

OPERATING MANUAL XM6300

Please read this manual carefully before operating!



Unpacking, assembly, and operating videos are available at www.xm6300.com

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1. Introduction

Thank you for choosing a Xyron laminator. It has been designed and manufactured to provide years of continuous service. Please read this manual thoroughly before operating. Please inspect the box and the laminator for shipping damage. Damage should be brought to the attention of the delivering carrier immediately. For a list of shipping components see "Packing List" on page 9.

2. Important Safety Instructions 2



In this operating manual you will find important safety messages regarding the product.

Read these instructions carefully, failure to comply with the following safety procedures could result in serious injury.

WARNING Do not attempt to service or repair the laminator. Only authorized maintenance and service technicians should make repairs.

Do not connect the laminator to an electrical supply or attempt to WARNING operate the laminator until you have completely read these instructions. Maintain these instructions in a convenient location for future reference.

WARNING To guard against injury, the following safety precautions must be observed in the installation and use of the laminator.

3. Installation Safeguards 🔨



- Shipping damage should be brought to the immediate attention of the delivering carrier.
- Avoid locating the laminator near sources of heat or cold. Avoid locating the laminator in the direct path of forced, heated or cooled air.
- The receptacle must be located near the equipment and easily accessible.
- Connect the attachment plug provided with the laminator to a suitably grounded outlet only. This machine must have reliable earth wire to ensure the safety of the machine during operations.
- Contact an electrician should the attachment plug provided with the laminator not match the receptacles at your location.

- Ensure that the voltages of the power supply you are using match the rated working voltages before operations. Do not use incorrect power supply.
- Do not use damaged wires or sockets. If abnormal conditions occur, switch off the power supply first.
- Only a licensed electrician should install wiring and outlet for the
- Do not defeat or remove electrical and mechanical safety equipment such as interlocks, shields and guards.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is courage to try to correct the interference by one or more of the following measures:

- —Reorient or relocate the receiving antenna.
- —Increase the separation between the equipment and receiver.
- —Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- —Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

4. General Safeguards 🛆

- Keep hands, long hair, loose clothing, and articles such as neckties away from rollers to avoid entanglement and entrapment. The rollers have pinch points that can trap body parts or clothing and cause serious injury.
- Do not use the machines for purposes other than lamination and mounting, otherwise damages to the machine or accidents may occur.
- Keep out of reach of children.
- Keep flammable and wet objects away from the machine.
- Do not use flammable sprays or materials when cleaning the machine.
- Do not leave the machine unattended during operations.
- Do not mount metal materials or other hard objects.
- Do not attempt to laminate items that exceed total recommended material thickness of the unit.
- Do not place any foreign object inside the machine.
- To avoid damage to the rubber coating, do not cut films directly or near rollers. Do not run sharp objects through the rollers.
- Shut down the machine after laminating to avoid misuse of this machine by others.
- Shut down the power before moving the machine.
- Note the locations of foot wheels while moving or operating this machine to avoid injuries to your feet.
- Disconnect from the power supply before repair or maintenance.
- Disconnect from the power supply when the machine is not in use for a long time.
- When the machine lies idle for a long period of time, raise the top rubber roller to avoid distortion of the rubber surface.
- Perform only the routine maintenance procedures referred to in these instructions.

5. Operating Conditions

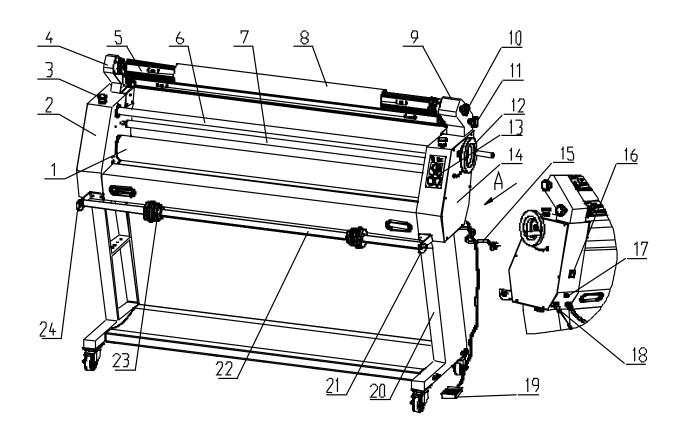
- Place machine on level surface
- Environment requirements: Ambient temperature: 50° F - 104° F

Humidity: 30%—80%; Ideal humidity: 55%

- Due to the static on film rolls, you should try to keep the environment clean.
- Provide enough space around machine to ensure safe and effective operation. The minimum area covered is 8 ft. x 10 ft.
- Do not cut films directly on the surfaces of the rubber rollers to avoid damage to the rollers.
- Do not run burrs, sharp knives or extra thick and hard materials in between the rollers. Do not leave objects like tools, rulers, knives, etc., on the working panels or the side cabinets to avoid being rolled into the machine accidentally and damaging the rollers.
- For repairs and replacements, please contact Smooth Finish LLC (contact information is at the end of this manual). Unauthorized repairs and dismantling will affect future maintenance of the machine.
- The machine can laminate continuously objects less than ½" thick. For objects over ½" but less than 1" thick, use the pedal switch.

Warning: Do not keep the machine in direct sunshine or near it. Do not keep the machine in places with dust or strong vibrations.

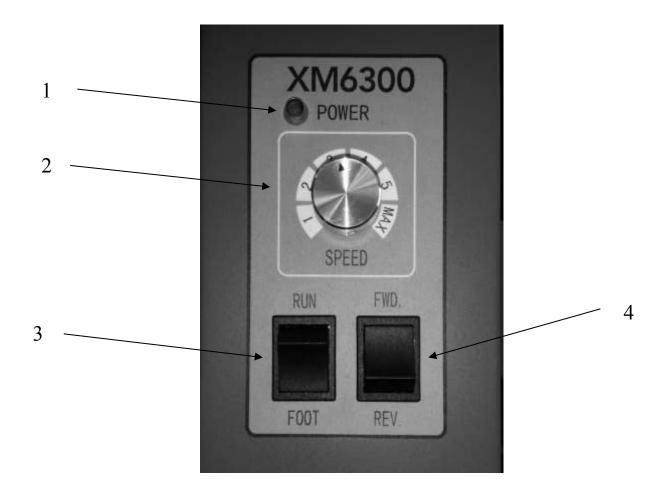
4. System Components



- 1. Top Rubber roller
- 2. Left cabinet
- 3. Emergency stop switch
- 4. Left rewind housing
- 5. Liner rewind shaft
- 6. Pressure adjustment linkage shaft
- 7. Idler bar
- 8. Liner rewind cardboard tube
- 9. Right rewind housing
- 10.Liner rewind brake adjustment
- 11. Film supply brake adjustment
- 12. Roller gap adjustment hand wheel

- 13. Control panel
- 14. Right cabinet
- 15. Power cord
- 16. Power switch
- 17. Fuse
- 18. Foot pedal plug connection
- 19. Foot switch
- 20. Stand
- 21. Right feed roll bracket
- 22. Lower supply shaft and brakes
- 23. Core adaptor/ brake assembly
- 24. Left feed roll bracket

7. Control Panel



- 1. Power on indicator
- 2. Speed adjustment

- 3. Run/foot pedal switch
- 4. Forward/reverse switch

Note:

- 1. The machine does not have continuous reverse. Reverse can only operate using the pedal switch
- 2. If the photo-electric eye stops the machine, move operation switch to "Foot" then back to "Run" to continue operation.

8. Packing List

Remove all parts from shipping crate and boxes. Inspect parts and machine carefully. Any missing parts should be reported to service provider upon receipt of shipment.

Main Machine Crate			
Part	Quantity	Part	Quantity
Main Machine	1	Velcro straps	7
Upper shafts	2	Allen wrench 4mm	1
Stand locking screw	4	Allen wrench 6mm	1
Cardboard rewind tube	1	T-Allen wrench 5mm	1
Lower supply shaft	1	Hex screw 8mm x 80	12
Lower supply shaft brackets	2	Hex screw 6mm x 16	4
Lower supply shaft brakes	2	Hex screw 5mm x 14	6
Foot switch	1	Flat washer 8	12
Left rewind housing	1	Lock washer 8	12
Right rewind housing	1	Flat washer 6	4
Right stand side frame	1	Lock washer 6	4
Left stand side frame	1	Flat washer 5	6
Stand cross member	3	Lock washer 5	6
Zippy Knife	1	Star washer 5	1
Cloth tray	1		

9. Installation

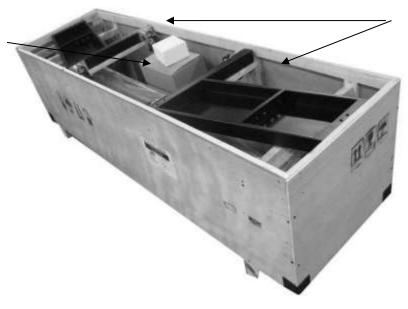
A. Uncrate the machine

- 1. Remove screws holding the top cover to the crate sides
- 2. Lift crate top off



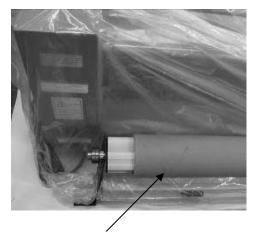
- 3. Remove bolts securing the stand side frames to the crate cross members located on top of the machine
- 4. Remove accessory boxes

Accessory Boxes



Stand Side Frames

- 1. Remove screws and end caps around base of the crate sides
- 2. Lift crate sides off the crate base. Use 2 people and lift straight up
- 3. Remove supply shafts and stand cross members from the crate base by loosening the screws and hold down straps





Rewind Tube

Supply Shafts Cross members

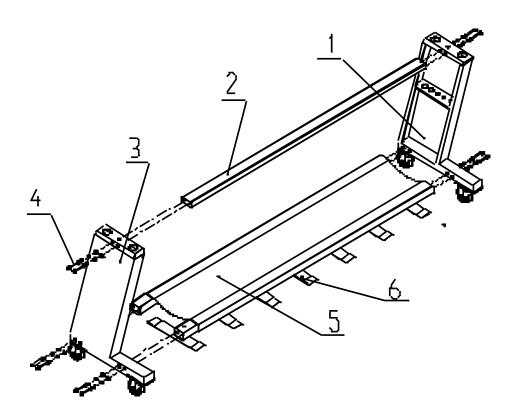
4. Remove plastic cover over machine



Accessory box

9. C. Assemble machine stand

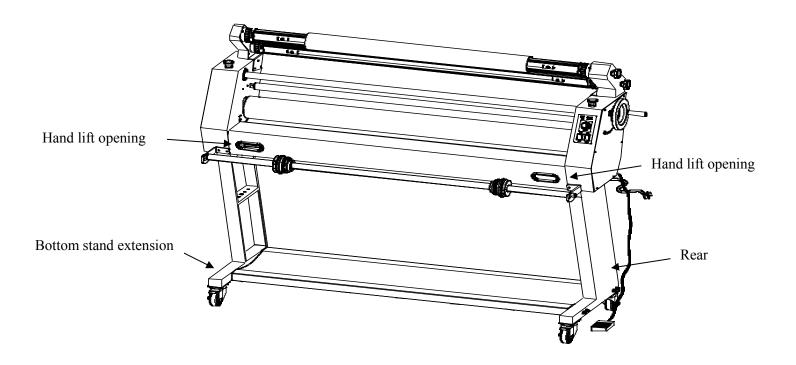
- 1. Bolt cross members to stand side frames using (12)- 8mm x 80 Hex screws
- 2. Each screw takes a flat washer and lock washer Flat washer against the stand.
- 3. Start all screws by hand before tightening
- 4. Lay cloth tray across two bottom cross members
- 5. Attach tray to cross members using 7- Velcro straps



- 1. Right stand side frame
- 2. Top cross member
- 3. Left stand side frame
- 4. Cross member screws (12) 8mm X 80
- 5. Cloth tray
- 6. Cloth tray Velcro strap

9. D. Set machine on stand

- 1. Remove machine from the crate base
- 2. Lift machine onto support stand (Note bottom stand extension is to the front of the machine)





Warning: The machine weight is 322 Lbs. when moving the machine, lift by using the hand lift openings on the front and rear panels. Do not use roller gap adjustment hand-wheel for lifting!

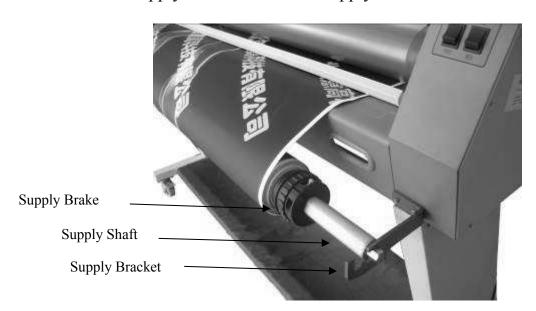
9. E. Bolt Machine to Stand

1. Secure machine to stand from under the stand using (2) chrome screws on each side



9. F. Attach bottom supply brackets and insert supply shaft

- 1. Attach Bottom supply brackets to Front of each side cover using (4) -8mm x 20 Hex screws, flat and locking washers
- 2. Slide brakes on round supply shaft
- 3. Insert supply shaft onto bottom supply brackets



10. Install upper rewind housings

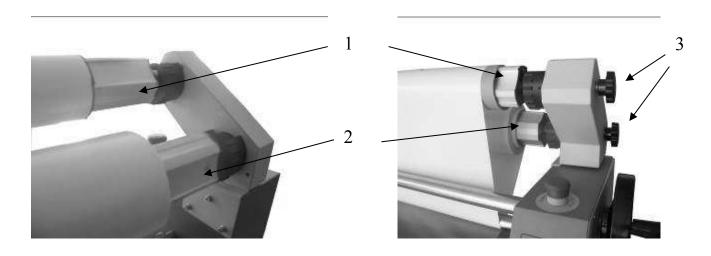
- 1. Remove left and right upper rewind housing from accessory box
- 2. Bolt right upper rewind housing with tension adjustment knobs to inside the right side frame of machine using (3) Hex 5mm x 12 screws and lock washers (Star washer used where paint is removed)
- 3. Bolt left upper rewind housing to inside the left side frame of machine using (3) Hex 5mm x 12 screws and lock washers

(Note: Both housings angle toward front of the machine)

4. See section 12 to insert top supply shafts

Left rewind housing

Right rewind housing



1. Top Liner rewind shaft 2. Supply shaft 3. Tension adjustment knobs

11. Additional Installation items

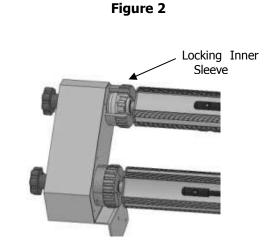
- 1. Plug foot pedal into rear panel near power cord
- 2. Check drive chains for tightness
- 3. Check all drive set screws for tightness
- 4. Check all electrical connections and input power and test for proper operation

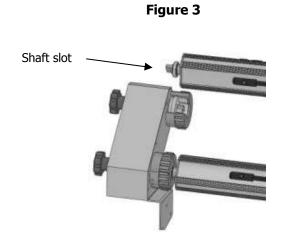
12. Install Upper shaft brakes

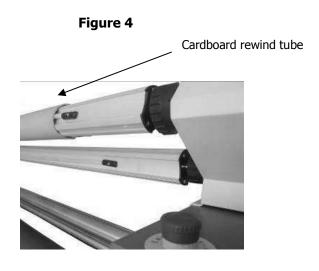
- 1. Rotate the locking outer sleeves in the direction of the arrow indicated in Figure 1, to their open position aligned with the inner sleeve as in Figure 2.
- 2. Insert slotted end of each upper shaft into the right shaft housing with tension adjustment knobs and drop shaft into place as in Figure 3.
- 3. Rotate all outer locking sleeves to lock shafts in place
- 4. Cardboard core is used on upper rewind shaft to take up film liner as in Figure 4

Figure 1

Locking Outer Sleeve

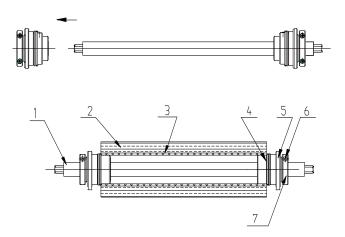






13. Loading Bottom Supply roll

- 1. Loosen the fastening screws on the brake assembly on one side of the round supply shaft, and slide brake assembly off the supply shaft
- 2. Slide the new roll onto the supply shaft
- 3. Return the brake assembly and brake pad to the supply shaft
- 4. Position the supply roll in the middle of the supply shaft and measure the distance from one side of the roll to the side frame (You'll use this measurement when loading the top supply roll in section #14 to align the top and bottom rolls)
- 5. Fasten the screws for brake assembly (Note: there should be 1/8" clearance between the positioning and the adjusting sleeves of the film core adaptor to make brake adjustment easier)
- 6. Adjust the brake tension by turning the adjusting sleeve (Note: the brake tension should not prevent roll from turning)

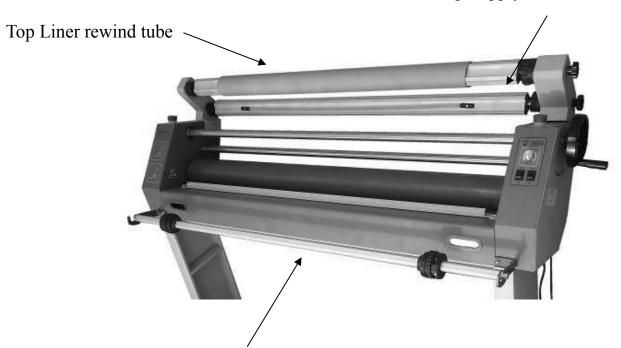


- 1. Supply shaft 2. Substrate 3. Cardboard Core 4. Positioning Sleeve
- 5. Brake Adjustment Screw 6. Fastening Screws for the Brake Assembly 7. Brake Assembly

14. Loading Top Supply roll

- 1. Slide the top supply roll onto the top rear supply unwind shaft
 - a. If using Liner-in film, the web should come off the bottom of the roll, for Liner-out film the web should come off the top of the roll (See threading diagram in #15)
- 2. Position the roll in the middle of the supply shaft. (Position the same distance from the roll to the side frame as the bottom roll in section #13 to align the top and bottom rolls)
- 3. Adjust the brake tension by turning the tension adjustment knob (Note: the brake tension should not prevent roll from turning)
- 4. Slide empty cardboard tube onto the top, front liner rewind shaft

Top Supply unwind shaft

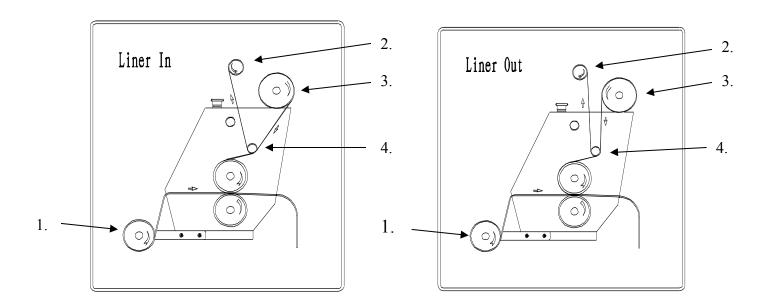


Bottom Supply unwind shaft

15. Threading Film

- 1. Turn the pressure-adjusting hand-wheel to lift up the upper rubber roller
- 2. Pass the film web under the idler bar and down in front of the roller
- 3. Separate 1" of the paper liner from the film web, attach film web to a leader board the width of the film roll and insert leader board into the rollers
- 4. Lower the top rubber roller onto the leader board
- 5. Pull the liner up behind the pressure adjustment linkage shaft and attach to a cardboard tube on the liner rewind shaft as in the diagram below
- 6. Use foot pedal to advance the film web until the leader board is under the roller
- 7. Pull the bottom media or kraft paper web up and adhere to the exposed film web
- 8. Use foot pedal to advance both webs until cleared of the nip rollers

Note: The film should be without wrinkles and tight to the surface of the roller. If the film is not tight enough, increase the roller pressure. If wrinkles appear in the film web, adjust the brake tension on the top film supply roll. If wrinkles appear in the bottom media or paper roll, adjust the brake tension on both sides of the roll.



1. Media or kraft Paper

2. Liner rewind

3. Top supply roll

4. Idler bar

16. Operation

1. Plug power cord into a proper receptacle

Connect the attachment plug provided with the laminator to a suitably grounded outlet only. This machine must have reliable earth wire to ensure the safety of the machine during operations.

- Contact an electrician should the attachment plug provided with the laminator not match the receptacles at your location.
- Ensure that the voltages of the power supply you are using match the rated working voltages before operation. Do not use incorrect power supply.
- Do not use damaged wires or sockets. If abnormal conditions occur, switch off the power supply first.
- **2.** Turn power to "ON" with the rear power switch.

17. Roller Gap

- 1. When the pressure-adjusting hand-wheel is turned clockwise, the top rubber roller comes down and the pressure will increase.
- 2. With a counter-clock turn, the top rubber roller goes up and the pressure will decrease.
- 3. Too much nip pressure will wrinkle the output. Bring the nip roller down to just touch the image, then a slight increase in pressure.
- 4. When using the XM6300, bring the rollers down only to touch the two webs together.

18. Laminating

Note: It is hard to remove film adhesive once it gets onto the rubber rollers. When laminating, always use materials the same width as the film roll. If your sheets are narrower than the film roll, use a laminating sled or kraft paper roll on the bottom to keep the film adhesive from sticking to the bottom rubber roller of the machine. Always use a media roll the same width or wider than the film supply roll.

To clean the rollers, use rubber eraser or Isopropyl Alcohol and a shop towel.

18 A. Single Sheets using a sled

- Load a roll of laminating film on the top roller. (See loading film section 14)
- Turn the pressure-adjusting hand-wheel to lift up the upper roller.
- Select a piece of Gatorboard or other PVC mounting board the width of the film web to use as a sled under the print to be laminated.
- Insert the sled between the nip rollers and lower the top roller until it touches the sled.
- Reverse the motor to back the sled out of the rollers.
- Pass the film web under the idler bar and down in front of the roller.
- Separate 1" of the paper liner from the film web, attach film web to a leader board the width of the film roll and insert leader board into the rollers.
- Use foot pedal to advance the film web half way through the roller and stop.
- Position print on the sled.
- Depress the foot switch and run sled through.
- Insert another leader board or next sled right behind the first sled.

18 B. Multiple sheets using kraft paper from a roll

- Load a roll of laminating film on the top unwind Supply Shaft. (See loading film section 14)
- Load a roll of kraft paper on the bottom, front unwind Supply Shaft, unwinding from the BOTTOM of the roll.
- Thread both rolls through machine (see Threading film section 15)
- Press run.
- Feed single sheets continuously.



18 C. Media from a roll

- Load a roll of laminating film on the top unwind Supply Shaft. (See loading film section 14)
- Load a roll of printed media on the bottom, front unwind Supply Shaft, unwinding from the TOP of the roll.
- Thread both rolls through machine (see Threading film section 15).
- Press run.





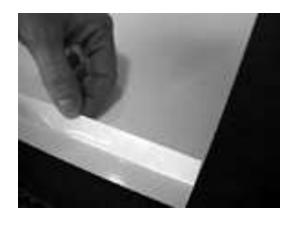
19. Mounting

19 A. Pre-coating mounting boards

- Load a roll of mounting adhesive on the top roller (See loading film section 14).
- Insert leader board the same thickness as the board to be coated and the width of the mounting adhesive, between the nip rollers and lower the top roller until it touches the board.
- Pull mounting adhesive down over the idler bar and over the front of nip roller and adhere to the leader board.
- Run leader board half way through the roller and stop.
- Insert mounting board to be coated and depress foot switch.
- After the last board, insert leader board to keep adhesive from contacting the rollers.

19 B. Mounting print to a pre-coated mounting board

- Pull back and fold down 1" of the liner from the pre-coated mounting board.
- Adhere leading edge of the print to the exposed adhesive on the board.
- Insert leading 1" of the board into the nip rollers.
- Lower the roller.
- Lay print over top nip roller.
- Hold release liner on board with one hand and apply pressure to print as it comes over the top roller.
- Depress the foot switch to run the board and print through the rollers.





20. Troubleshooting

Problems	Causes	Solutions	
Machine does not turn on	 No power supply Main power switch is OFF Circuit breaker has tripped Blown main power fuse Motor has failed 	 Plug in power cord Place power switch to ON Reset circuit breaker Replace fuse on rear panel Change the electric motor 	
Rollers do not turn after "Run" button is pressed	 Emergency switch is engaged Excess roller nip pressure 	 Disengage emergency switch Reduce the nip pressure of the rubber rollers 	
Poor film adhesion or cloudy prints	 Nip roller pressure to low. Dust on the surface of the print 	 Increase nip roller pressure Clean print surface before lamination 	
Poor film adhesion on one side	Nip roller pressure on the two sides is not even	See "Roller gap adjustment"	
Lamination output is curled	 Sheet is curled upward Sheet is curled downward 	 Reduce top roll tension Reduce bottom roll tension 	
Film supply roll gets loose during operation	Not enough brake tension on supply roll	Increase brake tension on supply roll	

Backing paper gets loose when being rolled up	Not enough brake tension on the backing paper rewind roller	Increase brake tension on backing paper rewind roller
Wrinkles in film both on top and bottom	1. Too much nip roller pressure	1. Reduce nip pressure with hand wheel

21. Specifications

Description	Specifications
Laminating width	63"
Roller diameter	4.5"
Roller gap	1"
Laminating speed	13ft/min
Unwinds	Top/Bottom
Liner rewind	Chain drive
Pressure adjustment	Single wheel
Tension adjustment	Single knob
Power supply	110v 0.4amp
Power consumption	38W
Foot pedal	Included
Stand with casters	Included
Net weight	322 lbs.
Dimensions	79.8 x 21.7 x 54.7
Shipping weight	421 lbs.
Shipping dimensions	84.5 x 25 x 27.2



LIMITED WARRANTY

(for the U.S.A. only)

The limited warranty set forth below is given by Xyron, Inc. with respect to the XM6300 wide format laminator (the "Product"), when purchased and used in the United States.

What Does This Warranty Cover? This warranty covers any defects in your new Xyron XM6300 wide format laminator. If the product is defective and the problem is caused by defects in manufacturing or workmanship, Xyron, Inc. will replace it.

How Long Does the Coverage Last? This warranty lasts for one (1) year following shipment of the product to you.

What Does This Warranty Not Cover? This warranty covers only manufacturing defects and does not cover damage caused by misuse, neglect, accident, or normal wear and tear. This warranty specifically does not cover damage to laminating rollers caused by knives, razor blades, or any sharp objects or abrasives, or failure caused by adhesives, or damage caused by lifting, tilting and/or any attempt to position the machine other than rolling on the installed castors or feet on even surfaces, or improper use of the machine. Warranty repair or replacement by Xyron or its authorized reseller(s) or agents does not extend the warranty beyond the initial period from the date of shipment. Unauthorized customer alterations will void this warranty. This warranty does not apply if the product has had its serial number altered or removed.

What Will Xyron Do? Xyron will replace the defective product, at Xyron's expense, including any costs required to return the replacement product to you. If the product to be replaced is no longer available, then Xyron will substitute a comparable product.

DISCLAIMERS/LIMITATION OF LIABILITY.

NO IMPLIED WARRANTY, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, APPLIES TO THE PRODUCT AFTER THE APPLICABLE PERIOD OF THE EXPRESS LIMITED WARRANTY

STATED ABOVE, AND NO OTHER EXPRESS WARRANTY OR GUARANTY, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON OR ENTITY WITH RESPECT TO THE PRODUCT SHALL BIND XYRON. (Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you).

XYRON SHALL NOT BE LIABLE FOR LOSS OF REVENUES OR PROFITS, INCONVENIENCE, EXPENSE FOR SUBSTITUTE EQUIPMENT OR SERVICE, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE OR MISUSE OF, OR INABILITY TO USE, THE XM6300 LAMINATOR, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF XYRON HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT SHALL RECOVERY OF ANY KIND AGAINST XYRON BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY XYRON AND CAUSING THE ALLEGED DAMAGE.

WITHOUT LIMITING THE FOREGOING, YOU ASSUME ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO YOU AND YOUR PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF USE OR MISUSE OF, OR INABILITY TO USE, THE PRODUCT NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF XYRON (Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you). THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THE PRODUCT, OR THE PERSON FOR WHOM IT WAS PURCHASED AS A GIFT, AND STATES YOUR EXCLUSIVE REMEDY.

This limited warranty gives you specific legal rights, and you may also have other rights, which vary from state to state

How Do You Get Service? To request service under this warranty for your machine and receive instructions, please contact the following authorized service center:

Smooth Finish, LLC Attn: Xyron Warranty Claims Tel: (+1) 770-235-9374

E-mail: info@smoothfinish.net

PO Box 1268 Hartwell, GA 30643

If you call or send an e-mail, you will normally receive a response or be contacted within four regular business hours (U.S. Eastern time).

The Product covered by this limited warranty and proven to be defective upon inspection will be repaired without charge by the authorized service center. Any Product examined by the authorized service center that is not covered by the limited warranty will be not repaired, or at the discretion of the authorized service provider, you may receive a written estimate of repair at such cost as the service center may establish from time to time.

Sales information and other feedback:

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Attn: Customer Service,

Telephone (+1) 800-793-3523.

Web site: www.xyron.com.

Email: customerservice@xyron.com

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