





9001 QUALITY ASSURANCE









The NE100 Electrospinning Unit, a model in between basic and advanced Electrospinning systems, all process parameters can be adjusted from its programmable easy-to-use touch screen panel. It also has a special designed isolated chassis and an exhaust system that enables working with evaporative solvents.

Thanks to the advanced safety features, the door safety system and the isolated chassis, scientists can carry out their experiments in safe conditions, without worrying about any risk of users' health endangerment.

NE100

Description	Advanced Level Single Nozzle Electrospinning Unit
Spinning-Type	Bottom-Up Spinning

CONSTRUCTION

Feeding Area Material PE 1000 (High Density, Chemical resistant) Collector Material 7000 Series Aluminum Alloy, Stainless Steel LED Illumination
LED Illumination
Exhaust Fan

Total Weight	Approx. 130 kas

Dimensions	W: 770 mm L: 675 mm H: 1040 mm
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HIGH VOLTAGE POWER SUPPLY

Atmosphere Control (Optional)

Voltage Range	0- 40 kV
Voltage Precision	0,1 kV
Max. Current	0.125 mA

HIGH PRECISION MICRO PUMP

Flow Rate	Flow Rate: 0.01 - 4464 ml/h (BD 60 ml syringe)
Flow Rate Precision	0.01 ml/h
Available Syringes	All types are available



FEEDING AREA

Number of Nozzles	1
Feeding Pipe Material	Aluminium
Nozzle Material	Electrically Conductive Stainless Steel
Nozzle Inner Diameter	0.8 mm
Compatible with Standard Syringe Nozzles	
Minimum Required Solution for Single Nozzle Feeding	2 ml

SPINNING DISTANCE

Distance Between Nozzle and Collector	13 mm-213 mm
Distance Adjustment Precision	1 mm

STATIONARY PLATE COLLECTOR

Material	Stainless Steel
Distance Adjustment Precision	370mm x 130mm

UNIQUE USER INTERFACE

9" Touch screen control panel with well designed user friendly interface

Fully able to control all parameters

Saving & recalling all parameters via recipe & recall function

SAFETY FUNCTION

Safe Door	
Emergency Button & Safety Relay	
HV Warning Light	
Electrical Isolated & Grounded Cabinet	
Over Current Protection	
Fully Sealed Cabinet	