



Quality Test Plan

Equipment name : Spin coater

Mode/ Serial no : HO – TH-01

Sl No	Specific Test Conducted	Test Method	Spec./Accepted values	No. of times repeated
1.	Basic Inspection	Model No., Painting , Finishing , stability and other visual parameters		
2.	Vacuum checking	Place the substrate and run at maximum RPM		
3.	Vibration and noise checking	Run at high rpm and observe noise /vibration		
4.	RPM testing using Tachometer		1 % error maximum for all rpm	1
		60 rpm		
		200 rpm		
		1000 rpm		
		2000 rpm		
		3000 rpm		
		4000 rpm		
		5000 rpm		
		7000 rpm		
		9000 rpm		
		10000 rpm		
5.	Acceleration testing By using a Tachometer		1 % error maximum for all rpm	1
		10 rpm / sec -10 sec – 100 rpm		
		50 rpm/sec-10 sec- 500 rpm		
		100 rpm/sec-10 sec- 1000 rpm		
		250 rpm/sec-10 sec- 2500 rpm		
		500 rpm/sec-10 sec- 5000 rpm		



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		2000 rpm/sec-5 sec- 10000 rpm		
6.	Keyboard/ Touch screen checking	Enter all the alpha numeric values and check its functioning		
7.	Test multi-step sample program	Verify the speed, acceleration and duration at each step.		
8.	Duration test	Run a sample program with below durations between the steps	5/100/1000 Sec	1
		5 sec		
		100 sec		
		1000 sec		
9.	Lid switch testing	Machine stops working if we open lid while running (Also run a program by opening the lid)		3
10.	UV led testing	By running a sample program check the UV led lighting		
11.	Accessories checking	AC cord, vacuum pump, Drain hose ,touch pen , user manual, software CD etc		