A. Purpose
To coat the patterned glass with polyimide for rubbing.

B. Equipment set-up
The machine used is a Cee Model 100 spinner.

C. Process
Warning: Safety goggles must be worn during operation of the spinner system to prevent risk of injury.

1. Press the "PROG" key to enter program mode
2. To edit program number 2; press "2" and then "ENTER"
3. To change the spin speed press "2500" and "ENTER"
4. To change the acceleration, press "13900" and "ENTER"
5. To change the spin duration, press "30" and "ENTER"
6. Then press "CLEAR" to end the program.
7. Place the ITO glass on the vacuum chuck. Make sure that the center of the plate is coincided with the vacuum chuck center.
8. Apply polyimide (PI).
   Apply a puddle of 3-4 ml of polyimide(PI) to the center of the glass plate.
   Close the exhaust lid.
9. Press the "RUN" key
10. To enter a user program, press "2", the "ENTER"
11. Press "START", and the spinning process will be run.

You may press the emergency stop button if anything goes wrong and it is necessary to stop the process immediately.

12. Release glass plate.
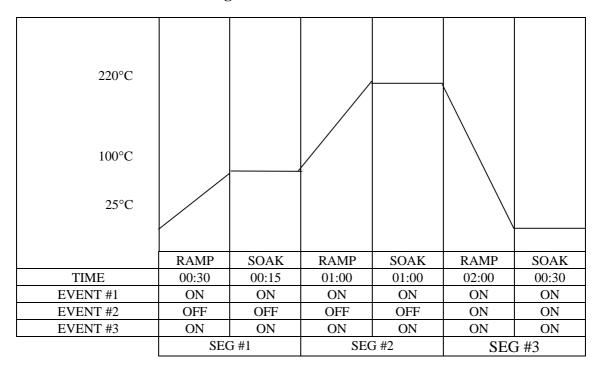After the spinning has stopped, unload the glass plate.

D. Inspection
Check that the glass is uniformly coated with polyimide. The color of the plate surface should be uniform.

E. Machine shut down
Clean up the machine, and turn off the power.

Procedure for PI Hard Baking:

	RAMP	SOAK	RAMP	SOAK	RAMP	SOAK
TIME	00:30	00:15	01:00	01:00	02:00	00:30
EVENT #1	ON	ON	ON	ON	ON	ON
EVENT #2	OFF	OFF	OFF	OFF	ON	ON
EVENT #3	ON	ON	ON	ON	ON	ON
	SEG #1		SEG #2		SEG #3	

Program 1 for PI Hard Baking

1. Put the PI coated glass in a stainless box.
2. Place them into the clean-room hard bake oven.
3. Load the program number 1 to operate.
4. After the baking finished, power off the oven.

(1) Procedure to run a program:

1. Power on the hard bake oven.
2. Press ⮑ until the display shows P1.
3. Press ↓ or the RUN key to run the program.

Note: Press ↓ and ⮑ to show the sequence of the program.

(2) Procedure to stop a program:

1. Press the HOLD key.
2. Press ⮑ until the display shows OFF.
3. Press ↓ to turn off.