

2070/2130 POUCH LAM

4.0 OPERATING INSTRUCTIONS

4.1 SET UP

1. Connect power cord to an appropriate power source.
2. Push the red power switch located at the rear of the machine to the 'on' position.

4.2 OPERATION ... HOT LAMINATION

After the laminator has been powered using the switch at the rear of the machine, the cold mode is automatically set. The words 'Cold' and 'Ready', temperature setting '0' and speed setting '0' should be displayed on the LCD.

1. Select 'CARRIER' on the function keys. *The LCD will indicate Temperature '130 C' (266 F) and Speed '0'. 'READY' will not be indicated. When the temperatures of the rollers reach '90C' (194 F) or above, the rollers will begin to rotate at speed '3'. When the temperatures of the rollers reach '130C' (266F), READY will appear on the LCD.*

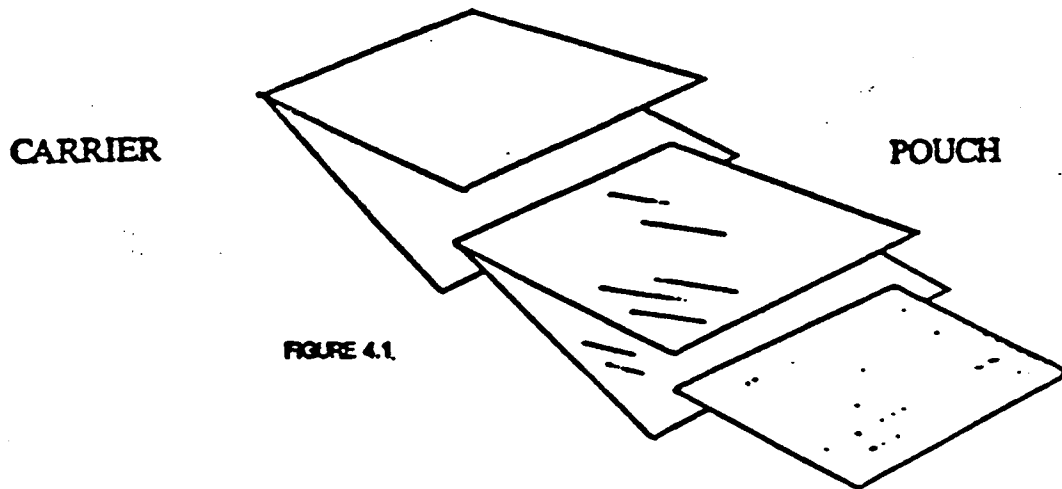
2. Use the Laminating Guide included with every machine to select the appropriate temperature and speed for the materials to be laminated. (See figure below)

ENHANCEMENT SUPPLY	FILM GAUGE	STOCK	SETTING WITH CARRIER			SETTING WITHOUT CARRIER		
			TEMP.	SPEED	PRESET	TEMP.	SPEED	PRESET
Pro Film	1.5 mil (37.5 mic)	20# bond (75 gsm)	266° F (130° C)	6	Carrier			
	3.0 mil (75 mic)	20# bond (75 gsm)	266° F (130° C)	5	Carrier			
Premium Film	3.0 mil (75 mic)	20# bond (75 gsm)	266° F (130° C)	5	Carrier	230° F (110° C)	6	Direct
	5.0 mil (125 mic)	20# bond (75 gsm)	266° F (130° C)	3	Carrier	230° F (110° C)	5	Direct
	7.0 mil (175 mic)	20# bond (75 gsm)	266° F (130° C)	2	Carrier	230° F (110° C)	3	Direct
	10.0 mil (250 mic)	20# bond (75 gsm)	266° F (130° C)	1	Carrier	230° F (110° C)	1	Direct
Standard Film	3.0 mil (75 mic)	20# bond (75 gsm)	266° F (130° C)	5	Carrier			
	5.0 mil (125 mic)	20# bond (75 gsm)	266° F (130° C)	3	Carrier			
	7.0 mil (175 mic)	20# bond (75 gsm)	266° F (130° C)	2	Carrier			
	10.0 mil (250 mic)	20# bond (75 gsm)	266° F (130° C)	1	Carrier			
Soft Touch Pouch		20# bond (75 gsm)				230° F (110° C)	3	Direct
GBC No Heat Laminate		20# bond (75 gsm)				32° F (0° C)	2	Cold
Creative Foil		GBC Imprintable Cover (80# or 200 gsm)	310° F (155° C)	1	N/A			

3. Center the item to be laminated into a GBC laminating pouch so that the borders are even on all sides.

4.0 OPERATING INSTRUCTIONS (continued)

4. Insert the pouch with the item, sealed edge first, into the CARRIER that is included with each carton of GBC pouches. Position the sealed edge of the pouch against the inside folded edge of the carrier. (See figure 4.1)



5. Insert the carrier and its contents straight into the machine, leading with the folded edge. Handle carriers carefully so that they can be reused. (Winkles, creases or other imperfections in the Carrier will transfer to the laminated item.)

6. The laminated items will exit the rear of the pouch laminator. After the carrier has stopped moving, place it on a flat surface to cool briefly before removing the finished pouch.

7. If the laminated product looks hazy (due to low temp.), decrease motor speed by one step. If the laminated product looks wavy (excessive heat), increase the motor speed by one step. A temperature adjustment will achieve the same results. When the temperature setting is modified, allow enough time for the laminator to reach the new set temperature. The current temperature of the laminator will be displayed on the LCD when the 'MEAS.' key is pressed. Press the 'MEAS' and 'STOP' keys simultaneously to toggle between Fahrenheit and Celsius

8. Select 'PRE/H' to maintain a temperature of 80 C (176 F) and motor speed '0'. This is a standby mode.

9. Cooling down the laminator before turning off the power switch will extend the life of the heat rollers. When finished laminating, the 'COLD' key should be pressed. Temperature '0 C' (32 F) and motor speed '2' will be displayed on the LCD. When the temperature reaches 85 C (186 F), the rollers will stop automatically.

10. Turn off the power switch.

11. Unplug the power cord if the laminator will not be used for a long period of time.

4.0 OPERATING INSTRUCTIONS (continued)

4.3 OPERATION . . . COLD LAMINATION USING GBC NO HEAT FILM(™)

After the laminator has been turned on using the power switch located on the back of the machine, the 'COLD' mode is automatically set. The words 'COLD' and 'Ready', temperature setting '0' and speed setting '0' should be displayed on the LCD. *If the machine has recently been used for hot lamination, it must be allowed to cool to a temperature of no more than 30 C (86.0 F) before starting Cold Lamination.*

- 1.** Select a GBC No-Heat Laminate that is slightly larger than the document to be laminated.
- 2.** Run the film, film-side faced up, for about 3-6 mm (1/8"-1/4") into the laminator. Then press 'STOP' to stop the rollers.
- 3.** Carefully separate the backing paper from the film and drape the clear film over the top of the laminator.
- 4.** Place the item to be laminated between the separated film and backing paper and press motor speed '3'. *When feeding the film into the laminator, hold the end of the film tightly to prevent wrinkling.*
- 5.** After lamination, the adhesive border can be trimmed off for a flush cut appearance. Using the adhesive border, the item can be stuck to glass or walls without using glue or tape.

4.4 OPERATION . . . GBC CREATIVE FOILS(™)

- 1.** Adjust temperature to 155 C (302 F) using the arrow keys on the control panel, speed setting '1' and wait for 'Ready' indicator.
- 2.** Place GBC Creative Foil 'color side out' over output from a toner-based laser printer or photocopier. When printing various colors on the same original piece, arrange the different colors and secure with the stickers included with the Creative Foils.
- 3.** Insert the item and foil into a carrier and feed into the laminator.
- 4.** When the item exits the rear of the laminator, remove from the carrier, allow item to cool and remove the excess foil.

4.5 OPERATION . . . GBC SOFT TOUCH POUCHES (™)

- 1.** Select 127 C (260 F) and speed 4, and wait for the ready indicator. If the machine has been used for Hot Lamination, check the current temperature by pressing the 'MEAS.' key. If the temperature is above 110 C (230 F), wait for the temperature to decrease.

4.0 OPERATING INSTRUCTIONS (continued)

2. Start laminating

3. When pouch exits the rear of the laminator, carefully rub a finger across a front corner to remove the protective carrier film.

4.6 CONTROL PANEL

The following information is displayed on the control panel LCD:

READY

Indicates that the laminator is at or above the requested laminating temperature.

TEMPERATURE

The numbers displayed directly below the word TEMPERATURE reflects the users requested temperature setting. Press the 'MEAS. and 'STOP'keys simultaneously to toggle between Celsius and Farenhiet.

SPEED

The numbers displayed directly below the word SPEED reflect the speed of the pull and nip rollers.

PRE/H

Indicates that the Pre - Heat or Stand-By function is selected.

CARRIER Indicates that lamination using a carrier is selected.

HOT

Indicates that lamination using carrierless film is selected

COLD

Indicates lamination without heat is selected.

MEAS.

A two second display that indicates the current temperature of the heat rollers.

4.7 SELECTING FUNCTION

Press function key to select functions as follows:

CARRIER

Sets the temperature of the laminator to 130 C (266 F), Speed '3', the default setting for the lamination of 80 micron (3 mil) pouches and heavy paper USING A CARRIER.

4.0 OPERATING INSTRUCTIONS (continued)

DIRECT

Sets the temperature of the laminator to 110 C (230 F), speed '5', the default setting for the lamination of GBC Commercial pouches USING A CARRIER. Also the default setting for 80 micron (3mil) pouches and literature paper using special *carrierless* film 'DIRECT' or WITHOUT A CARRIER. NOTE; GBC recommends using a carrier with *all films* for better quality lamination and protection of the rollers.

PRE/H

Sets the temperature of the laminator to 80 C (176 F), speed '0', this is the 'stand by mode'. If the temperature of the rollers is above 90 C (194 F), speed '2' is automatically set to protect the rollers from damage. When the temperature drops to 85 C (185 F) speed '0' is set and the rollers stop.

MEAS

Measures the current temperature of the heat rollers.

COLD

This is the default setting when the machine is turned on. The temperature setting is '0', and the speed is '0'. If the 'COLD' key is selected when the roller temperature is above 90 C (194F), speed '2' is automatically set to protect the rollers.



These keys are used to increase or decrease operating temperature. The temperature can be adjusted up to 160 C (320F) at which point a warning beep is heard

1 2 3 4 5 6

Keys numbered '1' through '6' are used to adjust roller speed. Key '1' is the slowest, Key '6' is the fastest.

STOP

Stops the rotation of the rollers. To protect the rollers, the machine should not be stopped for long periods of time when the temperature exceeds 90 C (194 F).

REV

Reverses the rotation of the rollers to correct misfeeds.