encoders used for accuracy
- Servo motors add to accuracy
- Easy calibration through software
- Software that reduces waste by arranging parts in a highly efficient order
- Automatic homing based on selected stock length

### Options

- 12'-60' board length capacity on infeed rail.
- 0'-60' outfeed length.
- Automatic saw that replaces hand operated saw.
- Automatic lumber feed system.

### Additional Information

- |               |   |
|---------------|---|
| Chasis/Frame: | - 3/16" heavy duty gauge steel used for both mobility and durability.   |
| File Types:   | - Mitek™, Alpine™, Simpson™, Excel™(*Various Formats)<br><br>- Shopnet.ehx, Plantnet.wbx, Virtek.xml, Excel™ cut lists *(works with many formats), estiframe.ezf<br><br>- If another file format is needed it is highly-possible that we can create custom imports for your needs, just let us know and we'll try our best. |

Learning Curve:	- Short/Easy
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- Typically, operators are comfortable running the machine with 30 minutes of instruction.

- The EasyFrame™ software is very intuitive and user-friendly with an “app-style” feel.

**Printer:**

- 4” Diagraph™ ITW™ IJ4000 Single Print Head

- Industrial Piezoelectric (Trident Impluse Jet), impulse jet

- NO CARTRIDGES!

- Self-sealing bottle-fed ink

- Pressurized, Sealed system is similar to how a fuel injected system works

**Ink Usage:**

- Varies on what is being printed

- Generally, one 1000mL bottle should last 100 days of single shift cutting

**Cutter:**

	<b>Chop Saw</b>	<b>Vista™ M20 Miter</b>	<b>Vista™ S20 Straight Cut</b>	<b>Vista™ S24 Straight Cut</b>	<b>EasyCut™ Angle 24</b>	<b>EasyCut™ Straight 24</b>
Auto-Cutting	No	Yes	Yes	Yes	Yes	Yes
Angles	Manual 50deg.	Automatic 73deg.	None	None	Automatic 76deg.	None
Blade Size	12"	20"	20"	24"	24"	24"
Cut Capacity	4x8	4x10, 6x8	4x10, 6x8	6x12	8x8, 4x12	8x8, 4x12
Electrical Req.	110v AC	240/480 3-Phase AC	240/480 3-Phase AC	240/480 3-Phase AC	240/480 3-Phase AC	240/480 3-Phase AC
Compressed Air Req.	None	80 psi	80 psi	80 psi	80 psi / 12 cfm	80 psi / 12 cfm

**Feed Direction:**

- Left-To-Right/Right-To-Left

- Feed direction can be set up for pushing the material through the cutting device from either left-to-right or right-to-left.

**Optimization:**

- Full optimization with customizable sorting configurations

Scrap Cutting:	<ul style="list-style-type: none"> <li>- Yes/Integrated</li> <li>- Items can be entered into a list which the saw can cut any potential remainders into.</li> </ul>
Mobility & Installation:	<ul style="list-style-type: none"> <li>- Hours (not days)</li> <li>- The EasyFrame™ machine delivers with caster wheels attached for easy install and relocating.</li> <li>- Leveling feet are used to raise the machine to level and off the transport wheels once in its desired location.</li> <li>- Quick disconnects allow the drive belt, sensor cables and power cables to all be assembled or disassembled quickly for fast and easy setup.</li> <li>- Heavy Frame &amp; Webbed Legs – The frame structure is built like a floor truss and built from heavy steel required for a truly mobile system.</li> <li>- Shipping/Job Site Container – Some customers have had their EasyFrame™ saws installed in shipping/job site containers for mobility from job site to job site or within the job site.</li> </ul>
Additional Options:	<ul style="list-style-type: none"> <li>- Live Deck – A fully automated live deck system can autofeed your pushing system with board and will be available in October of 2020. It can also be added to any existing system.</li> <li>- Top-Down Printer – An additional 4” printer can be added to print from above on the flat surface of the passing board such as the bottom of the bottom plate or top of the top plate.</li> </ul>
Lead Times:	<ul style="list-style-type: none"> <li>- Typically 2-8 weeks.</li> <li>- Lead times vary depending on market conditions.</li> <li>- EstiFrame can usually deliver your machine within 5 weeks of the time the deposit is received.</li> <li>- Please check in with us regarding current lead times.</li> </ul>



## Installing the Equipment

- Follow installation instructions completely.
- This equipment is not for use in a residential area.

## Lockout/Tagout

- Before performing maintenance on the systems, bleed the lines to eliminate pressure.
- Lockout/tagout all energized systems before performing maintenance on them.

### Lockout/Tagout Guidelines

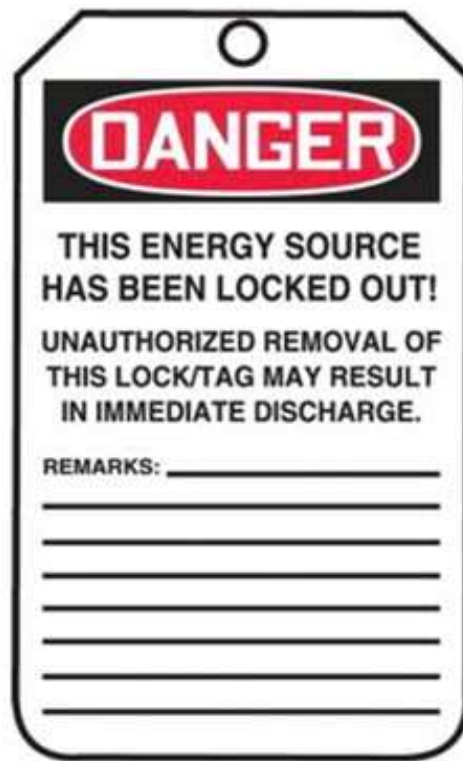
All lockout/tagout guidelines must be met according to OSHA 29 CFR 1910.147. A specific procedure should be included in your company's energy control program. This manual is meant to merely provide general guidance and NOT intended to replace your company's de-energizing or lockout/tagout procedures required by OSHA.

The term "lockout," as used in this manual, means placing a lockout device on any and ALL energy sources to ensure that the energy isolating device and the equipment being controlled cannot be re-energized or operated until the lockout devices are removed.

Energy sources include electrical, mechanical, hydraulic, pneumatic, chemical, thermal, and or other energies.

- A lockout device is usually a keyed padlock.
- If more than one person is working in a restricted zone, use a group lockout device that will allow each person to use a lock that can be removed only by the person performing the maintenance.
- In the case of electrical energy sources, the main power and the control power to the machinery must be turned off and physically locked in the "off" position.

"Tagout" means that a prominent warning is securely fastened to an energy-isolating device to indicate that the equipment shall not be operated.



### Pneumatic System Lockout/Tagout Procedure

#### When Lockout/Tagout is Required

Before attempting repair or maintenance on any component, lockout/tagout the machine properly. Follow your company's approved lockout/ tagout procedures.

#### When Lockout/Tagout is Not Required

If working on components other than the pneumatic system, but that requires you to be near the vicinity of movable pneumatic components, you must, at a minimum, physically restrain the pneumatic components from moving. If this is not possible, lockout/tagout the entire pneumatic system.

### Keeping a Safe Environment

- Keep children away. All visitors should be kept at a safe distance from the work area.

- Hazards may not be apparent to individuals that are unfamiliar with the machine.
- Keep the work area clean and free of any trip or slip hazards.
- Keep work areas well lit.
- Do not use the equipment in damp or wet locations.
- Do not expose the equipment to rain or snow.
- Minimize dust clouds and protect your equipment by cleaning dust in this manner:
  - If using compressed air, it should be a low compression.
  - Vacuum dust prior to blowing with air.
  - Shut down electrical power and sources of ignition.
  - Powered cleaning equipment such as vacuums must be consistent with local governmental codes for use in dusty conditions.
- **NEVER PUT HANDS OR OTHER BODY PARTS INSIDE THE CUTTING BLADE PATH, OR IN ANY OTHER AREA WHERE THERE ARE MOVING MACHINERY PARTS. SERIOUS INJURY OR DEATH MAY OCCUR.**

### Safety Tests


- This test procedure **MUST** be performed by qualified personnel at the startup and after ANY maintenance, adjustment, or modification. Testing ensures that the safety system and machine control system work together to properly stop the machine.
- These test procedures **MUST** be performed by qualified personnel every day at startup and after ANY maintenance, adjustment, or modification. Testing ensures that the safety system and machine control system work together to properly stop the machine.

### Inspecting Indicators

1. While performing any of the following safety tests, check to ensure the “Blade in Motion” light located on the operator interface panel lights up when the blade is running.
2. While performing any of the following safety tests, check to ensure the beacon on top of the main electrical enclosure lights up when cutting is taking place.
3. Verify that all safety labels are present and legible.



### Testing the E-Stop Pushbuttons



	<p style="text-align: center;"><b>Cut and Crush Hazard</b></p> <p><b>Before turning on the equipment, make sure that all personnel and equipment are clear from the Cut and Crush zone of all equipment.</b></p>
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1. Start running the saw and all integrated components:
  - a. Power up the saw using the instructions on page 16.
  - b. Start any optional infeed and outfeed equipment.
  - c. Press the Start button on the saw's operator interface panel to start the motor.
  - d. Wait approximately 10 seconds, until the blade is up to full speed (does not apply to chop saw versions).
2. Activate any one of the E-Stops listed here and measure the time between pressing the E-Stop and when the blade come to a complete stop.
  - Pushbutton on the EasyFrame operator interface panel
  - Pushbutton on the auto deck operator interface
3. Ensure that the blade and integrated components stop motion in a timely manner:
  - a. If the saw blade does not stop in a safe amount of time, contact EstiFrame Technologies, Inc. Machinery division immediately for a resolution.
  - b. If all integrated components do not stop in a timely manner, lockout/tagout the entire wood processing system and arrange for a qualified service technician to troubleshoot and repair the equipment.
  - c. If the blade and integrated components stop as expected, repeat the procedure to test all E-Stops listed in step 3.

## Testing for Movement While the E-Stop is Active

 WARNING	
	<p><b>Cut and Crush Hazard</b></p> <p>Before turning on the equipment, make sure that all personnel and equipment are clear from the Cut and Crush zone of all equipment.</p>

1. Use the touch screen to manually move an axis by using the “Go To” function
2. Watch the axis that was chosen to see if it moves. If an E-stop is activated, no movement should occur.
3. If movement does occur, Lockout/Tagout immediately and repair the problem.

## Safety Symbol Definitions

The safety symbols shown in this section can be found throughout the manual to indicate hazards that are related to this equipment. All personnel expected to operate or maintain this equipment should become familiar with these safety symbols and what they mean.



This is the Open Machinery symbol. It indicates that there is open machinery. Use caution to reduce the risk of injury to the operator as injury to the operator or equipment could occur if operational procedures are not followed.



This is a Crush and Cut Hazard symbol! Keep hands and all body parts clear! Keep hands and all body parts away from all moving parts. Keep hands and all body parts clear of all cutting parts.

- The operation of this equipment requires the use of PPE. DO NOT operate without wearing required protective clothing.
- Refer to the manual. After installation, read the user’s guide carefully BEFORE operating. Follow ALL operating and other instructions carefully.
- Circuits are live. Lockout/tagout the upstream power source.
- Lockout in a de-energized state.



- Lift Point. In order to reduce the likelihood of damage to the equipment, use only the lift points indicated in the manual.
- Read ALL safety warnings and instructions BEFORE proceeding.
- Always two- or three-man lift required to safely move this equipment.
- Hazardous moving parts are located behind this access panel. DO NOT operate this equipment without all guards and covers in place.
- DO NOT place containers with any liquids such as coffee, water, sodas, etc. on this unit.
- DO NOT operate this equipment in any wet environment.
- DO NOT expose to water.
- Lift point. DO NOT lift this device with a hook/crane assembly. Damage to the equipment will incur.
- DO NOT use non-approved lubricants in this machine.
- Unauthorized persons are not allowed beyond this point.
- DO NOT operate without guards and covers in place.
- DO NOT discard into municipal waste stream.

## Electrical Safety

- When using cleaners on and/or around the machine, cut off power to the machine to eliminate the chance of sparking, resulting in explosion or fire. Wear a respirator approved for use with solvents. Wear protective clothing, gloves, and safety glasses.
- Do not use any liquids in the interior of electrical cabinets.

### Working Inside the Main Electrical Enclosure

Before opening the main electrical enclosure or attempting to repair or replace an electrical transmission line to the machine, lockout/tagout the machine properly. Follow your company's approved lockout/tagout procedures which should include but are not limited to the steps below.


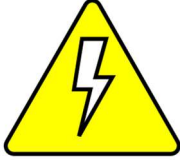
1. Engage an E-stop on the machine
2. Shut the power to the machine off at the machine's power source which is usually an electrical service entry panel on the facility wall.
3. Attach a lock and tag that meets OSHA requirements for lockout/tagout.
4. Open the door to the enclosure in which you need access, and using a multimeter, verify that the power is off.

### Electrical Lockout/Tagout Procedures

When working on equipment outside of the machine's main electrical enclosure:

Before performing maintenance on any machine with electrical power, lockout/tagout the machine properly. When working on a machine outside of the machine's main electrical enclosure, not including work on the electrical transmission line to the machine, follow your company's approved lockout/tagout procedures which should include, but are not limited to the steps here.

- Engage an E-stop on the machine.
- Turn the disconnect switch handle to the "off" position.

 <b>WARNING</b>	
	<p><b>ELECTROCUTION HAZARD</b></p> <p><b>When the disconnect switch is off, there is still live power within the disconnect switch's enclosure.</b></p> <p><b>Always turn off power at the building's power source to the equipment before opening this electrical enclosure!</b></p>

### **ELECTROCUTION HAZARD**

When the disconnect switch is off, there is still live power within the disconnect switch's enclosure.




Always turn off power at the building's power source to the equipment before opening this electrical enclosure!

1. Attach a lock and tag that meets OSHA requirements for lockout/tagout procedures.
2. Restrain or de-energize all pneumatic components, hydraulic components, and other parts that could have live or stored power.

### **Troubleshooting with an Energized Machine**

Only a qualified electrician, using the personal protective equipment and following the procedures recommended in NFPA 70E should ever attempt service or repair of or near an energized area or component of the machine.

Whenever maintenance is performed while the equipment is electrically energized, there is a potential electric arc flash hazard. Refer to NFPA 70E for the personal protective equipment required when working with electrically energized components. Pneumatic and hydraulic components may move unexpectedly if not de-energized. Physically restrain any components capable of movement when working on or near those components.

 <b>WARNING</b>	
 	<p style="text-align: center;"><b>Cut and Crush Hazard</b></p> <p><b>Before turning on the equipment, make sure that all personnel and equipment are clear from the Cut and Crush zone of all equipment.</b></p>

### **Operating and Maintaining the Equipment**

- In case of malfunction, stop the machine IMMEDIATELY using the E-stop and report the failure to a supervisor.
- Never leave the machine running unattended. TURN THE POWER OFF!! Do not leave the machine until ALL parts have come to a complete stop and ALL electrical power has been shut off.
- Perform safety tests to ensure all E-stops are working properly before operating the equipment at the initial startup, after performing any maintenance, and in accordance with the maintenance schedule.
- Ensure that ALL people, tools, and foreign objects are clear of the restricted zones before operating this machine. The restricted zones are shown on page 20.

- Check for all worn or damaged parts regularly.
- Repair or replace ALL worn or damaged parts immediately.
- Keep the hydraulic, pneumatic, and electrical systems in good working order at all times. Repair leaks and loose connections immediately. Never exceed the recommended pressure or electrical power.
- Only qualified maintenance personnel shall remove or install safety devices.
- Periodically inspect the quality of the finished product.
- Check that all safety devices are in working order before each shift starts.
- All protective guards and safety devices must be in place and during use of the machine.
- Never disconnect or bypass any safety device.

### Starting the saw:

Step 1: Open the control box by turning the black knobs located on the right side of the front panel.

Step 2: Turn on the computer located on the back of the panel door behind the monitor.

Step 3: Close the control box and lock the panel door by turning the black knobs back to their original position.

Step 4: Swipe and enter the password or pin using the on-screen keyboard.

Step 5: Select the EstiFrame logo located on the task bar.

Step 6: Select your company logo (or company logo you are doing jobs for)

## How to start a job:

Step 1: Select the Job Icon.



Step 2: Select New Job (File Import)



- By selecting Jobs on the home screen, the operator can use the Job Manager to quickly navigate between different jobs.

## How to start cutting:

Step 1: Select the Power button which powers on the saw.



Step 2: Make sure that the pusher is free of obstacles and press 'Home'.

Side note: Saw blade cannot be down. (Chop saw only)

Step 3: Once your job is selected, select Cutting from the home page.



Step 4: A new window called "cutting selector" will open. From there, select the job and bundle you are cutting,

as well as which plates, the material being used and the stock length of the material. Press OK



- The images now shown on the home screen are optimized cut runs to minimize wastage and maximize efficiency. They show each cut that will be made from that run and how long it is.

Step 5: After selecting what kind of material needs to be loaded, place needed material on table.

Step 6: Make sure that wood is fully against the backside of the table and the Saw arm.

Step 7: Select Push.

Step 8: Once a run is finished, press the



- You can view all runs by using the slider on the left side of the screen.

## How to clean the print head:

Step 1: Select the DiagraphInkJet button from the homepage. A new window will open.

Step 2: Select the gear button in the bottom right corner. A pop out menu will open.

Step 3: From the pop out menu, select Purge, then select Clean Head. (This can be done manually when needed or automatically at specific times or after a set amount of time.)


## Application Settings:


From the homepage, press Settings





in the bottom left corner. Another window will open with multiple options on the left side of the window.


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Pusher  : Settings related to the material pushing mechanism such as calibration and pusher speeds.

Marker  : Settings related to the marking device such as inkjet type, inkjet setup, adjusting layout position, etc.



Cutter  : Settings related to the cutting device such as blade thickness and type of cutter being used (chop saw, auto angle saw, auto straight cut)

Materials  : Settings related to each material type such as display color, precut stock lengths and stacking limits.

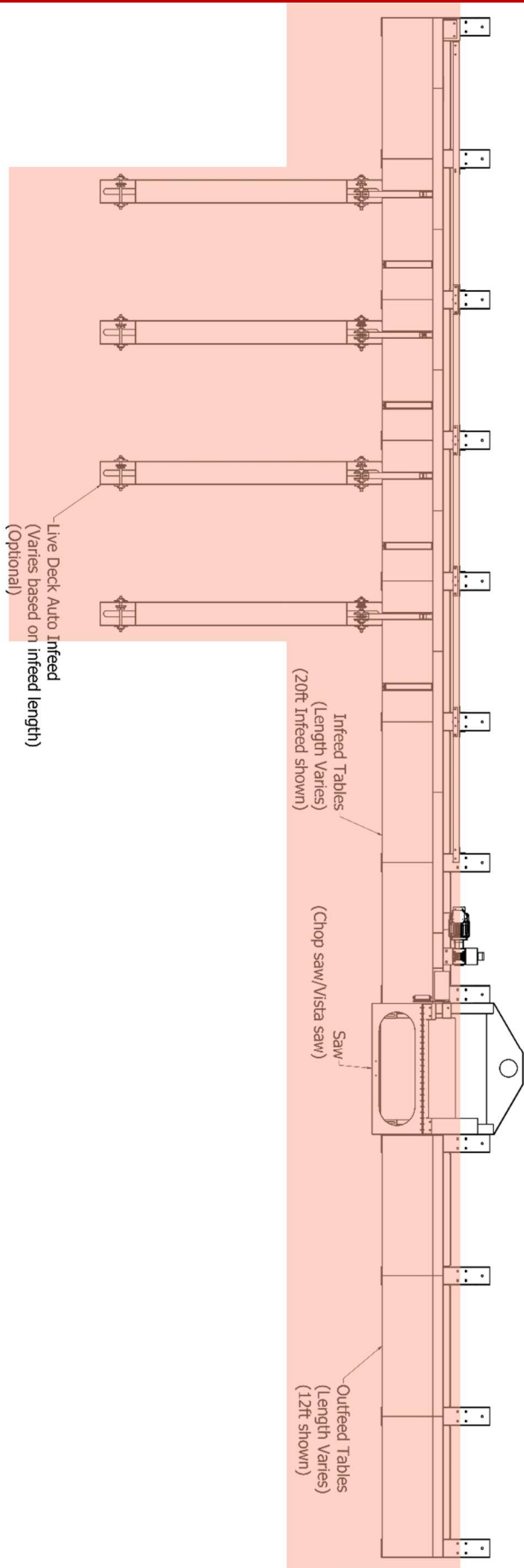
Part Types  : Settings controlling the functionality of each part type such as turning on/off marking settings for a specific part type. (ex: turn off markings on “Blocks”)

Job Settings  : Settings which are job specific such as the default job directory, default job file extension type and importing Excel profiles.

## Restricted Zone

	 <b>DANGER</b>
	<p>Stay out of the restricted zone when equipment is in use. Serious injury or death may result if personnel are in the restricted zone.</p> <p><b>ALWAYS</b> look for personnel in the restricted zone before operating equipment.</p>

**Know the Restricted Zone: Shown in the shaded area on the next page**





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## Marking the Restricted Zone

The restricted zone MUST be marked so that everyone near the equipment can clearly see the area where danger may exist.

EstiFrame Does Not offer Restricted Zone Tape. Some equipment may come with restricted zone tape. If your machine did not come with restricted zone tape, you may order it from any authorized retailer.

## Ink Info

The printer helps improve the communication and the sorting of parts on and off field. It also helps reduce errors and time-consuming searches. All models typically include printers. EstiFrame uses the following ink system for our printers:

### Piezo-Electric Inkjet

- Piezo Inkjet
- Bottle fed style ink
- Diagraph – 4” continuous print
- Can be used as a side mount or top mount
- High quality ink system
- Constant image printing at extreme speeds for long periods of times.

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## Additional Resources

### Supplemental Documentation

In addition to the equipment manual, refer to the documentation provided by the original manufacturer for the parts that are listed in this section. The supplemental documentation is provided at the time of installation, or it may be found inside an electrical enclosure. Refer to these documents when you need more detailed information on these components than the EstiFrame manual provides.

### Contacting Us

For technical assistance, ordering parts and any other questions or concerns, please contact the Machinery Division Customer Service using the following information:



#### **EstiFrame Machinery Division**

Address: 14071 Grant Line Road, Ste 110, Elk Grove, CA 95624

Email: [sales@easyframesaw.com](mailto:sales@easyframesaw.com)

Website: [www.easyframesaw.com](http://www.easyframesaw.com)

## Treatment for Hazardous Substances

⚠ WARNING	
  	<p><b>PRINTER CLEANER IS HIGHLY FLAMMABLE!!</b></p> <p>Keep away from extreme heat, sparks, or any open flame.</p> <p><b>ABSOLUTELY NO smoking near these substances.</b></p>

**Safety Table 1: General Safety Information**

	Printer Ink	Printer Cleaner
Primary Hazards	Nonflammable	Flammable
Method of Extinguishing Fire	NA	Smother fire/use dry chemical fire extinguisher. <b>DO NOT USE WATER</b>
Protective Equipment	Gloves, Goggles and an Eyewash Station	Gloves, Goggles and an Eyewash Station

**Safety Table 2: How to treat contact with a hazardous substance**

If substance gets on/in...	Then do this...	
Skin/Clothing	Rinse, remove clothing, then wash skin with soap	Rinse, remove clothing, then wash skin with soap
Hair	Wash with soap and water	Wash with soap and water
Eyes	Remove all eye ware including but not limited to contacts. Flush eyes with water using the Eyewash station	Remove all eye ware including but not limited to contacts. Flush eyes with water using the Eyewash station
Ingested	DO NOT induce vomiting!!	DO NOT induce vomiting!!
Inhalation	Move to fresh air	Move to fresh air

# Maintenance

Maintaining your saw is a very important job to help keep your saw running smoothly and to help the longevity of your saw. Please follow the following maintenance schedule to get the most out of your saw.

## EasyFrame Saw Maintenance Schedule

Month \_\_\_\_\_ Year \_\_\_\_\_

### Daily:

- Ensure all Emergency Stop buttons are functioning properly.
- Inspect crash, home, almost home and outbound sensors for functionality.
- Inspect saw tabletop surface (front and back) for debris as well as inside of the lower cabinet.
- Ensure Saw is homing to the zero point.
- Check air pressure regulators, water separators, and oilers.
- Clean Brunswick guide rails and apply Dry Silicon Spray for lubrication. (3M 08897)
- Check accuracy on cut lengths. (Beginning of shift)

### Weekly:

- Inspect printer face, wipe down as needed.
- Check ink levels and ink waste container.

### Monthly:

- Ensure pulley couplers are tight on both the drive and idle ends. (5mm Allen bolts X 12)
- Grease all bearings using NLGI #2
- Lubricate Auto-Loader/Live-Deck chains and sprockets if equipped. Dry Silicon Spray (3M 08897)
- Inspect all sensors for cleanliness and functionality. Lights should be bright and solid with no flickering.
- Inspect all external wiring for damage.
- Look over the pusher belt drive and hardware for any abnormal wear.

### Help videos:

- [easyframesaw.com>about>help](http://easyframesaw.com>about>help)

Record	Date	Performed By (Printed Name)	Performed By (Initials)	Circle Which Was Performed
1	/ /			Daily Weekly Monthly
2	/ /			Daily Weekly Monthly
3	/ /			Daily Weekly Monthly
4	/ /			Daily Weekly Monthly
5	/ /			Daily Weekly Monthly
6	/ /			Daily Weekly Monthly
7	/ /			Daily Weekly Monthly

8	/	/			Daily	Weekly	Monthly
9	/	/			Daily	Weekly	Monthly
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24	/	/			Daily	Weekly	Monthly
25	/	/			Daily	Weekly	Monthly
26	/	/			Daily	Weekly	Monthly
27	/	/			Daily	Weekly	Monthly
28	/	/			Daily	Weekly	Monthly
29	/	/			Daily	Weekly	Monthly
30	/	/			Daily	Weekly	Monthly
31	/	/			Daily	Weekly	Monthly