Chemat Technology Inc.



SpinMaster100

R/D ROOM 08/23/201

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Installation and prior starting

1, Connect the power and suction tube on the left side rear the machine

2, Turn on the main power switch

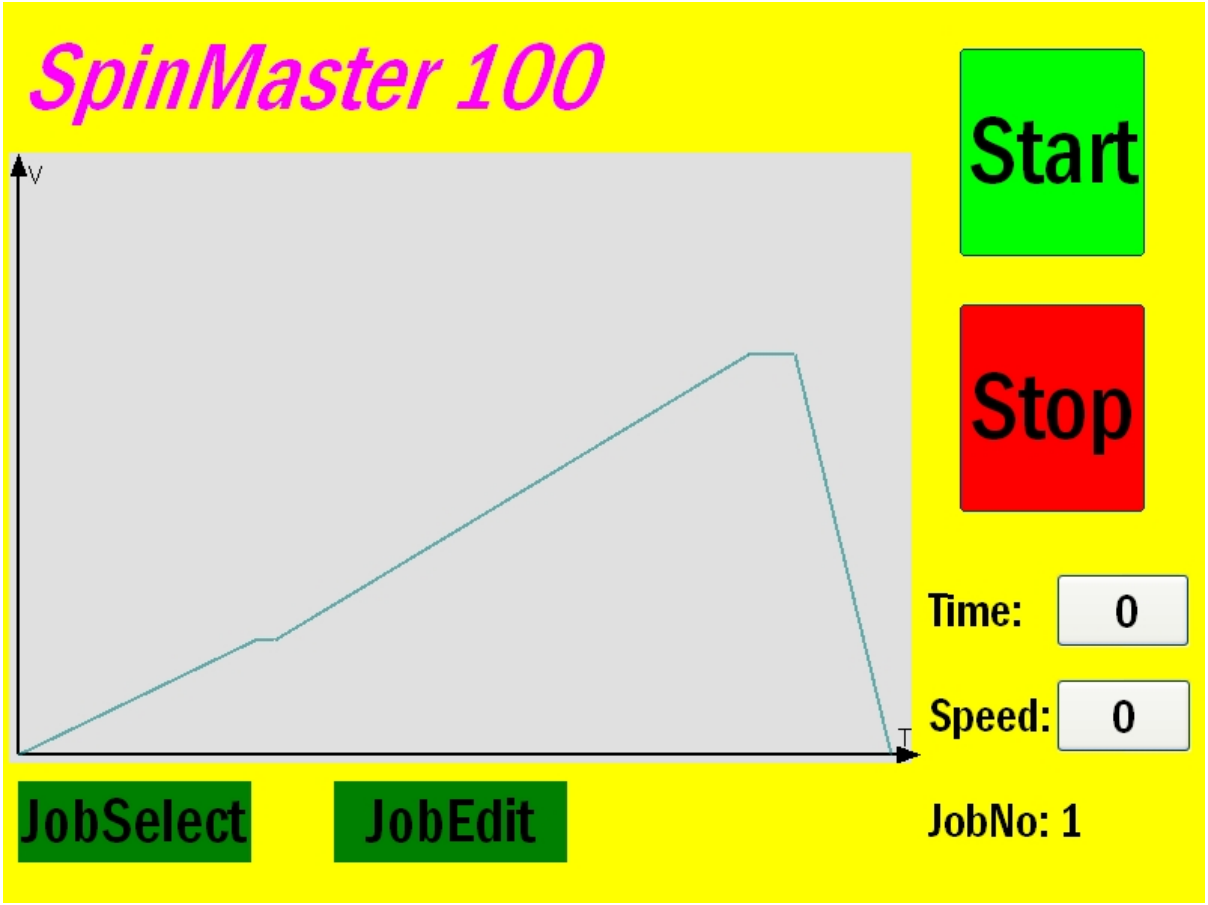
3, Press the start button, the system runs automatically



Running interface

Click "Return" button to enter the main interface.

In the coordinate, the vertical axis parameters for the speed “V” (rpm/min), the horizontal axis parameters for the time “T” (second). Curve is showing currently running job and its number is showing on the bottom of the right side.



Start: Run the current job

Stop: Stop running the job

JobSelect: Enter to select the setting job

JobEdit: Enter to edit the operating parameters of the current job

（JobSelect）

Job selection interface (JobSelect)

Click “JobSelect” button to enter job selection interface (below):

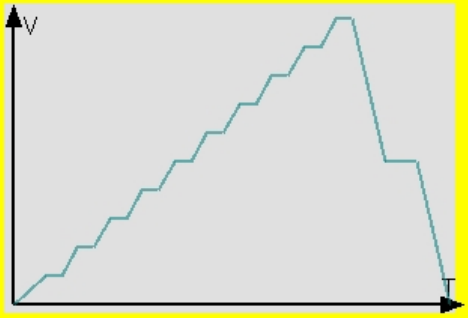
On the left side display the job number, the number of steps and the final edit date. You can use the button "PgUp" and "PgDn" to browse and select the job, on the upper right corner will show the trajectory of the job, easy to remember and retrieval.

Click "Edit" button to enter job editing interface, edit the currently selected job (it may be empty “BLANK”)

Click "Return" button to complete the job selection, with the currently selected task back to the main screen

* For ease of retrieval, machine default maximum number of job is 48. If the customer needs to expand, please call customer service

Job Select



0	3Steps	2011/07/04
1	3Steps	2011/08/23
2	9Steps	2011/07/04
3	5Steps	2011/08/23
4	3Steps	2011/06/12
5	12Steps	2011/07/04
6	2Steps	2011/07/11
7	Blank	

PgUp | Edit

PgDn | Return

Job Edit

File:SpinJob5.txt

12 Steps

TotalTime: 135s

Maxspeed: 5000rpm

Date: 2011/07/04

StepNo	Acc(s)	Speed(rpm)	Still(s)
0	10	500	5
1	5	1000	5
2	5	1500	5
3	5	2000	5
4	5	2500	5
5	5	3000	5
6	5	3500	5

PgUp | PgDn

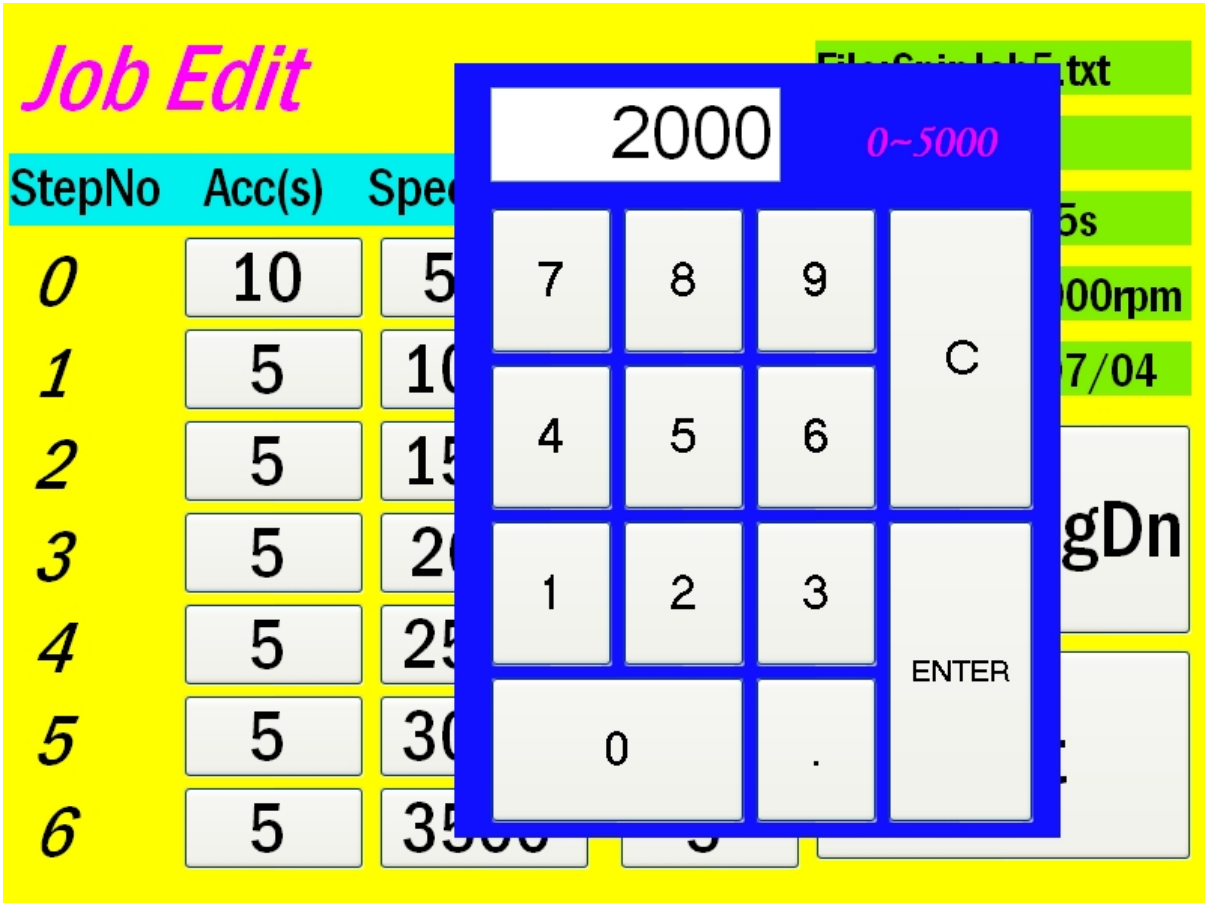
Quit

（JobEdit）

Job editing interface (JobEdit)
From the main screen, click “JobEdit” button, or the “Edit” button in the job selection interface. The system enters the job editing interface (shown above). The job setting use the "step" to describe this concept, the system take “Acc” (second) acceleration (or deceleration) to the setting speed “Speed” (rpm) and keep the same speed in “Still” (second). Each job setting consists of several "step" component, the “Step No” is the number of it.

On the screen upper right side from top is showing: the current job archive file name; total number of steps; running time; maximum speed; edit date.

You can use the buttons "PgUp" and "PgDn" browse "step" list, click on any item you want to edit the parameters, the system will pop up keyboard input

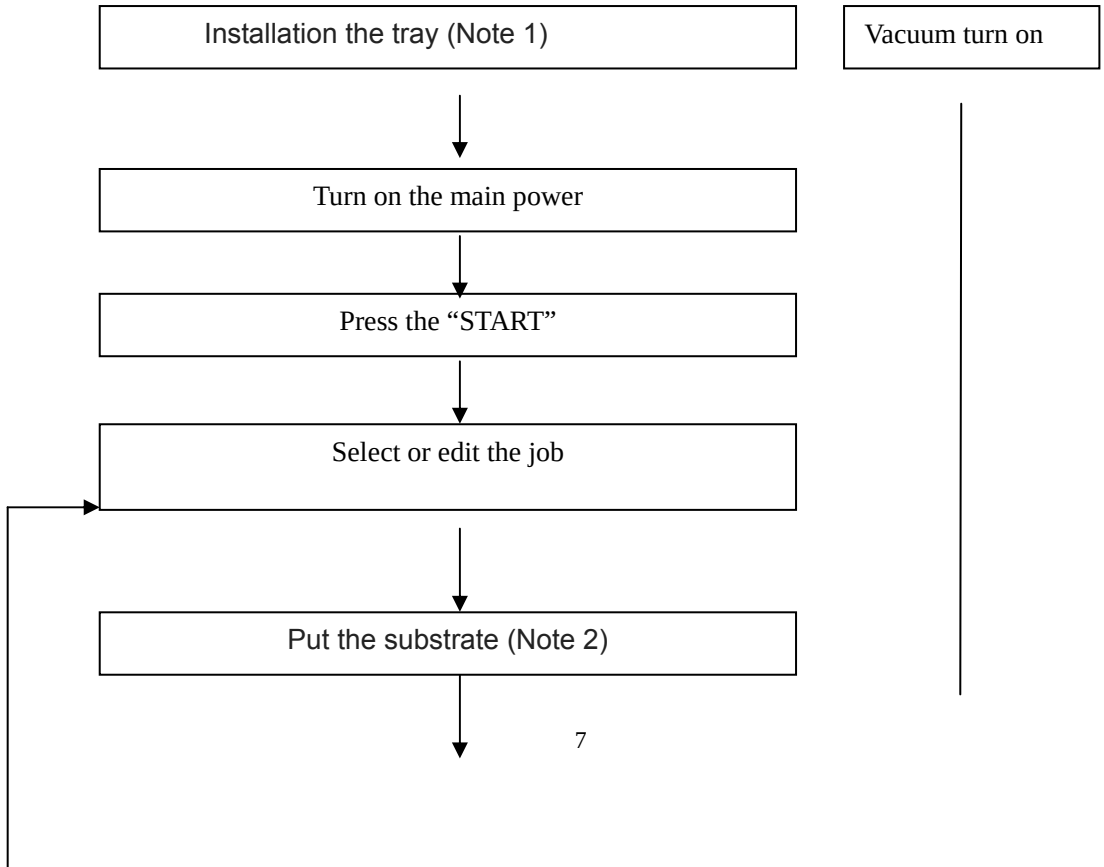


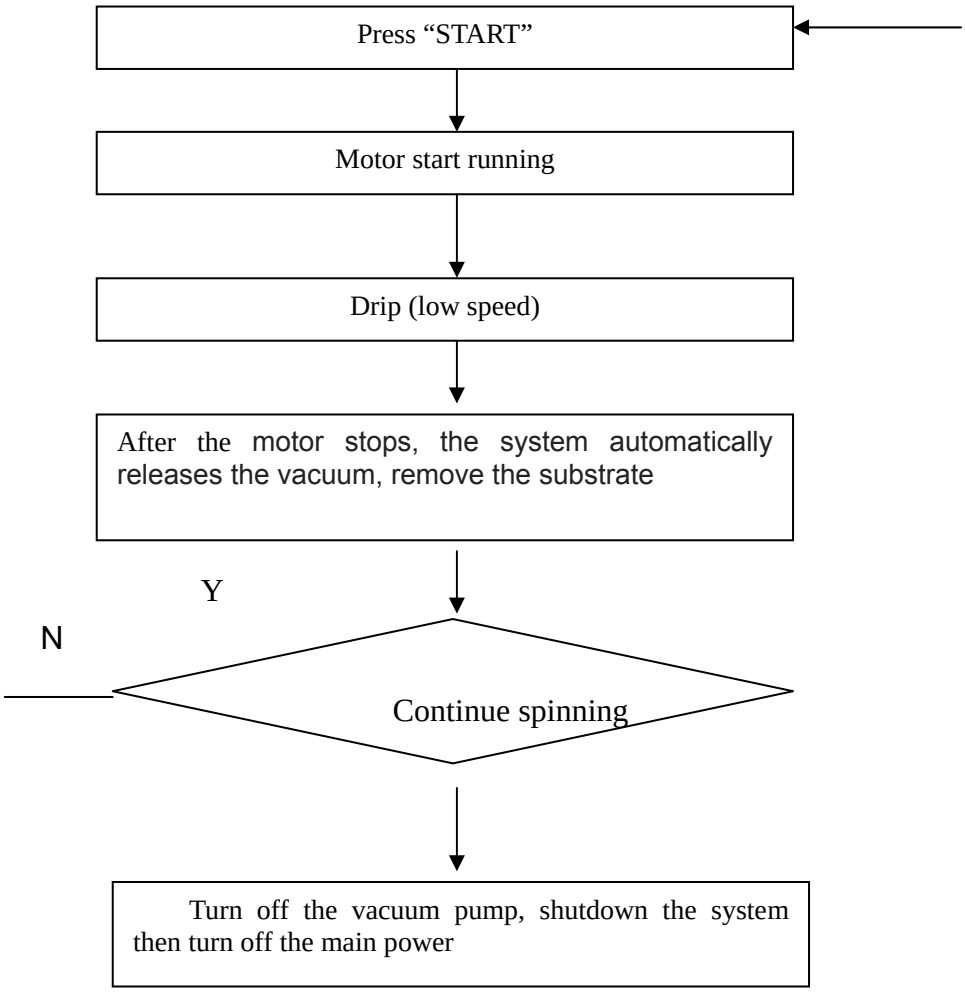
On the upper right corner of the keyboard "0-5000" is the numerical range of the edit parameter, out of range is invalid.

For ease to use, retrieval and editing, machine default maximum "step" is 40. If the customer needs to expand, please call customer service.

Five steps: (operation flow)

Procedure





Notes:

Note 1: choice tray less than the substrate size, align the notches to set screws, make sure touch the bottom

Note 2: If the substrate is not in the center or drop off when the motor spin, you should immediately press the “Stop” button to stop the motor, and then move the substrate to the right position

Troubleshooting

The following non-native fault failure, the user can refer themselves to solve, if the problem still persists, please call customer service.

故障现象 Symptom	原因 Cause	排除 exclusion
电机不转，Motor does not turn	1．电源线没插好 Power not plugged in	插好电源线 power plug in
	2．保险管熔断 Fuse blown	换用同规格保险管 fuse switch to the same specifications Φ 5×20—5A
托片没吸住 Care not to suck a piece	1．吸气管未插 Suction tube is not inserted	插好吸气管 suction tube inserted
	2．真空泵没开 vacuum pump did not open	打开真空泵 Open the vacuum pump

Precautions

1. Please use specified power;
2. To prevent power line pressure by the foot of machine;
3. Shutdown control system then turn off the main power;
4 .Tray must be less than the substrate;
5. Spin coater need cleaning after using
6. Once the machine malfunctions or anomalies occur, cut off the power immediately. .If you cannot solve it (five reference solutions), please call our customer service.
7. Not vacuum suction and motor interlock system in the machine, If vacuum tube blockage or damage, when the motor spin the substrate will drop off. it should be recognized the vacuum suction system is work well before running the job.

Technical indicators

Speed range:	0-5000 rpm
Maximum acceleration:	± 30000rpm / s
Spin coating time:	0-999 seconds
Speed stability of:	± 1 rpm
Supply voltage:	220v / 50Hz or 110v / 60Hz
Motor power:	200W
Substrate size:	Φ12-Φ200mm
Net weight:	19 Kg
Size:	330 mm x 480 mm x 360 mm

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