

# NXTdip-150M9



MULTI VESSEL DIP COATING SYSTEM

## NXTdip-150M9

NXTdip-150M9 uses sol-gel method by dipping a substrate into a well of the coating material under controlled parameters to create a thin film of the coating material on the substrate. The sophisticated mechanism and precise controlling by the onboard microcontroller ensures accurate results everytime.

### Multi-vessel Dip Coating System - NXTdip-150M9

Dip coating is the process of immersing a substrate into a tank containing coating material, removing the piece from the tank, and allowing it to drain. The coated piece can then be dried by force-drying or baking. It is a popular way of creating thin film coated materials along with the spin coating procedure.

Apex proudly launches another state of the art equipment to our Multi Vessel DIP COATING as well as SILAR COATING line-up. Namely the NXTdip-150M9. This low cost instrument has the minimalistic form factor designed to be light weight, versatile and user-friendly. The NXTdip-150M9 is Segmented Dual MCU based system and ready to meet the Dip coating needs of the scientific community.

#### Applications

- Layer by Layer Assemblies
- Self-Assembled Monolayer
- Successive Ion Layer Adsorption and Reaction (SILAR) Coating
- Sol-Gel Coatings
- Glass Stainers for Biomedical Application



## Product Specifications - NXTdip-150M9



- Segmented Dual MCU based
- Dedicated Motor MCU
- No. of Vessel Positions: 9
- XYZ Axis Gantry System
- Dipping & Lifting Speed: 0.15-600 mm/min
- Dipping & Lifting Length: 150 mm
- Max. Film Length: 100 mm
- Unlimited Deposition Cycles
- Unlimited Drying & Wetting Time
- Non-volatile Program Memory
- Input & Controlling through User-friendly PC GUI Interface
- Integrated Power On/Off Switch with Indicator
- Substrate Mount/Unmount Option
- Blank Distance Adjustment Option
- Self-performance Test Option
- Real-time Display of Control Processes on PC GUI Interface
  - Display Parameters
    - Beaker No
    - Dipping Time
    - Lifting Time
    - Blank Distance
    - Wetting Time
    - Drying Time
    - Program No.
    - Sequence No.
    - Cycle No.
- Infrared Substrate Drying (optional with NXTdip-IRM add-on)
- Dust-hood for whole system (optional with 150M9-DH add-on)
- Power: Indian Standard
- Wattage: 120 W (Maximum)

## Add-on Modules

- **NXTdip-IRM** - Infrared Substrate heating module, for drying the substrate at temperatures higher than ambient (upto 120 degrees Celsius)
- **150S-DH** - High durability Dust-hood designed specifically for NXTdip-150M9 to fit the whole system in a covered chamber including add-on modules.

