

Maxit

Operation and Maintenance Manual

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CASLON
L·I·M·I·T·E·D

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Specifications

Model 305mm (12")	
Maximum Paper Size:	305mm x unlimited
Physical Size:	560mm long x 275mm wide x 150mm high
Shipping Size:	660mm long x 355mm wide x 254mm high
Net Weight:	12 Kilos
Shipping Weight:	14 Kilos
Model 622mm (24.5")	
Maximum Paper Size:	622mm x unlimited
Physical Size:	865mm long x 275mm wide x 150mm high
Shipping Size:	965mm long x 355mm wide x 254mm high
Net Weight:	17 Kilos
Shipping Weight:	19 Kilos
Model 927mm (36.5")	
Maximum Paper Size:	927mm x unlimited
Physical Size:	560mm long x 275mm wide x 150mm high
Shipping Size:	1170mm long x 355mm wide x 254mm high
Net Weight:	23 Kilos
Shipping Weight:	25 Kilos
All models	
Paper Thickness:	120 gsm – 800 gsm (0.1 – 2.5mm)
Gluing Speed:	30cms in 40 seconds
Feeding Method:	Hand feed
Delivery Method:	Hand feed
Power:	AC 230V, 50Hz
Auxiliary Parts supplied with machine:	Instruction Manual, Screwdriver, Hand roller

Safety Information

Read and understand all instructions in this manual before attempting installation, operation or general maintenance of the Maxit.

- Use only a grounded electrical outlet when connecting the Maxit to a power source. If you are unsure, check with a qualified electrician – see “Important information before you start” below.
- Observe all warnings and instructions marked on the Maxit.
- Unplug the Maxit from wall outlets before cleaning or maintenance.
- Do not install or operate the Maxit near water or whilst you are wet.
- Make sure the Maxit is installed on a secure and stable surface.
- Make sure the power cord does not obstruct walkways near the Maxit.
- Keep long hair and jewellery clear whilst operating the Maxit.
- Never operate the Maxit with any guarding removed.
- Always disconnect the power to the Maxit whilst not in use.
- If you are in any doubt about the operation of the Maxit, please call your local service agent.

Important information before you start

A power surge protector should be used with the Maxit to protect the electronics. Electronics that are damaged due to power surges are not covered under the standard warranty.

The user is solely responsible to assure that the Maxit is not connected to the wrong voltage. Damage caused by incorrect voltage hook-up is not covered under the standard warranty.

We recommend that the Maxit box and packing materials be kept. While service parts are available from your dealer and can typically be easily replaced in the field, it may be necessary to return the Maxit to the factory for complex service. The Maxit box and packing material have been designed to protect the machine from normal handling during transportation.

Use only Maxit adhesive in this coater

Product Recycling and Disposal



European Union - Disposal Information for Commercial Users

Application of this symbol on your equipment is confirmation that you must dispose of this equipment in compliance with agreed national Procedures.

In accordance with European legislation end of life electrical and electronic equipment subject to disposal must be managed within agreed procedures.

Prior to disposal please contact your local dealer for end of life take back information.

European Union - Disposal Information for Domestic Users

Application of this symbol on your equipment is confirmation that you should not dispose of the equipment in the normal household waste stream.

In accordance with European legislation, end of life electrical and electronic equipment subject to disposal must be segregated from household waste.

Private households within EU Member States may return used electrical and electronic equipment to designated collection facilities free of charge. Please contact your local disposal authority for information.

In some Member States when you purchase new equipment your local retailer may be required to take back your old equipment free of charge. Please ask your retailer for information.

Countries not within the European Union

Please contact your local waste authorities and request disposal information.

Start Up



Important: During warm up, the coating roller gets heated up by the adhesive. It is very important that the level of the adhesive be above the “full” block (top block, located in the left side of the tray). If the adhesive is too low, the warm up will take longer and the roller will have trouble turning.

Connect the machine to an approved outlet and switch the machine on by using the red ‘Power’ button mounted on the rear of the machine.

Warm up time is normally 55 minutes. When the machine has reached the correct operating temperature the ‘ready’ light on the front of the machine will illuminate. The motor can now be switched on allowing the coating roller to turn. When switching on the motor, always allow the roller to turn for 20 seconds to help it reach the correct operating temperature.

Adhesive Type

MXII Adhesive

Formulated for book covers and any application where a tight fold back and extra strong adhesion is required. This adhesive never dries out so can be used at any time after coating and sticks to almost any surface. Not suitable for products that require guillotining after gluing. The MXII adhesive runs better at a lower temperature and a usual setting for this is with the knob at the 11:00 o’clock position.

RP Adhesive

Formulated for any requirement where flat surfaces are to be glued together. Provides a stiffer bond on flexible products and allows some re-positioning, especially if left open for a short time. Will cure out over time and greatly reduces sticking to your guillotine blade.

This adhesive generally runs better at a higher temperature with the knob set around the 12:00 o’clock position.

Applying adhesive

The Maxit adhesive is very strong, so for most lightweight stocks or photographic papers you only need a very thin coating. For textured or thicker stocks, such as canvas, you would need a heavier coating.



Feed and catch leading edge



Guide longer prints towards front

1. Turn on the motor switch located at the front of the machine. Feed the print in with one hand and catch it as it comes out with the other hand. Do not let the print drop down as it exits. Turn off the motor after coating the print. **Note:** the motor should not be left running for more than 30 minutes at a time or it will overheat and cut out. The motor will only start to operate again when it has cooled down.

2. For longer prints, such as posters, take the leading edge as it exits and guide the print back towards the front of the Maxit. The small upper roller is also driven and will assist with guiding the poster back towards the operator.

Stock type

Ink Jet photo paper

Most photo paper has a resin coating on the back and should be run at a slightly lower temperature. If the temperature is too high the heat will affect the resin coating. This will cause the photo paper to stick to the roller and go under the stripper fingers. If you experience this adjust the temperature knob from the 12 o'clock position to the 11 o'clock position. You will then need to wait 25 minutes for the temperature to drop.

Lightweight paper

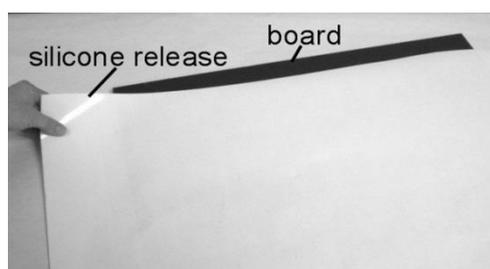
You should use a minimum stock of 120gsm and for these papers should apply a thin coating and set the temperature slightly higher. If the paper is too thin, it will receive cut marks from the stripper fingers at the rear of the coating roller or rotate around the roller and not release properly

Mounting

After coating your print, MX adhesive will not dry out, so you can mount your print at any time. However, with RP adhesive the substrate must be mounted within 2 minutes or adhesion may be affected. The adhesive will stick to most surfaces including plastic, metal and wood. After rolling down your print, you will immediately receive a permanent bond. Maximum adhesion will be achieved after 24 hours.



Roll down print to substrate



Place silicone release paper on board to mount larger prints.

For smaller prints, simply line up the print on your substrate, then roll it down to eliminate air, ensuring it makes proper contact with the substrate.

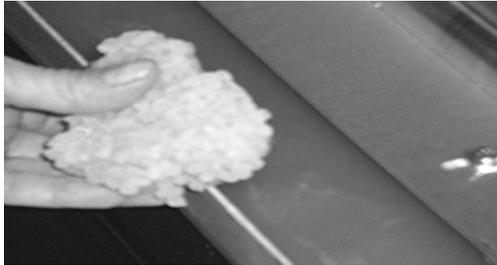
When lining up large prints place the board or other substrate on the table and place silicone release paper on top of the board leaving the top two inches uncovered. The silicone paper will keep the print from sticking while lining up the print. Then roll down the print to the first two inches and slide down the release paper as you roll down the rest of the print. Save the silicone release paper and use it as many times as needed.

To further improve bonding for RP adhesive, pass the glued sheets through a laminator, pressure roller system or hand roller to ensure a permanent bond is achieved.

Adding Adhesive

Maxit adhesive comes in pellets which normally stick together in the bag. Either cut the required amount with a knife or alternatively, refrigerate the product for approximately 2 hours. It is then easy to tear off the adhesive in the pieces you require.

When the adhesive level drops to the 'add level' add more adhesive. It is important to maintain the adhesive level at, or above, the 'full' level. If not, you will not achieve the correct coating and it will take longer to warm up in the morning.



Add adhesive



Bag dissolves too!

Pull down the front cover. Place approximately half of the adhesive pellets in the front of the tray. You do not need to wait for the pellets to melt before using the Maxit. The bag is made from a special material and is dissolvable in the hot adhesive.

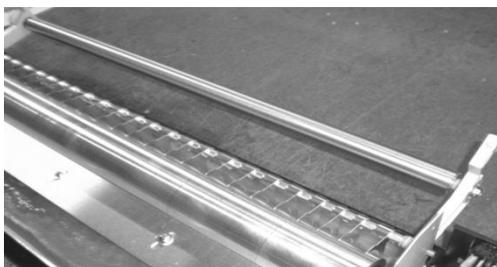
Cleaning



Remove side screws



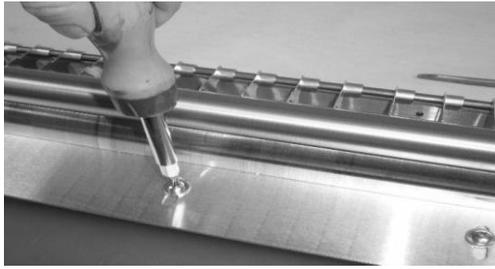
Slide out top half of covers



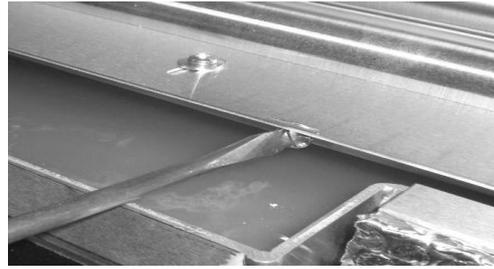
Swivel top roller back

WD-40, although a lubricant, is excellent for cleaning adhesive from the outside casing. If adhesive appears on the top roller, remove the screws from the sides of the Maxit, slide off the top halves of the covers and swivel back the top roller. Then use WD-40 to clean it.

Adjustments



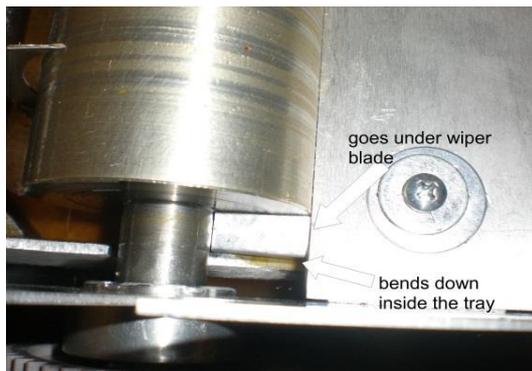
Loosen screws on top



Adjustment screws at the front

Coating thickness: The coating thickness can be changed by adjusting the wiper blade. Loosen the screws on top of the blade and then turn the two adjustment screws in front of the blade. Clockwise will reduce the coating and counter clockwise will increase the coating. These screws are a fine adjustment and need only small movements. ***Ensure you do not adjust the blade against the coating roller or damage may occur.***

When retightening the screws on top, ensure that the adhesive strippers (left and right) are pressed against the roller ends and shaft otherwise there is a risk of adhesive leaking into the machine. Left hand of the machine is shown in the picture below.



Temperature: There is a knob which adjusts the temperature of the adhesive and is located under the front cover. If the coating is too sticky, you can turn the temperature up slightly which will thin out the coating. If smoke starts appearing from the adhesive in the tray, then the temperature is too high and it should be turned down.

Patchy coverage

If not set correctly, the Maxit can produce adhesive coverage that is patchy and not 100%. If this happens, please check the following and make the necessary adjustments;

1. Ensure that the machine is used on a level surface and check this by placing a spirit level on the wiper blade. If need be, place shims under the feet at the bottom of the Maxit to level it out. Even if it is at the full level, add some more adhesive so it is about 1/8" above the full level.
2. Adjust the operating temperature:

MX Adhesive - If the knob is at the 12 o'clock position; turn it to 11 o'clock and if at the 1 o'clock position turn to 12 o'clock. Allow approximately 30 minutes for the machine to achieve the correct new temperature.

RP Adhesive - If the knob is at the 11 o'clock position; turn it to 12 o'clock and if at the 12 o'clock position turn to 1 o'clock. Allow approximately 30 minutes for the machine to achieve the correct new temperature.
3. Also it is important to keep the entire coating roller hot. Consequently, when you first start using it in the morning or if you have not used it for a while during the day, turn on the motor for 30 seconds before you use it to get the roller hotter.
4. If you are using it to coat multiple prints, then leave the motor running and you will find any stringiness should be reduced or eliminated. Also make sure you keep the adhesive level up to keep the roller hot. The adhesive should not come off on your fingers and will not at the correct temperature.

Trouble Shooting Guide

Start Up

Issue: *The ready light will not come on after 55 minutes, so the motor will not run even though the adhesive is melted.*

Cause: This is very rare, but can happen the first time you use Maxit due to a thermostat in the machine being impacted during shipping.

Solution: A slight adjustment is needed on the motor thermostat. Contact your local dealer and they will email you the instructions. Once you make the correct adjustment, you should not need to do it again.

Issue: *The adhesive is melting, but not getting hot enough.*

Cause: Not enough power coming into the Maxit due to too many items plugged into the same outlet or using a poor grade extension cord. Also, make sure the temperature knob has not been moved to the left, lower than the 11:00 position.

Solution: Remove other items from outlet. Also see if you can plug directly into outlet instead of using the extension cord. If you must use a cord, it needs to be heavy gauge.

Issue: *Smoke coming out of adhesive in tray or very strong odour.*

Cause: The Maxit is running too hot. It is not unusual for the Maxit to run hotter in your premises than in our quality control room due to voltage variations. Also, running the motor for long periods of time will heat up the adhesive significantly.

Solution: turn the temperature knob slightly to the left. If you are at the 1:00 position, turn it to 12:00. If at 12:00, turn to 11:00. The Maxit takes around 30 minutes to reset the overall temperature.

Coating problems

One of the major reasons for poor coating is the adhesive being too low in the tray. There are two steps in the front, left of the tray with the bottom step being the “add” level and the top the “full” level. You must keep the adhesive well above the add level and up to the “full” level as much as possible. This is the first thing you should check.

Issue: *The first ½ of the paper comes out with a good coating, but the last ½ is streaky.*

Cause: The adhesive level in the tray is too low. Also your coater may be on an unlevel surface so the back of the machine is higher than the front. The adhesive level in front looks full, but there is less adhesive in the back under the coating roller so it does not pick up enough adhesive.

Solution: Level the front of the coater by placing shims under the front feet

Issue: *Small misses in the adhesive coating on the back or some streaky areas in the coating.*

Cause: The Maxit is running too hot. When running too hot the adhesive is less tacky so the paper does not hug the roller well and does not pick up the proper amount of adhesive. Running too hot also thins out the adhesive on the coating roller.

Solution: Turn the temperature down slightly to the left. If the knob is at the 12:00 position, turn it to 11:00 and wait 30 minutes for the temperature to reset.

Issue: *Receive a thin straight line of missed adhesive in the direction in which you are coating the paper.*

Cause: There is dirt or debris lodged between the wiper blade and coating roller and is blocking the adhesive flow.

Solution: Loosen the screws on top of the wiper blade and use the two set screws in front of the blade to bring the blade back, away from the roller. Clean out any dirt in the blade area. If the blade is very dirty, you may want to remove it to clean it.

Issue: *The paper comes out of the machine with "score" lines on the image side.*

Cause: The paper is too thin, so it hugs the coating roller then goes over the stripper fingers which marks it with lines.

Solution: Use heavier gsm paper. The minimum recommended weight is 120gsm. With photo paper minimum is 9 mils. If the paper is borderline, then you may be able to eliminate the lines by increasing the temperature and thinning out the coating using the wiper blade.

Issue: *Coating is too thick or too thin*

Cause: Position of wiper blade

Solution: Reset the blade using the instructions on Page 7 of this operating guide.

Issue: *Getting drops of adhesive on the leading edge of the paper.*

Cause: Adhesive is building up on the leading edge of the stripper fingers after running the motor for a while.

Solution: Turn off the motor for a minute and the drops should melt away. Also space the fingers so there is the minimum amount needed under the paper. Reset the blade to produce a thinner coating.