

## 6. Troubleshooting Guide

| Problem   | Cause   | Solution  |
|---|---|---|
| Machine has no power or rollers are not moving. | Power cord is not properly plugged in   | Check the power plug is properly plugged in   |
|   | Main power switch is off  | Check the power switch is turned on or contact support                                |
| Excessive noise                                 | Operation of gears is not smooth.   | Turn off the machine, then contact support  |
| Poor lamination quality                         | Laminated document wrinkled, damp, or folded                                  | Adjust the temperature lower or higher (see Temperature/Speed Chart)                  |
| Temperature will not increase                   | Power cord is not properly plugged in   | Check the power plug is properly plugged in   |
|   | Power switch off  | Check the power switch is turned on or contact support                                |
| Edges are not sealed                            | Document is too thick to seal the edges of the film                           | Use a thinner document or leave more space around the edges, approximately .19" (5mm) |
| Unable to feed                                  | Something may be stuck between the heated rollers or they are out of position | Follow the shut-down procedure, and contact support.                                  |



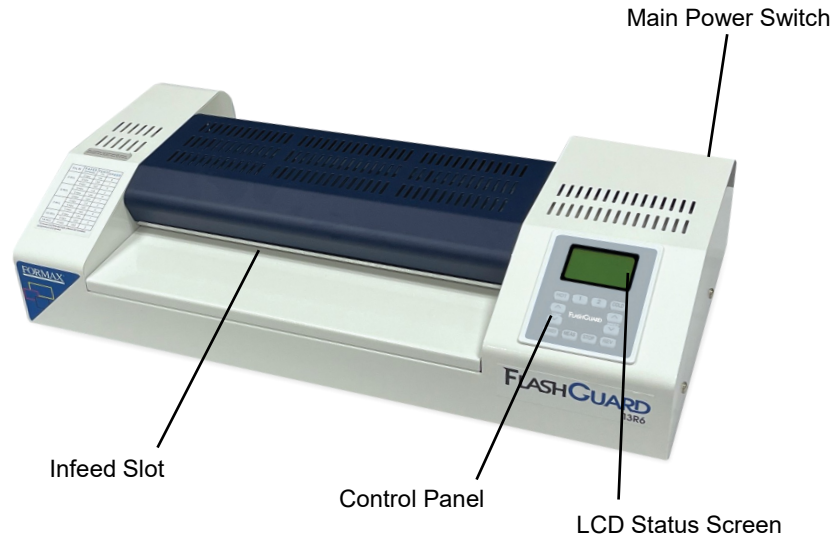
## FlashGuard 13R6 / 18R6 Heavy Duty Professional Laminators

## 7. Technical Support

If you have any problems that cannot be solved on-site, please contact your Formax reseller, or contact the Formax Service Team directly at 800-232-5535.

# FLASHGUARD

The 13R6 and 18R6 Heavy Duty Professional Laminators are designed to laminate photos, documents, certificates, signs, diplomas, menus, awards, artwork, ID cards and more. It can be used in either hot or cold mode.



## 5. Temperature/Speed Chart

To avoid machine damage, please set a suitable temperature and speed based on the paper weight and film thickness.

| Film Thickness | Paper 20#<br>(80gsm) | Temp C° | Speed |
|----------------|----------------------|---------|-------|
| 3 mil          | 80 gsm               | 100     | 7     |
|                | 120 gsm              | 100     | 6     |
|                | 200 gsm              | 100     | 5     |
| 5 mil          | 80 gsm               | 120     | 5     |
|                | 120 gsm              | 120     | 4     |
|                | 200 gsm              | 130     | 4     |
| 10 mil         | 80 gsm               | 120     | 4     |
|                | 120 gsm              | 140     | 2     |
|                | 200 gsm              | 140     | 2     |

## 1. Specifications - 13R6

|                             |   |
|-----------------------------|---|
| Max. Laminating Width       | Up to 13" (330mm)   |
| Max. Laminating Speed       | Up to 55 inches/minute (1,400mm/minute)                     |
| Max. Pouch Thickness        | Up to 14 mil (350 mic)                                      |
| Max. Laminating Thickness   | Up to .118" (3mm)   |
| Number of Rollers           | 6   |
| Operating Temp.             | Up to 160 degrees C   |
| Temperature & Speed Control | Yes   |
| Preheating Time             | 6 minutes   |
| Power Consumption / Rating  | 1,500 watt 110-120V, 50/60Hz, 15A                           |
| Dimensions & Weight         | 21" L x 10.6" D x 5" H (536 x 271 x 112mm)<br>34 lbs (15kg) |

## 8. Shutting down after laminating

Press the **POWER** button for 1 second.

### **Warning**

**DO NOT** turn off the Main Power Switch as soon as laminating is complete.

**To prevent overheating and possible roller damage, press power button for 1 second.**

**After the rollers cool down, there will be 5 beeps, then the laminator will shut down automatically.**

## **COLD LAMINATION**

If the piece to be laminated is delicate and may be damaged by heat, use the COLD lamination function.

**NOTE: For cold laminating (pressure only), you must use ONLY cold laminating pouches.**

1. Press COLD button
2. When the LCD screen reads READY and beeps once, the laminator is ready.
3. Insert piece into cold laminating pouch and feed into the front opening with the sealed pouch edge first.

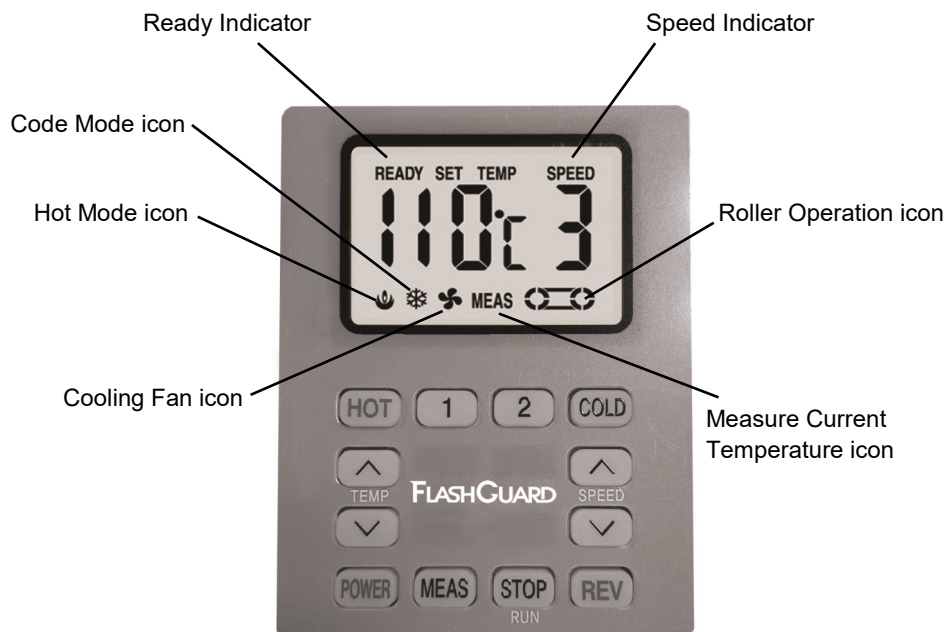
## 1. Specifications - 18R6

|                             |   |
|-----------------------------|---|
| Max. Laminating Width       | Up to 19" (490mm)   |
| Max. Laminating Speed       | Up to 47 inches/minute (1,200mm/minute)                     |
| Max. Pouch Thickness        | Up to 14 mil (350 mic)                                      |
| Max. Laminating Thickness   | Up to .118" (3mm)   |
| Number of Rollers           | 6   |
| Operating Temp.             | Up to 140 degrees C   |
| Temperature & Speed Control | Yes   |
| Preheating Time             | 6 minutes   |
| Power Consumption / Rating  | 1,500 watt 110-120V, 50/60Hz, 15A                           |
| Dimensions & Weight         | 27" L x 10.7" D x 5" H (690 x 271 x 112mm)<br>43 lbs (20kg) |

## 2. Safety Precautions

1. Do not allow neckties, scarves, etc. near the infeed or output areas of the laminator as they could get caught by rollers and be pulled inside, causing personal injury.
2. To prevent the possibility of electrical shock, do not immerse machine in water or permit liquid to spill inside.
3. Close supervision is necessary when the laminator is used near children.
4. Do not open the covers. There are no user-serviceable parts inside.
5. Be sure the laminator is located close to the power source, and ensure it is the correct voltage (see specifications chart).
6. The laminator must be connected to a supply voltage corresponding to the listed electrical rating.
7. Unplug the laminator before moving it, or when it is not in use for an extended period of time.
8. Do not operate with a damaged power cord or plug, after any malfunction, or after if it has been damaged in any way.
9. Do not overload electrical outlets beyond their capacity as this can result in fire or electrical shock.
10. Do not alter the power cord plug. It is configured for the appropriate electrical supply.
11. The unit is intended for indoor use only.

### 3. Control Panel and LCD Screen

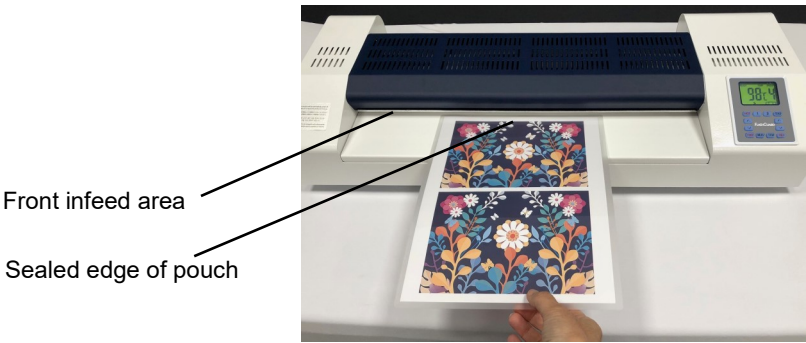


|          |  |
|----------|--|
| POWER    | For On and Off, press power button for 1 second. |
| HOT      | Press to Start Hot Lamination                    |
| COLD     | Press to Start Cold Lamination                   |
| TEMP ▲▼  | Modify Temperature ( 0~140°C)                    |
| SPEED ▲▼ | Steps 1 - 9                                      |
| 1, 2     | Memory function setting                          |
| MEAS     | Press to display current roller temperature      |
| RUN/STOP | Run and Stop roller operation                    |
| REV      | Press to reverse the rollers and remove piece    |

### 4. Operation



1. Connect the power cord to the back side of the laminator, and plug into an appropriate outlet.
2. Flip the Master Power Switch on the back side of the laminator to the ON position.
3. If it is not the first use, press the POWER button for 1 second.
4. Press the HOT button for hot laminating.
5. The initial temperature setting is 110 °C , speed level 3. (See temperature/ speed chart on following pages).
6. Once the laminator has reached the set temperature, the control panel will display “READY” and will beep 3 times.
7. The laminator is now ready for use.
8. Insert the piece to be laminated into the pouch. Insert into the infeed with the sealed edge of the pouch entering first. See below.



If adhesion of lamination is not satisfactory, increase the temperature.

**To change the temperature:** Press the Up-Down button of TEMP.

**To change the speed:** Press the Up-Down button of SPEED.

**To reverse the laminator rollers:** Press and hold the REV button and the piece and pouch will come back out the infeed.