

FLAT COLLECTOR



SINGLE NOZZLE

ISO
9001
QUALITY
ASSURANCECE
CERTIFIED

SCALE UP



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

Chasis	Electrostatically Painted Steel
Feeding Area Material	PE 1000 (High Density, Chemical resistant)
Collector Material	7000 Series Aluminum Alloy, Stainless Steel
LED Illumination	
Exhaust Fan	
Atmosphere Control (Optional)	
Total Weight	Approx. 130 kgs
Dimensions	W: 770 mm L: 675 mm H: 1040 mm

HIGH VOLTAGE POWER SUPPLY

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

HIGH PRECISION MICRO PUMP

Flow Rate	0.35 - 7123 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