

Software Control Programmable Dip Coating System Suitable for Vertical and Horizontal Coating of Plate and Tube

1. Technical Specifications

- 1) PC Controlled Connectivity & PC Connectivity: USB 2.0
- 2) Programmable Dipping & Lifting Speed Range: 0.15-600 mm/min.
- 3) Variable Dipping & Lifting Length up to 150 mm
- 4) Variable Film Length up to 100 mm
- 5) Programmable Drying & Wetting Time: Unlimited
- 6) Unlimited Programs
- 7) Unlimited Deposition Cycles
- 8) Non-volatile Program Memory
- 9) Integrated Power On / Off Switch with Indicator
- 10) Substrate Mount / Unmount Option
- 11) Blank Distance Adjustment Option
- 12) Universal Power Supply [100-270 V AC (50-60 Hz.)]

1.1 Substrate Holder for Horizontal Dip Coating

- 1) Rotation speed (variable): 15 RPM
- 2) Horizontal Substrate Size (variable) : 100mm to 200mm (Length) & Outer Dia (variable) 20mm (Max)

1.2 In-situ Programmable Temperature Controller for Dip Coating

- 1) Programmable Temperature Range: Ambient to 160°C
- 2) Accuracy: $< \pm 2^\circ$ Error across the Full Range
- 3) Continuous Controlling of Set Temperature
- 4) Real-time Temperature Monitoring
- 5) Integrated Power On/Off Switch with Indicator
- 6) Power: Indian Standard
- 7) Wattage: 250 W (Maximum)

1.3 Environmental Dust Hood

- 1) Fully Transparent
- 2) Three Sided Transparent Glass
- 3) Front Sided Openable Glass Door
- 4) Chamber Illumination Provision
- 5) Chamber Exhaust Provision
- 6) Dipping, Lifting & Compression Speed Resolution: 0.01 mm/min
- 7) Power: Universal Input

Warranty: The warranty shall be for a period of NOT LESS THAN 02 (two) YEAR from the date of satisfactory installation and commissioning of the item at the premises of the Purchaser

Note: Complete with all necessary accessories e.g. Power cables, safety devices and original operational and maintenance manual with complete set of drawings, Tool Kit, input/output fuses, if any etc. The bid should be accompanied by a typical photograph of the equipment along with catalogue, a list of clients to whom the equipment has been supplied during the last five years.

2. Ultra Violet Curer System

Technical Specifications	
No. of UV lamps	2
UV Wavelength	254 nm
UV lamp Wattage	8 W
UV Output	2.2 W
Irradiance	24 $\mu\text{W}/\text{cm}^2$
Average lamp Life	7500 Hrs
Working Chamber	10" (L) X 10" (W)
PTFE Coated turn-table Diameter	8 "
R.P.M. of Turn-table	5
Power	Indian Standard
Wattage	60 W (Maximum)
UV Protective Goggles	
Spill-proof safety pad	

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Note: Complete with all necessary accessories e.g. Power cables, safety devices and original operational and maintenance manual with complete set of drawings, Tool Kit, input/output fuses, if any etc. The bid should be accompanied by a typical photograph of the equipment along with catalogue, a list of clients to whom the equipment has been supplied during the last five years.

3. Digital Magnetic Stirrer with Ceramic Hot-plate

Technical Specifications	
Volume	5 litre [Maximum]
Stirring Speed	100-2,000 R.P.M
Speed display resolution	1RPM
Heating Plate Area	190 mm (L) X 190 mm (W)
Heating Plate Temperature Range	Up to 380°C, $\pm 1^{\circ}\text{C}$
Dimension:	300 mm (L) X 210 mm (W) X 126 mm (H)
Power Supply:	As per Indian Standard
Power:	600 W [Maximum]
Adjustable Thermometer Rack and Stainless Steel Rods for Height Adjustment should be provided.	
PTFE coated Stirring Bars should be provided	
Stepless Adjustable Heating Power & Stirring Speed is required	
K-type Sensor for measuring & controlling the Plate Temperature is required	
PT100 Temperature Sensor for measuring & controlling the Liquid Temperature is required	
Fabrication processed Exterior to prevent Leaking	
Die-casting & Stretching Shell with Cover	
Real-time Display of both Plate & Liquid Temperature and R.P.M	
Large screen LCD display with Backlight	
Simultaneous Heating & Stirring	
Enclosed Ceramic Heating Plate with Characteristics of Flame/chemical Protection, Fast warm-up & Durability	

Warranty: The warranty shall be for a period of NOT LESS THAN 02 (two) YEAR from the date of satisfactory installation and commissioning of the item at the premises of the Purchaser

Note: Complete with all necessary accessories e.g. Power cables, safety devices and original operational and maintenance manual with complete set of drawings, Tool Kit, input/output fuses, if any etc. The bid should be accompanied by a typical photograph of the equipment along with catalogue, a list of clients to whom the equipment has been supplied during the last five years.