

# ND-SP Precision Spray Coaters

## ND-SP 11/4

The Nadetech Precision Spray Coater ND-SP is a system developed for the fabrication and deposition of thin films via spray



## ND-SP Precision Spray Coater system

ND-SP has been designed with the objective to perform Spray Coating techniques, such as Layer-by-Layer, which require small drop sizes. Thanks to its precision spray nozzles, the system is capable to develop drops with a diameter of 10 micrometers as well as spray high viscosity liquids.

The dissolution is supplied through a syringe pump which offers high precision, versatility, inter-change and an easily to use system. In this sense, it is possible to carry out depositions with a wide range of flows.

The systems could be configured with as many nozzles as the client desires.

The ND-SP equipment can be manufactured for either vertical or horizontal depositions. The software, which is based on Windows®, is of easy management and allows programming any type of spray sequence depending on the size of the samples as well as the number of deposition samples.

The dissolution is supplied through a syringe pump which offers high precision, versatility, inter-change and an easily to use system.

**Three axes movement**

**Configurable sequences**

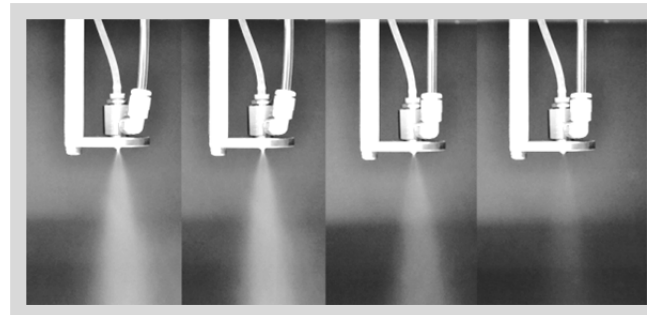
**Low flow rate capabilities**

**Fine droplet**

**Applicable for high viscosity liquids**



### Technical specifications



	ND-SP 11/4 Vertical	ND-SP 11/4 Horizontal
Maximum Sample Size		250 x 250 mm
Nozzle displacement		60 mm
Minimum Speed		20 mm/min
Maximum Speed		2000 mm/min
Flow Rate		60 – 1500 ml/h
Dimensions (HxWxD)		900x900x650 mm

Nadetech Innovations offers the possibility to its clients to modify the dimensions and characteristics of the ND-SP Precision Spray Coater in order to have equipment which satisfies their necessities.

## 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-SP Spray Coater Accessories

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

- **ND-SP Hot Plate**
- **ND-SP Multisample Holder**
- **ND-SP Sample Dryer: blowing hot air**
- **ND Laser Pointer**
- **ND Disposals: Tubing, Syringes...**
- **ND Air Compressor**
- **ND Control PC**

## Contact information

Nadetech Innovations S.L.

Tel: +34 948065567

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

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