


ND-SP Mini Ultrasonic

Ultrasonic spray coating



Nadotech ND-SP Mini Ultrasonic Spray Coater is a completely automatized equipment for thin film deposition via ultrasonic spray coating, where uniformity and very small droplet sizes are required. Its design and programmable software allows to control and automatize every deposition parameter with high accuracy and reproducibility. ND-SP Mini Ultrasonic Spray Coater can be used to obtain nanometric coatings of one or multiple layers.

<p>High precision control</p>	<p>Ultrasonic spray coating</p>	<p>Windows® user friendly software</p>	 <p>1 year Warranty</p>
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Technical specifications

Maximum sample size
Nozzle distance
Minimum speed
Maximum speed
Flow rate
Dimensions (L-W-H)

ND-SP Mini Ultrasonic Spray Coater

100 x 100 mm
5 – 70 mm
10 mm/min
500 mm/min
Depends on application
454x600x650



Thanks to the ultrasonic spray coating nozzle, Nadotech ND-SP Mini Ultrasonic Spray Coater is able to produce droplets with an average diameter of 15 micrometers and a very uniform drop size distribution. Its compact and robust design makes ND-SP Mini Ultrasonic Spray Coater the best equipment for lab scale requirements and R&D applications. Multiple configurations can be programmed to achieve particular needs, depending on its applications in electronics, health, energy, advanced materials and other smart coatings. Ultrasonic spray technique reduces the quantity of coating material needed up to 80%.

The user friendly Windows® based software permits to control all the spray coating process parameters with high accuracy. The user has a full automatized control of the spraying frequency, flow rate, nozzle speed and distance, sample positions, temperature and air pressure. Nadotech®'s software also stores all these parameters for further usage, which guarantees a high reproducibility of the coatings.

Software requirements

Operative system

Windows XP; Windows Vista; Windows 7; Windows 8; Windows 10

Processor

Pentium 400 MHz or equivalent (Minimum) | 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)



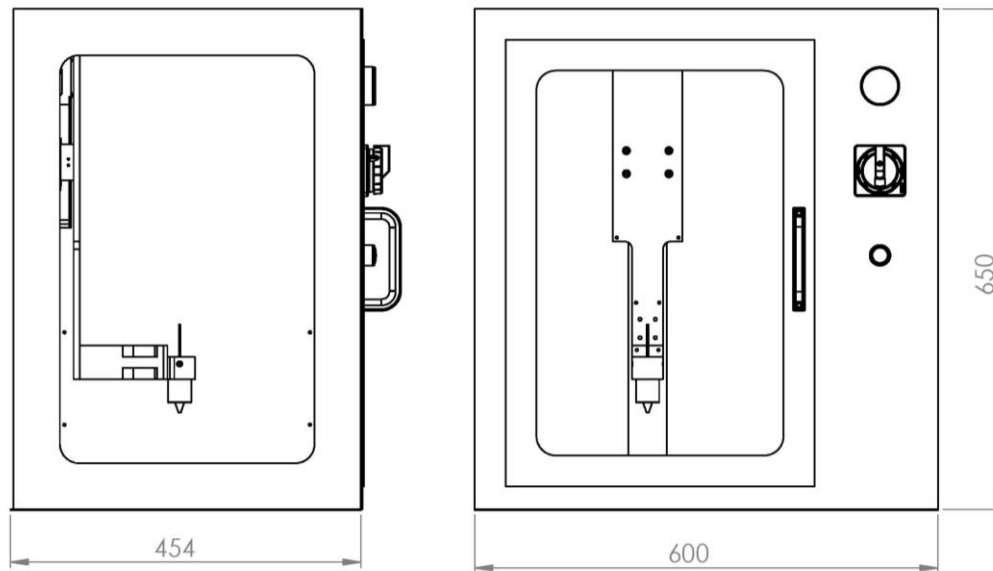
<https://youtu.be/u90ul12x6ls>



info@nadotech.com

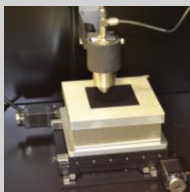
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Dimensions



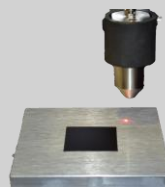
Accessories

ND-SP Hotplate



Hotplate max. temperature
100°C and 200°C

ND-SP Laser Pointer



Laser spray cone focus

ND-SP Air Compressor



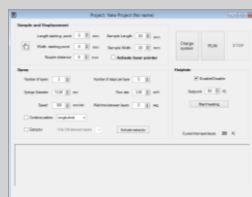
Air pressure for the ultrasonic nozzle

ND-SP Touchscreen



7" Touchscreen
Intuitive software

ND Control PC



Computer with control software

ND Supplies



Tubing
Syringes...