

DRYTAC[®]

JETMOUNTER[™]

JM 63

Fuzion XD

OPERATOR'S MANUAL



10/18/15

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Introduction

Over the past three decades, Drytac has evolved into one of the world's most highly regarded manufacturers of products for graphics finishing and display. Our core product line consists of a wide range of pressure-sensitive, heatset and thermal overlaminating films. In addition, we offer an extensive line of mounting adhesives, backing films, inkjet media, finishing equipment, accessories, and banner stands. Drytac has the unique ability to manage all phases of the customer experience: product quality and performance, manufacturing and distribution, training and technical support and the industry's best customer service.

The *JetMounter™* wide format FuzionXD series is engineered by Drytac to deliver a combination of performance and value unequalled in the finishing industry. Compatible with any pressure-sensitive overlaminating film, *JetMounters* are also ideal for permanently mounting graphics onto cardstock, foam board, MDF or rigid PVC board. Equipped with the performance features our customers demand, *JetMounter™* FuzionXD wide format models are unmatched for value.

JM Fuzion XD Features

- Heavy Duty, Two-Piece Durable Metal Construction.
- *Interchangeable*, Large Diameter (≈ 5") Silicone, Anti-Stick Rollers.
- Accommodates 10" Diameter Rolls of Material.
- Heat-Assist Upper Roller with C/F Display Capability (110°F/43°C).
- Can be used with 110 Volt or 220 Volt power supply.
- Drytac's Heavy Duty Lift Mechanism provides precise, calibrated pressure control for consistent, repeatable results.
- 1"/25 mm Nip Opening with LED Height Display.
- Adjustable Speed Control (to 20 fpm) with Forward, Reverse and Foot Pedal Functions.
- Convenient, Latching Storage Compartments in the Stand.
- Adjustable Brake Tension on Four Auto-Grip Unwind/Supply Shafts, with roll to roll capability.
- Wide, Heavy Duty Locking Casters for Stability and Maneuverability.
- Center Release, Fold-Down Front Feed Table with Paper In-Feed Guide.
- Front and Rear Table Idler Bars.
- Two Top-Mounted Emergency Stops accessible from front or rear.
- Photo Electric Safety Eyes.
- Two Additional Supply Shaft Holders on the Stand.
- cTUVus Certification.

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Important Safety Information

Before operating this equipment for the first time, it is crucial that you take the time to read and understand all of the following safety-related information. Failure to follow these procedures could result in serious personal injury and/or damage to the equipment and work piece.

Safety Signal Words and Symbols



Danger symbols indicate imminently hazardous situations that, if not avoided, will result in serious injury or death.

Warning symbols indicate a potentially hazardous situation that, if not avoided, could result in severe injury or death.

Caution headings indicate a potentially hazardous situation that, if not avoided, may result in minor or moderate injury.

NOTE or NOTICE indicates a statement of company policy directly or indirectly related to the safety of personnel or protection of property.

The JetMounter™ performs mounting and laminating using two rollers to apply uniform pressure to adhesives and over laminating films. The point where the rollers touch the material is called the “Nip”. This area creates a potential pinch hazard for fingers or other objects. DO NOT OPERATE THIS EQUIPMENT IF YOU ARE UNWILLING TO ACCEPT THIS HAZARD! TO AVOID INJURY, ALWAYS KEEP YOUR FINGERS AWAY FROM THE NIP AREA!

No persons under the age of 16 should be allowed to operate the equipment!

NOTICE The following safety features are designed to offer a reasonable measure of protection against injury while maintaining an operator-friendly machine. Please do not attempt to disable or alter their functionality in any way. **Any modifications will void the warranty and pose a serious risk to the operator.** Contact Drytac Technical Services if any malfunction of the equipment occurs and **stop using the machine immediately!**

All Fuzion models are equipped with a Photo Cell in front of the roller Nip which, when interrupted, will stop the roller and the PC Status LED on the Control Panel will light to indicate that an object is interrupting the photocell beam. (Note: Be particularly cautious when operating the JetMounter™ with the Foot Pedal because in this Mode the rollers will operate after the photocells are interrupted. An audible alarm will sound, but the rollers will continue to be powered at a much reduced speed to prevent a line in the laminate from having the roller stop completely).

Prior to operating the laminator, always check that the photocell is working properly. In Standard mode and use a piece of cardboard to block the photocells to confirm that the rollers stop.

The Fuzion XD is also equipped with two red Emergency Stop buttons, located on the top of either side of the end cases. The Emergency Stop Button will stop the machine immediately, shutting off power to the Control Panel. Stopping the machine can also be accomplished by; lifting your foot off the pedal when in foot mode, turning the speed dial to zero (0) or turning off the power button on the control panel or the main power switch on the back of the left end case. If there is a “No Power” condition, check to see if the Stops are depressed before further troubleshooting.



DO NOT operate this equipment when you are alone. As with all motorized equipment, it is advisable that other adults be present to assist if required.

DO NOT operate the JetMounter™ while under the influence of alcohol, prescription drugs or any other substance that could impair your judgment or reaction time.

REMOVE any jewelry such as rings, bracelets and necklaces prior to operating the equipment. Keep loose clothing, neckties, artificial fingernails, long hair and anything else that might easily be drawn into the rollers away from the machine.

Turn the JetMounter™ power OFF if you are loading adhesives or film, cleaning the rollers or performing other activities that require close proximity of your fingers to the Nip. This will avoid the possibility of inadvertently starting the machine. Keep your fingers away from the Nip area when the machine is operating.

Always work at a slow speed until you become familiar with the machine.

Exercise caution when lifting rolls of laminate and adhesive due to their weight. Use assistance to avoid personal injury or damage to the equipment and materials.



Prior to lifting a supply shaft into the laminator, position the T-Slot in the cup on the machine’s right side to receive the shaft. The use of an assistant is strongly recommended.



Always disconnect the laminator from the power supply before removing any panels for service! Service performed by anyone not authorized or directed by Drytac Technical Services will void the warranty.



When using a large supply roll, be aware that a pinch hazard can exist between the top roller and the supply shaft. When working from the rear of the laminator

the operator must be aware of the Nip point of the contacting rollers and exercise extreme caution to avoid injury.

The noise level this machine generates at the operators' position is less than 70dB.

Keep this manual near the machine for future reference. Also check our website for any additional or updated safety information. (www.drytac.com)

Installation/Training is also available for your *JetMounter™*. This service assures that your new laminator is set up properly and the operators are trained in the various applications the equipment can perform. Contact our Customer Service Department for details or if you have any questions about the operation of this equipment or would like to make arrangements for such a session.

Specific Moving Instructions



The Drytac *JetMounter™* is to be handled with care to avoid personal injury or collateral damage. Whenever the machine is moved, we **strongly** recommend utilizing **at least** two people. The adage: “Better safe than sorry,” applies here. ***When moving the machine, the movers should be positioned at both sides. Do not push the JetMounter™ from the front or back!*** This eliminates the possibility

of having the machine tip over onto the mover or their helper.

Unpacking and Installation

Upon receipt of your new *JetMounter™*, inspect the carton(s) carefully for signs of physical damage or mishandling. There are two rough handling indicators that should be inspected before the shipment is signed for. If either of the devices is “tripped”, this must be noted on the receiving paperwork. Report any damage to the shipping company immediately and contact Drytac Corporation if replacement parts are needed. If there is no apparent damage, proceed with unpacking.



It is recommended that at least two people unpack the JM Fuzion XD to avoid damage to the equipment or personal injury. Follow the instructions included ***in the sequence described*** to remove the machine from the pallet. If the instructions are missing be sure to contact Drytac Technical Services before

attempting to unpack or install the machine.

Select a clean, well-lighted working area that allows access to both the front and back of the machine. The JM Fuzion XD is provided with a stand that has swivel casters for ease of movement as well as holders for additional supply shafts.

Your new JetMounter™ Fuzion XD is capable of being operated with either a 110 or 220 volt power supply. There is a switch (under clear plastic cover) on the back of the left hand end panel that **must be set to the proper voltage BEFORE the machine is plugged in** for the first time. The machines come set up for a 110 volts supply with a standard plug attached to the cord. If there are any questions about electrical requirements for the equipment, please contact a qualified electrician **prior to attempting to power up the machine!** Be *absolutely certain* that the voltage supplied at the outlet corresponds with the voltage marked on the plate attached to your machine. Do not rely on the cord or outlet configuration to determine the correct power supply voltage!

NOTE: Depending on the voltage selected, the time required for the upper roller to reach approximately 110 degrees Fahrenheit will be from 10-15 minutes (@ 220Volts) to 30-40 minutes (@ 120 Volts).

ALLOW ENOUGH WORKSPACE AROUND THE MACHINE TO BE ABLE TO FEED AND REMOVE YOUR WORKPIECE SAFELY! It is recommended that the machine be placed so that at least three feet of space from the front and back **beyond** the largest piece of material you will use be provided to insure adequate accessibility and safety.

For example, if your work piece were a four-foot by eight-foot foam board, you would need to allow a **minimum** of eleven feet of space in front and eleven feet of space in the rear of your machine. Always consider this rule a necessity prior to beginning your work.

JetMounter™ Fuzion XD Controls

1. The main **On-Off** switch is a rocker switch located on the back of the left end case of the machine, near the power cord entry. This switch should be in the “OFF” position when loading or unloading adhesives or film, cleaning the rollers or performing other activities that require close proximity of your fingers to the Nip.
2. The Control Panel Power Pad is located in the lower left corner of the control panel, which is on the upper angled surface of the right end case. This button must be pressed first, before activating any machine functions. When one of the **Emergency Stops** has been pressed and the problem has been corrected that caused the stop to be pressed, you must reactivate the Control Panel Power Button to proceed. If the shut down was caused by a thermal overload condition, you must first allow the circuit breaker on the back of the machine to cool (approximately 20-30 seconds), then reset the breaker and power up the control panel by pressing the power button.

Fuzion XD Control Panel



- The **F/R** Pad is used to select the direction of the bottom roller. The indicator light next to the FWD or REV LED will light to show which direction has been selected. Depress the button to change directions. **The roller must be stopped before changing the direction.** NOTE: REVERSE will only function with the use of the foot pedal. The alarm will sound and the roller speed will be very slow to alert the operator that the roller cannot be stopped in the normal manner by breaking the photo cell beam in front of the roller. Use extreme caution with hand and tool placement on both front and rear decks to avoid personal injury or damage to the rollers.

⚠ WARNING When operating in Reverse, the operator must be aware the protection provided by the photo cells in the forward direction is not available, since they are located on the front feed table only. The alarm will sound while in reverse.

- The ROLLER Pad is located directly above the directional button and must be depressed to activate the motor which turns the bottom roller. The adjacent indicator LED next to the button will light when power is supplied to the motor. When the Photo Cell beam has been broken or “tripped” due to an obstruction or such, the Roller Button must be re-activated before resuming processing. The **PC Status Indicator Light** to the right of the Power Button will light up when the photo cell beam is interrupted.

6. The SPEED CONTROL, located to the right of the ROLLER, FWD/REV Buttons, is used to control the speed of the motor-driven bottom roller. Rotating the knob to the right or left will increase and/or decrease the speed of the roller. The speed control will not affect the reverse speed or the speed of the roller when the photo cell beam is interrupted while processing with the use of the Foot Pedal. In that circumstance, the roller will move at a steady, slow speed, or jog mode, until the foot pedal is released. Then, when the obstruction is clear the set speed on the control will resume by pressing the Roller Pad.
7. The HEAT Pad is located directly above the roller buttons and speed control. This Pad activates the Heat Assist Function. When pressed, the LED display lights up and indicates the current Top Roller temperature. The heating rod starts to heat the roller to a set temperature of 110°F/ 43° C. Which temperature scale is being displayed is indicated by the LED to the right of the Display. To change from Celsius to Fahrenheit, simply press the UP and Down arrows (located to the left of the temperature display) simultaneously and hold for ten seconds. The temperature setting of 110°F/ 43°C is non adjustable, but the readout may actually read higher due to the fact that the sensor is reading actual roller temperature that is affected by numerous factors. Once processing begins, heat is absorbed into the materials and lower roller, which will drop the temperature. The components are designed to account for the variables, so readings slightly above the set temperature are no need of concern. The system is protected from overheating so the heating system will shut down if the roller reaches 55°C/131°F.

NOTE: Rollers should be in contact with at least 20-40% pressure applied and moving when heating system is on to allow for maximum heat transfer and minimize roller distortion.

8. The Pressure and Height Displays are directly above the HEAT display. The Nip opening (or gap between the upper and lower rollers) is indicated on the LED Display in millimeters from 0 to 25mm or one inch. Directly above the Nip Opening Display, a series of LEDs (labeled from 0-100) light up to show the percentage of pressure being applied to the material in the nip. The (0) light stays lighted constantly. When the Top Roller is lowered to rest on the Bottom Roller (what is called the “Sweet Spot”) the (20) light will light up indicating twenty percent pressure is being exerted on the material in the nip. With a very slight rotation of the Hand Wheel clockwise, increasing pressure is applied and the LED’s will successively light up to show the percentage of pressure applied. This feature is for repeatability in processing. The suggested pressure setting is 20 or 40 % for the best results with the majority of applications. The unique Drytac lift mechanism design achieves

evenly controlled pressure over the entire contact area. To prevent excessive pressure and premature failure of the equipment or damage to materials processed and/or the mechanism, maximum spring compression is restricted.

The **Hand Wheel** is located on the front of the right end case. Simply turn the hand wheel to raise or lower the top roller.

The **Supply Shaft** holds the adhesive or laminate material, while the **Take Up** or wind-up Shaft holds the release liner. The two shafts below the table level can be used as either supply or take up as the application calls for.

▲ CAUTION When any of the shafts is installed, the slot end must be oriented properly to fit in the drive mechanism located on the right end of the machine, as you face it from the front. The operator and the assistant should consider this prior to lifting the loaded shaft into position. Once in position, keeper pins can be inserted in the cups to secure the shaft from lifting from the cup.

Setting Roller Pressure

The nip gap is the space between the upper and lower main rollers. Both the nip gap and the processing pressure are controlled by the Height Adjust Hand Wheel, located on the front of the right cabinet, which raises or lowers the upper roller. The roller height should be adjusted according to the images or substrates being processed. Normal operating range is between 20-40% for most applications. Excessive pressure can create wrinkles and damage substrates.

Over laminating and Encapsulation: To process thin images the nip gap should be closed with the pressure set to 40%.

Mounting: When mounting on substrates the nip gap should be set to the thickness of the substrate by turning the Hand Wheel. The leading edge of the substrate should be inserted and the pressure set according to the density of the substrate. Hard substrates such as Masonite® or Sintra® should be set to 40% to 60%. In order to avoid compressing soft substrates such as foam board pressure should be set at 20% to no more than 30%.

Narrow Graphics: Usually, these take less pressure to apply the image or laminate correctly.

Checking Roller Parallelism:

The roller alignment and pressure setting on the JM55 Fuzion are carefully set prior to shipping. A digital instrument is used to calibrate the pressure from side to side within 0.2 mm throughout the various pressure ranges. A limiter mechanism prevents the hand wheel from turning when maximum pressure is achieved. Paper travel is a good indicator to determine whether the setting has deviated and should be corrected. If the paper travel is greater than 3 mm per 5

meters of paper, (within the 20-60% pressure range) adjustments should be made to correct the pressure setting. Contact Drytac Technical Services for the procedure and assistance before attempting any adjustment.

Adjusting Shaft Tensions

JetMounter™ JM Fuzion XD is equipped with a motorized **Take Up** shaft on the upper front of the machine. This shaft winds up the release liner from the mounting adhesive and overlaminating film rolls during processing. Also on these models, both the Take Up Shafts and the Supply Shafts are equipped with **Tension Control Knobs**. It is important to adjust these settings so that there is an even tension on the adhesive or film during processing. The objective is to apply enough resistance on the film to keep it firm and flat, but not so much as to stretch or distort it. ***It is also critical to maintain even tension settings on both sides of the film.*** Turn the Tension Control Knobs clockwise to increase roll tension and counter-clockwise to reduce tension.

Supply Shaft tension: When feeding adhesive or film into the rollers, the primary objective is to maintain the feed at the same rate the rollers pull the material through the Nip. Slight resistance is usually all that is needed. Over-tightening the brake is rarely the solution to a tracking issue. “Less is better” when it comes to applying resistance to the material.

Take Up Shaft tension: The Release Liner should be pulled away from the adhesive at a steady rate that allows it to “lift” at a point just before the material enters the Nip. Keeping the correct tension will allow the liner to be pulled away at the correct point without allowing excessive exposure of the laminate which will attract dust.

Mounting with JetMounter™ Laminators

Mounting Board (Substrate) Selection

The selection of the proper mounting board/substrate is *very* important. Common materials used are:

- Foam Boards: (FomeCor®, GatorBoard®, HartBoard® etc.)
- Illustration Board
- Rag Board
- MDF (medium density fiberboard)
- Corrugated plastic boards: CoroPlast®
- Rigid Plastic Boards (Sintra®, styrene, etc.)
- Tempered hardboard: Masonite®

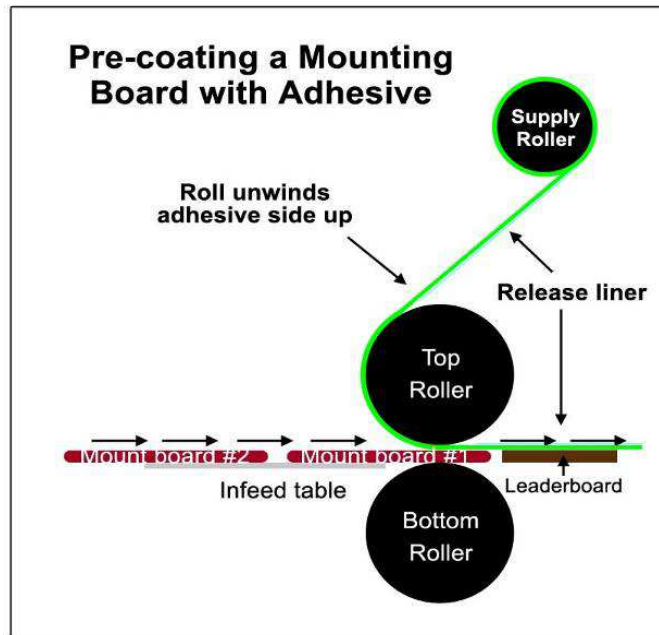
Adhesive Selection

Once the mounting board has been selected, determine whether to pre-coat the material with adhesive or to purchase pre-cut and pre-coated boards. While the use of pre-cut, pre-coated materials will save time, coating your own mounting board is more economical and allows for maximum flexibility in terms of sizing and substrate selection.

Pre-coating the Mounting Board

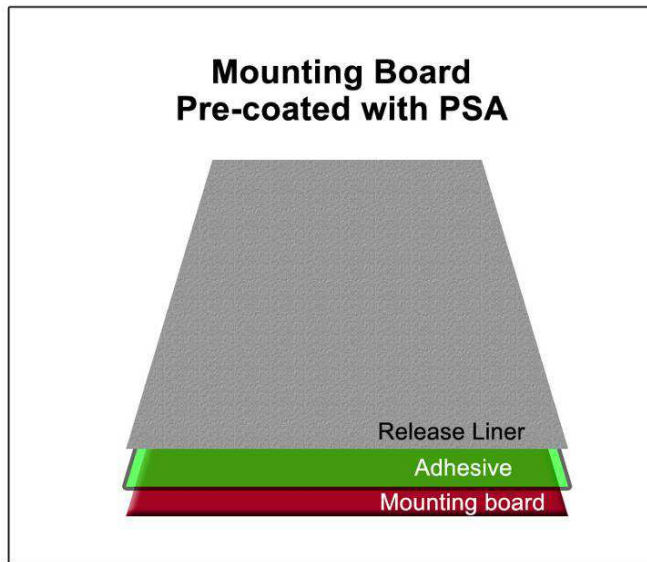
Pre-coating a mounting board means applying a mounting adhesive to one side of the board so that a graphic image can be mounted to the board later). The use of a **Leader Board** is recommended for this process.

1. Adjust rollers for proper pressure.
2. Load the roll of PSA (pressure-sensitive adhesive) onto the Supply shaft so that the material can be pulled toward the user from the underside of the roll with the adhesive side facing UP (the release liner side should be in contact with the roller as shown in the Illustration).
3. Pull the adhesive off of the roll so that about 4" lies flat on the worktable and is draped in front of the rollers.
4. Lay your **Leader Board** on top of the exposed adhesive material on the worktable; then push the Leader Board and adhesive into the Nip (the 'Nip' of your laminator is the point where the rollers make contact). When pushing the Leader Board into the adhesive, make sure it is parallel to the rollers.
5. Position your first mounting board behind and against the Leader Board. Check for proper alignment, and feed through the rollers (in either AUTO mode or via FOOT switch). Feed one board after another as needed. Trim the excess adhesive off of the board.



6. Your mounting boards are now pre-coated with pressure-sensitive adhesive, which is still protected by the release paper. The pre-coated boards can be used for immediate mounting or stored for future use.

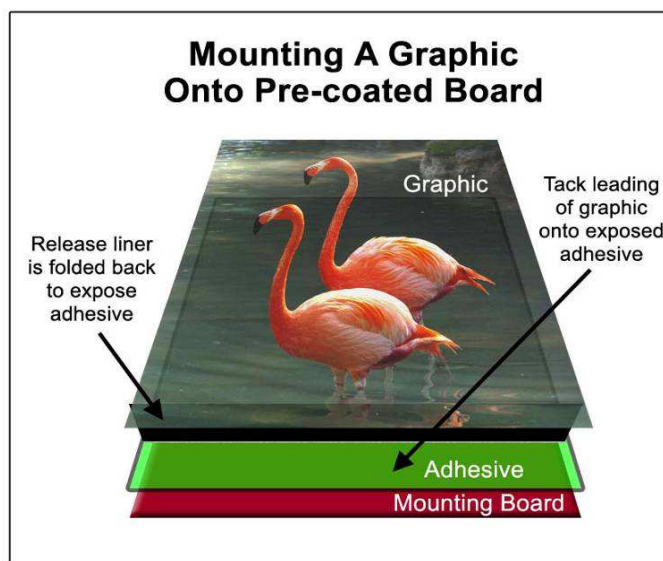
TIP: When an image is going to be laminated with a gloss overlaminating film, the use of very smooth substrates with glossy surfaces (such as Masonite®) is preferred. This will minimize the effect of board imperfections, (i.e. "orange peel") in the finished product.



NOTE: We recommend placing a 'Tail Board' behind the last production board (this can be the same board used as a leader board/starting panel). This is especially important when pre-coating foam board.

Mounting a Graphic to a Pre-Coated Board

1. Adjust the rollers for proper pressure.
2. Expose the adhesive on the board by folding back approximately 1" (2.5cm) of the release liner.
3. Using the folded-back release paper as a temporary support bridge, align the print onto the board and then proceed to "tack" (stick or press down) the leading edge of the print onto the exposed adhesive.
4. Run a **Leader Board** of the same thickness as your mounting board through the rollers so that the back edge of the Leader Board is at the nip of your machine.
5. Square your mounting board with the tacked print against the edge of the Leader Board and drape the print over the top roller.



6. Run the mounting board/adhesive/image through the rollers while simultaneously pulling the release liner away from and off of the board.

(JM Fuzion XD has three automatic Take Up shafts on the front and lower rear of the chassis. You may choose to unwind the Release Liner onto the Take Up shaft during this process, rather than pulling it by hand.)

Laminating with JetMounter™ Laminators

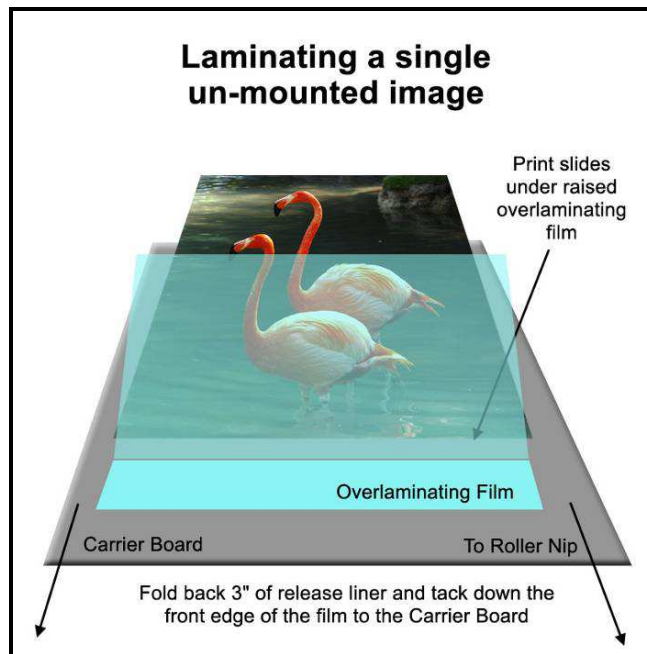
Selecting a Laminating Film

Select an appropriate overlaminating film for the surface of your image based on aesthetics and the conditions under which it will be displayed. Drytac offers a wide variety of films to match your specific output and application. Please consult your Drytac catalog for descriptions of available film choices.

There are several types of laminating jobs that can be performed on JetMounter™ laminators. The following are the most common applications. To prevent adhesives from sticking to the rollers and to provide a reusable, standard working surface, the use of a silicone-coated board (also known as a “Carrier Board”) is highly recommended.

Laminating a Single *Unmounted* Image

Before processing, make sure that the image is clean and free of dust or specks of lint (an Anti-Static cloth or Anti-Static Wisk is recommended for this purpose).



1. Raise the top roller and insert the Carrier Board. Set roller pressure as described in previous chapter.
2. Pre-cut a sheet of overlaminating film from the roll. (The sheet should be larger than the image by approximately 1" on each side and bottom, and 2" on the top).
3. Peel and fold back approximately 2" of release liner from the top edge of the overlaminating film. Tack the film on the Carrier Board by pressing the exposed section of film onto the leading edge of the board.
4. Start the Carrier Board into your laminator using the Foot Pedal mode. Stop before the edge of the laminating film reaches the rollers.
5. Lift up the remainder of the overlaminating film (which is still protected by the release liner)

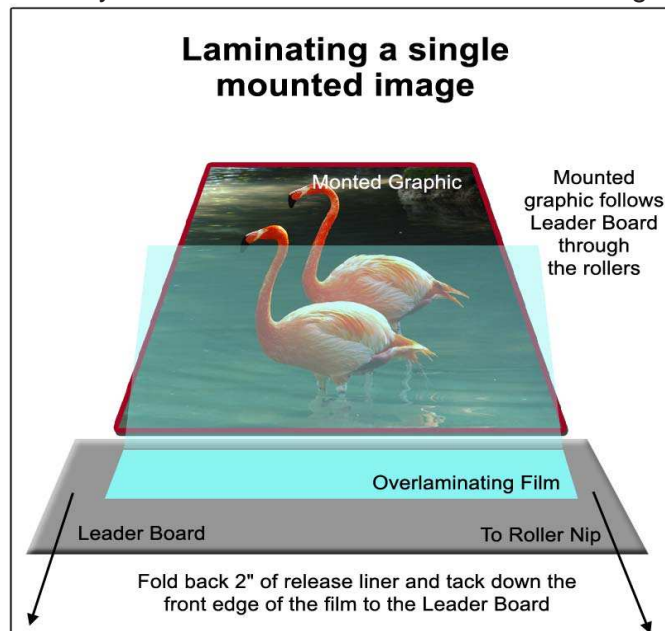
and slide the image face up underneath it. Stop before it makes contact with the exposed part of the adhesive. It is important to keep the film adhesive away from the artwork until the whole assembly is under pressure and traveling through the *JetMounter™*.

6. Lay the laminating film over the top of the upper roller. While holding up the edge of the peeled back release liner with one hand, start the rollers and apply the overlaminating film to the surface of the image. Pull up and away on the release paper as your work piece travels through the laminator. Ensure that the release paper does not reach the point where the image makes contact with the top roller. Be sure to complete this step with a consistent motion and do not stop until the entire image has passed through the rollers.
7. The laminated image can now be easily removed from the silicone-coated Carrier Board for trimming and mounting.

Laminating a Single *Mounted* Image

Before processing, make sure that the images are clean and free of dust or specks of lint (an Anti-Static cloth or Anti-Static Wisk is recommended for this purpose).

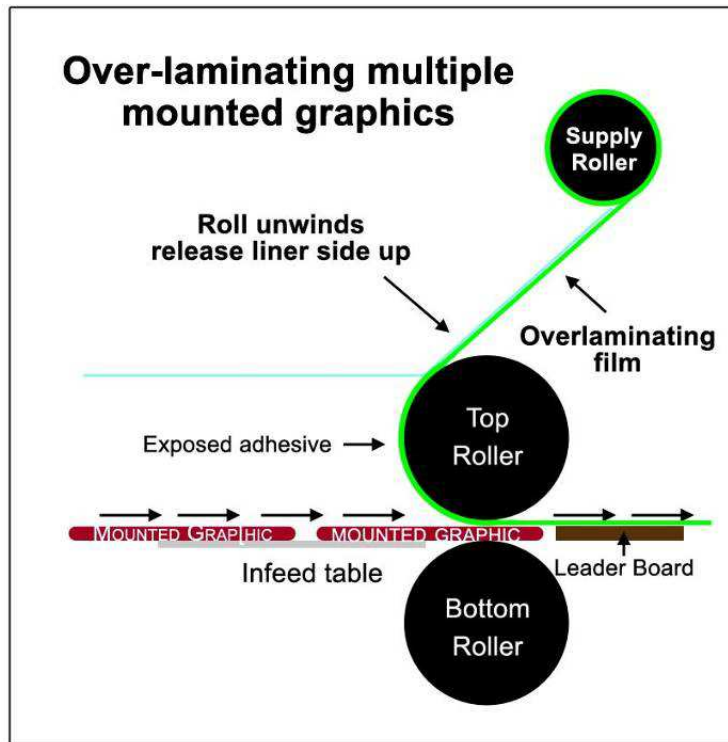
1. Raise the top roller, insert the mounted image into the roller Nip and adjust the roller pressure.
2. Pre-cut a sheet of overlaminating film from the roll. The sheet should be larger than the image by approximately 1/4" on the sides and bottom and 3" longer on the top.



3. Peel and fold back 2" of release paper liner exposing the adhesive of the laminating film.
4. Tack approximately 1-1/2" of the laminating film to the Leader Board, but not over the mounted image.
5. Insert the Leader Board with the laminating film tacked to it into the Nip. Advance the Leader Board and the film through the Nip until the upper laminating roller securely pinches the film. (The trailing edge of the Leader Board should be at the pinch point of the rollers.)
6. Lay the laminating film over the top of the upper laminating roller. Make sure that the folded release paper liner is easily accessible.
7. Slide the mounted image into the Nip area and allow its edge to make contact with the edge of the Leader Board.

8. While holding up the folded edge of the peeled back release paper with one hand, start the rollers and apply the laminating film to the surface of the image. Pull up and away on the release liner as you advance to ensure that the liner does not reach the Nip area. Process your work with a consistent motion and do not stop until the entire image has passed through the rollers.
9. Trim excess overlaminating film from the edges of the image.

Laminating Multiple Mounted Images



1. For higher volume jobs, select a roll of laminating film slightly wider than the mounted images you intend to laminate.
2. Install the overlaminating film on the Supply shaft so that the material can be pulled toward the user from the bottom of the roll with the Release Liner side facing up.
3. Adjust the rollers for proper pressure (see pages 15-16).
4. Pull several inches of the overlaminating film off the roll. Separate the overlaminating film from its release liner (approximately 3-4") and drape it onto the in-feed table in front of the rollers. Keep the release liner away from the film while pushing the Leader Board and film into the roller Nip.
5. Position the first mounted image to be laminated against the back of the Leader Board. Check for proper alignment, and feed through the rollers of your laminator (in Auto mode or with foot pedal). Feed one print in right after another, as needed.
6. Carefully separate prints with a razor blade or utility knife. Trim off the excess film. All large format models have automatic Take Up Shafts on the front of the chassis. You may choose to unwind the Release Liner onto the Take Up Shaft during this process, rather than pulling it by hand.

Using a Leader Board

A Leader Board (also referred to as a “starting panel”) is recommended for use when mounting and laminating with JetMounter™ laminators. A Leader Board is fed into the roller Nip first, followed by the actual mounting/laminating project to be processed. We highly recommend this tool to help set proper pressure for both mounting and laminating prior to processing your work.

The Leader Board should be the same width and thickness of your production mounting board and about 6-8” long. You should also make a Tail Board, which is used behind the last production board. The Tail Board is especially recommended for mounting to foam board.

Carrier Boards

When processing un-mounted images, we recommend you use a silicone-coated board to prevent adhesives from sticking to the rollers. This board is called a Carrier Board, and it provides a re-usable, standard working surface. It will be used when laminating your image prior to mounting it onto a mounting board/substrate. It is common practice for finishing professionals to stock Carrier Boards in several different sizes to accommodate various artwork formats.

Manufacturing Carrier Boards

Making a Carrier Board is basically the same process as pre-coating a mounting board. When the mount board is coated with the adhesive, the silicone-coated release liner provides a slick, non-stick surface on which to laminate images. Be sure to use a “self-wound” adhesive with a silicone treated liner for this purpose.

Preparing Mounting Boards

Once you have decided on the most appropriate adhesive/mounting board combination for your application, it is important that you properly prepare your board before coating. Although often overlooked, this can be the most important step when mounting a print or artwork for display.

Foam Boards (E.G. FOME-COR®, ETC.) The surface of these types of substrates is porous and often contains particles that can spoil an otherwise perfect mount. Clay-coated surfaces such as Fome-Cor®, Foam-X® and similar boards should simply be wiped with a Tac Cloth™ to remove dust particles.

Mat Boards/Mill Boards To prepare mat board or mill board for mounting, use the Anti-Static Wisk™ brush to remove dust particles and other debris.

Hardboard (E.G. MEDIUM DENSITY FIBERBOARD, MASONITE, ETC.) To prepare hardboard substrates for mounting, wipe down the surface with a TacCloth. If the surface contains irregularities, use sandpaper to remove them, and then wipe the surface with a Tac Cloth.

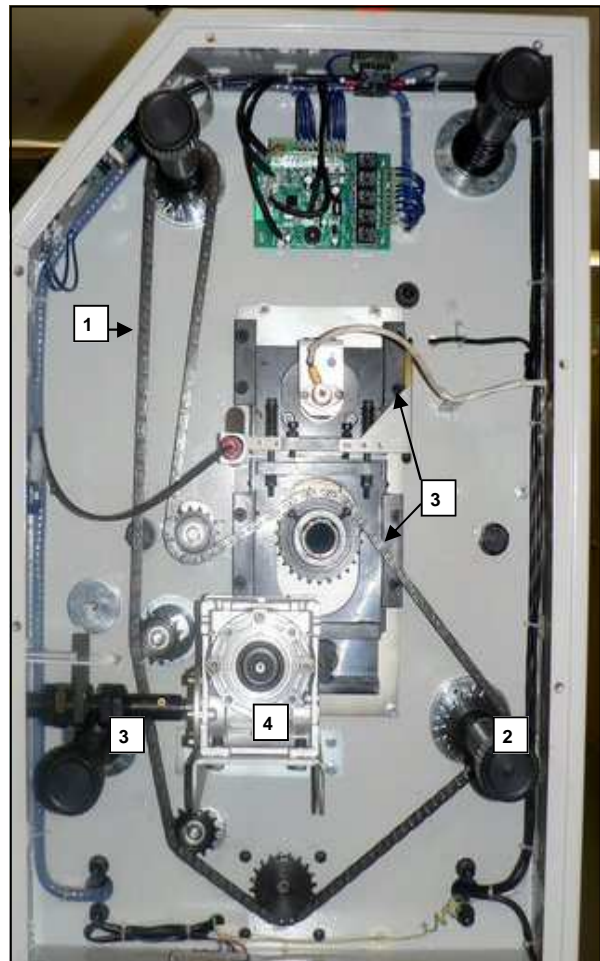
Please note: Due to their highly absorbent properties, do not wipe down the surfaces of any of these substrates (i.e. foam board, mat/millboard or hardboard) with a moist rag.

Care and Maintenance

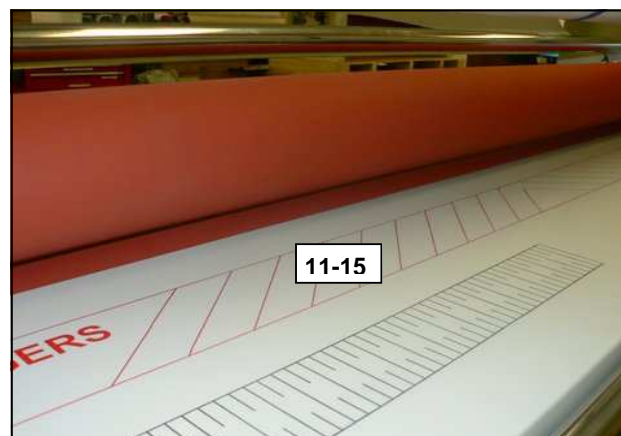
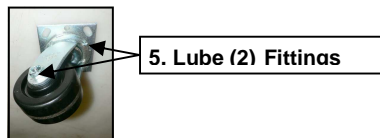
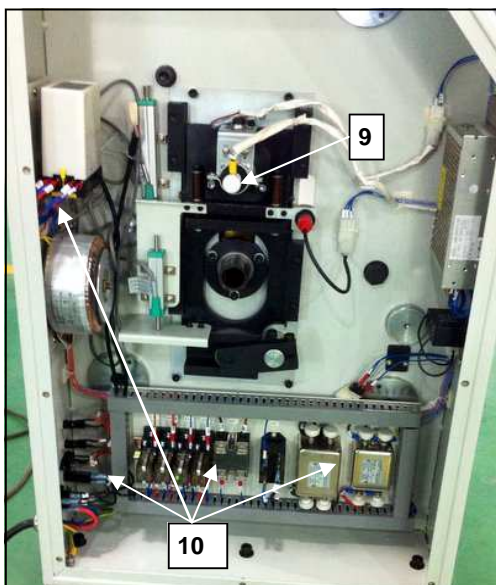
- **CAUTION:** Disconnect the machine from the power source before performing any service or maintenance!
- In order for your JetMounter™ to operate efficiently, be sure to clean it regularly with a soft cloth. A neutral mixture of soap and water or general purpose household cleaner can be used for this purpose.
- **Do not use thinner or a metal brush to clean the rollers!** To remove heavy dirt and adhesive residue Isopropyl Alcohol (90% +) can be applied to a lint free cloth to clean the roller surfaces. Adhesive can be removed with a gum eraser.
- Rollers: In order to extend the life of your JetMounter™ laminator it is **strongly recommended that the rollers be separated when the machine is not in use.**
- Fuses: There are two replaceable fuses on your JetMounter™ located on the rear panel where the power cord enters the machine. Fuses are 5 x 20mm, 5 Amp. The use of any fuse without the same rating specified may endanger the operator and/or machine and invalidate the warranty. Spare fuses can be found inside the schematics envelope located inside the left end panel.
- Lubrication: Lubricate the drive and take up chains located inside the right end case every six months, with a premium brand chain lubricant. **Disconnect power before lubricating the chain!**

Inspection and Lubrication Points:

1. **Drive Chains**, use Chain Lube or WD-40.
2. **Brake/Clutch Assembly Handles**, use oil.
3. **Lift Mechanism Components**, oil on threads and high quality grease for contact surfaces.
4. **Gear Box**, check oil level and add as needed with appropriate hydraulic oil.
5. **Casters**, lube with grease gun.
6. Check/secure all **Sprocket Set Screws**.
7. Look for any **Abnormal Wear** or metal debris.
8. **Operate the machine CAREFULLY** with end panels off to check for noise or irregularities of any kind.
9. **Power Down and Disconnect** the machine to inspect and tighten the heating rod/element power connections.
10. Examine the **Electrical Components** for loose connections or any sign of fatigue.
11. **Clean and Carefully Examine the Rollers** for any cuts abrasions or irregularities. Use Isopropyl Alcohol applied to a lint-free cloth and an eraser block to remove any adhesive, etc.
12. Spin all shafts and rollers to check bearings.
13. Raise and lower the Feed Table to check for proper operation.
14. Wipe down all surfaces with a multipurpose cleaner while inspecting for damage.
15. Note any deep scratches on the Infeed/Outfeed Tables and underside of the Media Guide.
16. Perform Operational/Functionality Test according to Operator's Manual.



Refer to the Operating sequence on Page 25 when performing the functionality test. Depending on machine use, maintenance intervals can be monthly or semi annually. It is recommended that the initial maintenance be performed at least every six months.



JETMOUNTER™ Specifications 55 and 63 Fuzion XD	
Roller Face Width	56.6" / 144 cm 64.5" / 164 cm
Both Roller Diameters	4.7" / 119 mm
Roller Construction	Steel-with High-Release Silicone Covering.
Width	74.25" / 189 cm 81.5" / 207 cm
Depth	25" / 64 cm
Height	50.5" / 128.2 cm (on stand)
Weight	573 lbs / 260 kg 752 lbs./ 341 kg
Max. Opening	1" / 2.5 cm
Max. Laminating Width	55"/140 cm 63"/160 cm
Max. Material Diameter	10 " / 25.4 cm
Electrical Requirements	Dual Voltage 110V or 220V, 50/60Hz
Speed Range	1-20 fpm 0.5-6 mpm
Core Size	3" / 7.6 cm
Packaged For Shipment as Assembled Unit	
Weight	63XD = 440 kg / 970 lbs
Width	63XD = 221 cm / 87 "
Depth	63XD = 76 cm / 30 "
Height	63XD = 147 cm / 58"

In-feed/Out-feed Table height of the assembled Fuzion on the stand is 35.25".

CONTACT INFORMATION

Drytac Corporation (USA)

5601 Eastport Blvd.
Richmond, VA 23231
Toll Free Phone: 800-280-6013
Toll Free Fax: 800-622-8839
E-mail: sales@drytac.com

Drytac Europe (UK)

Filwood Road, Fishponds
Bristol BS16 3RY, United Kingdom
Phone: +44 (0) 117-958-6500
Toll Free Phone: 0845-070-0660 (UK only)
E-mail: Bristol@drytac.com

Drytac Canada, Inc.

105 Nuggett Court
Brampton, Ontario
Canada L6T5A9
Toll Free Phone: 800-353-2883
Toll Free Fax: 877-437-9822
E-mail: toronto@drytac.com

JetMounter™ Registration Information

COMPANY NAME: _____
ADDRESS: _____
CITY / STATE: _____
MODEL #: _____
SERIAL #: _____
PURCHASE DATE: _____
WARRANTY CARD RETURNED ON: _____ BY: _____

WARRANTY

We thank you for your purchase of the *JetMounter*[™] laminator and want to assure you that we will do our best to see that your experience with your new machine is a positive one. Every Drytac machine is designed and manufactured to give many years of dependable service.

To achieve the best results from your *JetMounter*[™] the machine should be set up and operated in accordance with the instructions included in this manual.

The *JetMounter*[™] warranty covers parts for twelve months and labor for three months from the purchase date. During the first three months of the warranty period, Drytac or their dealer will arrange for the machine to be repaired, replaced or refunded at Drytac's discretion. (Excludes shipping and travel costs). Rollers are guaranteed for 3 months against manufacturing defects.

After the warranty period has expired, Drytac will provide all reasonable assistance and product support to resolve any problems that may arise.

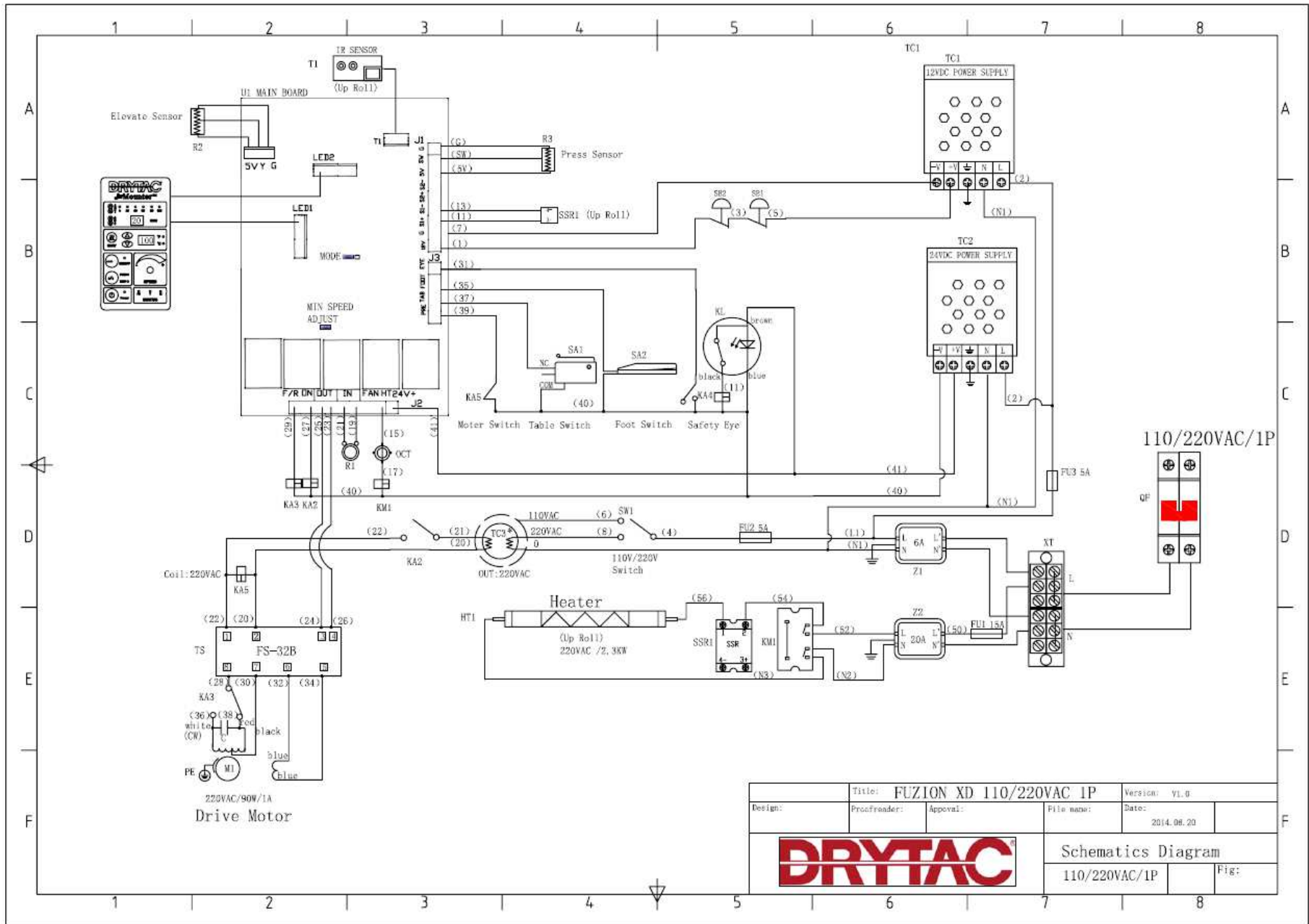
Please return your warranty card as soon as possible. This will help us more efficiently assist with any problem you may encounter. You will find a section for recording this important information for your records and any future parts or service requests on page 22 of this manual.

Normal wear and tear, any damage to the silicone rollers, damage due to abuse, improper operation or installation is not covered by this warranty. Conditions that will void the warranty include, but are not limited to: failure to follow the instructions contained in this manual, unauthorized changes or modifications to the machine or the stand (where applicable) in any manner or misuse of the machine for purposes other than specified in the Operators Manual. Drytac will not be responsible for any damage or consequential damage caused by the machine. Please feel free to contact Drytac if you have any questions or problems.

Before calling Drytac Technical Services, complete the *JetMounter*[™] Registration Information on the previous page and have it available for reference.

JETMounter XD Operation Sequence

Mode	Photo Cell Clear and No Micro Switches Activated	Photo Cell Blocked	Table Switch Activated	E-Stop Pressed
To operate in Standard Mode	<p>1. First, turn ON the Main Power switch on the back of the left end case. 2. Press POWER pad on Control Panel. 3. Select roller direction by pressing F/R pad on Control Panel. Press twice to change direction.</p> <p>4. Check rollers to confirm clear of obstruction/ ready to begin.</p> <p>5. Set processing speed by rotating Speed Control Knob.</p> <p>6. Activate roller by pressing ROLLER pad on the control panel, the rollers will rotate at the set speed.</p>	<p>When the "Photo Cell" is blocked, the ROLLER WILL STOP! The obstruction must be cleared before the Roller can be re-activated by pressing the ROLLER pad on the Control Panel.</p> <p>"PC" STATUS Light will be ON when Photo Cell is blocked.</p>	<p>When the table is lowered, a safety switch is activated, which will stop the roller when in the AUTO Mode. To reset, raise the table and seat the pins securely, then press the ROLLER pad again to activate roller.</p> <p>"T" STATUS Light will be ON when table switch is activated.</p> <p>Note: Table switch activation will only stop the motor. Power to the control panel, heaters and fans stays ON.</p>	<p>1) When "E-Stop" is pressed while processing, the Motor will stop and the power to the heater and the control panel is OFF.</p> <p>2) When E-Stop is Reset by turning it clockwise, the following will happen:</p> <p>a) Power to the control Panel is ON.</p> <p>b) Heat <u>will not turn on</u> unless the "HEAT" pad is pressed on the Control Panel.</p> <p>c) Roller <u>will not rotate</u> unless the "ROLLER" pad is pressed on the Control Panel.</p>
Foot Switch Operation	When the footswitch is pressed , the rollers will rotate at the set speed.	When the footswitch is pressed , the rollers will NOT STOP rotating! Speed will slow to 2 fpm.	When the footswitch is pressed , the rollers will rotate at 2 ft/min.	<p>A) When the footswitch is pressed the rollers Must not rotate. The foot switch must not override the E-stop function when is pressed.</p> <p>B) When E-stop is pressed it must override the footswitch function and the rollers must stop.</p>
	When the footswitch is released, the rollers will stop rotating unless the operator presses the "ROLLER"pad and the machine will run at the set speed.	The machine will go at slow mode and the alarm sounds until the the safety eye is cleared. Once the "Photo Cell" is cleared, the operator should first press the "ROLLER" pad and then release the "Foot Switch" and rollers will rotate at the set speed without stopping.	When the footswitch is released, the rollers will stop rotating.	
"REV" (Reverse) Note: Operator must first stop machine before pressing "REV" pad.	When "REV" light is on and footswitch pressed, the rollers will rotate in reverse at 2ft / min, and the alarm will sound.	When "REV" light is on and footswitch pressed, the rollers will rotate in reverse at 2 ft/min, and the alarm will sound.	When "REV" light is on and footswitch pressed, the rollers will rotate in reverse at 2ft/min, and the alarm will sound.	When E-stop is pressed, the footswitch is off.
	When footswitch is released, the rollers will stop rotating.	When footswitch is released, the rollers will stop rotating.	When footswitch is released, the rollers will stop rotating.	



Title: FUZION XD 110/220VAC 1P		Version: V1.0	
Design:	Proc/rauder:	Approval:	File name:
		Date: 2014.08.20	
DRYTAC			Schematics Diagram
			110/220VAC/1P Fig:

Fuzion XD Components

