

ND-SP Precision Spray Coaters

ND-SP 11/4

The Nadotech 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 and without volume limitation.

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

The ND-SP equipment could be configured for both vertical and 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.

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

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	
	Low flow rate	High flow rate	Low flow rate	High flow rate
Maximum Sample Size	350 x 250 mm		350x250 mm	
Nozzle displacement	55 mm		55 mm	
Minimum Speed	20 mm/min		20 mm/min	
Maximum Speed	1500 mm/min		1500 mm/min	
Minimum Flow Rate	8 ml/h	60 ml/h	8 ml/h	60 ml/h
Maximum Flow Rate	500 ml/h	1200 ml/h	500 ml/h	1200 ml/h

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

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