



Chemmat Technology Inc.

Spin Coater SpinMaster 100

The First Time Experience to Make Thin Films and Coatings

Features

- PC-controlled and Windows-based operation interface
- Easily connected to a printer or other exterior devices via USB port
- 7" touch screen display, full-color alphanumeric-capable graphical user interface(GUI)
- Visualized real time speed graphic display
- A virtually unlimited number of user-defined recipe programs
- Stainless steel coating bowl (optional polyethylene coating bowl)
- Optional auto-dispensing and nitrogen purge
- Rigid mechanical design protects the coating solutions from contact of drive system
- Leading resolution and repeatability standard of this industry
- Free technical support for the life of product via phone, e-mail, and fax

Descriptions

The SpinMaster 100 is a programmable spin coater with built-in computer control. It enables the R&D and universities' laboratories to effectively and accurately develop and refine the coating applications.

Accurate and stable speed control is obtained through the adoption of proven precision motion system and the rigid mechanical

design. It delivers quite easy-to-use operation through a 7 inch touch screen.

It can perform step by step programming for precise deposition of metal oxide, polymer and organic thin films and coatings.

The 1RMP resolution and repeatability is the leading standard of this industry.

Technical Parameters

- **Size:** 19 inch X 14 inch X 11 inch
- **Machine Weight:** 19.0Kg
- **Power:** 110/220 VAC, 50/60 Hz, 1 Amp
- **Vacuum:** more than 2.1 CFM
- 40 process recipe programs on board
- **Spin speed:** 0 to 5,000 RPM
- **Spin resolution:** 1RPM
- **Spin repeatability :** 1RPM
- 1s resolution for step time(Max. step time 999s)
- **Spin speed acceleration:**0 to 30,000 RPM/s unloaded
- **Substrate sizes:** 10 mm to 200 mm round



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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

Main Menu of Job Edit

Job Edit File: SpinJob5.txt

2000 0-5000

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

7 8 9
4 5 6
1 2 3
0 . ENTER

Parameter editing

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

Graphic Preview of Job 1

SpinMaster 100

Start
Stop

Time: 15.3
Speed: 2500

JobSelect JobEdit JobNo: 0

Real-time graphic display of spin speed

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

Graphic Preview of Job 5

SpinMaster 100

Start
Stop

Time: 0.6
Speed: 1894

JobSelect JobEdit JobNo: 5

Real-time graphic display of spin speed

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