

# ND-DC Dip Coaters

## ND-DC 11/1

The ND-DC dip coater is a controlled system developed for the fabrication of thin films by wet deposition



## ND-DC Dip coater system

The versatility and simplicity of the ND-DC dip coater make this equipment an optimal system for the manufacturing of different types of homogeneous films: sol-gel, polymeric layers, multilayer structures, biofilms, deposition of antibodies, enzymes, etc. Its broad range of applications includes the fabrication of solar cells, electronic components, sensors, anti-reflection layers, smart coatings, protective layers or biocide layers, among others.

The immersion and withdrawal speed rates range from a minimum of 10 microns per minute to a maximum speed of 150 millimeters per minute with a precision of 0.1 microns. This broad range of programmable dipping rates combined with such high precision enables the fabrication of very thin films by wet deposition, sol-gel processing, self-assembled monolayers or layer-by-layer self-assembly.

The ND-DC system is controlled by a user-friendly software based on Windows®, which allows programming different sequences adjusting the dipping parameters such as immersion speed, withdrawal speed, vertical displacement, substrate initial position, immersion time, or the drying time. All these developed sequences can be stored in the PC for its subsequent recovery and use.

**High movement precision**

**Configurable dipping sequence**

**Intuitive software**

**USB communication**



### Technical specifications

ND-DC 11/1 75



ND-DC 11/1 150



ND-DC 11/300



	75	150	300
Displacement	75	150	300
Minimum Dipping Speed	0.01 mm/min	0.01 mm/min	0.01 mm/min
Maximum Dipping Speed	150 mm/min	150 mm/min	150 mm/min
Maximum weight sample	1000 gr	1000 gr	1000 gr

## 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-DC Dip Coater Accessory List

The ND-DC 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-DC Cabin**
- **ND-DC Temperature Control Chamber**
- **ND-DC Enviromental Sensors**
- **ND-DC Dissolution Sensors**
- **ND-DC Magnetic Stirrer**
- **ND-DC Multisample Holder**

## Contact information

Nadetech Innovations S.L.

Tel: +34 948065567

[info@nadetech.com](mailto:info@nadetech.com)

[www.nadetech.com](http://www.nadetech.com)