ND Multi Axis Dip Coaters

ND-2D 11/5 & ND-3D 11/6

The ND Multi Axis Dip Coater is a controlled system developed for the deposition of multiple layers on different surfaces.

ND-2D & 3D Multi Axis Dip coater system

The Nadetech ND-2D & 3D Multi Axis Dip Coater is an optimal equipment for the deposition of layers on different surfaces through different deposition techniques such as Layer-by-Layer assemblies, Sol-gel coatings, or Self-assembled monolayers. The ND-2D and the ND-3D Coaters enjoy a 2-axis and 3-axis programmable system respectively. One axis is for vertical displacement and the others for movement in the horizontal plane. This configuration offers a high versatility for multistep deposition which requires the consecutive immersion in vessels with different solutions in a higher space.

The range of immersion and dipping-out speed is very broad, from a minimum speed of 1 millimeter per minute to a maximum of 500 mm per minute. The vertical axis has a maximum displacement of 200mm and the horizontal axis may work in an area of 500x200 mm. Depending on the volume and size of the vessels or trays arranged for the deposition cycles, multi-step immersions in different solutions can be programmed in a single work cycle.

It is controlled by a user-friendly software based on Windows®, which allows programming different sequences adjusting the dipping parameters of each individual immersion step (immersion speed, withdrawal speed, vertical displacement, substrate initial position, immersion time, drying time as well as the sequence parameters such as the number and position of the immersions steps in a deposition cycle, number of cycles to be repeated and many others. All these developed sequences can be stored in the PC for its subsequent recovery and use.

- 2 or 3 axis movement
- Deposition of multiple layers
- Configurable dipping sequence
- Intuitive software
- USB communication

Technical specifications

	ND-2D 11/4	ND-3D 11/5
Vertical displacement	200 mm	200 mm
Horizontal displacement	500 mm	500x250 mm
Minimum Dipping Speed	1 mm/min	1 mm/min
Maximum Dipping Speed	500 mm/min	500 mm/min
Maximum weight sample	2000 gr	2000 gr

* Nadetech Innovations offers the possibility to its clients to modify the dimensions and characteristics

System requirements

Operative system
Windows Server 2003; Windows Server 2008; Windows XP; Windows Vista; Windows 7
Processor
Pentium 400 MHz or equivalent (Minimum) | Processor Pentium 1 GHz or equivalent
RAM
96 MB (Minimum) | 256 MB (Recommended)
Hard Disk
The Installation requires 500 MB of free disk space
Monitor
800x600, 256 colors (Minimum) | 1024x768 high color, 32-bit (Recommended)

ND Multi Axis Coater   Accessories

The ND-2D & ND-3D Dip Coaters are complemented by a comprehensive range of accessories, all of which are designed to help you get the most from your dip coater. This data sheet explains in more detail the makeup of key accessories and offers technical specifications where required.

ND Enviromental Sensors

Temperature and humidity sensors which compile the environment conditions and register them in the software for its display at real time or as historical data.

ND Dissolution Sensors

Temperature and/or pH sensors which compile instant data during the deposition process for its display not only at real time but also as historical data.

ND Magnetic Stirrer

Magnetic stirrer directly connected to the equipment which allows adjusting, the rate and stop at any time during the deposition, through the software.

ND-2D & 3D Customized Holder

If the substrate does not have a flat shape, Nadetech offers the possibility to request a customised holder for holding the substrate.

Contact information

Nadetech Innovations S.L.

Garajonay 19, Bajo

31621 Sarriguren, Spain

Tel: 948065567

info@nadetech.com

www.nadetech.com