



It is possible to apply high voltage with precision as well as adjust the flow rate and the distance between the needle and collector.
The spinning area is not enclosed in a cabinet, but the small size of the system allows it to fit inside a fume hood.

NS 1

Description	Entry Level Single Nozzle Electrospinning Unit
Spinning-Type	Side By Side Spinning

CONSTRUCTION

Chasis	No Closed Chassis For Spinning Area
Feeding Area Material	PE 1000 (High Density, Chemical resistant)
Collector Material	7000 Series Aluminum Alloy, Stainless Steel
LED Illumination	
Total Weight	Approx. 40 kgs
Dimensions	760 × 645 × 440 mm

HIGH VOLTAGE POWER SUPPLY

Voltage Range	0- 30 kV
Voltage Precision	0,1 kV
Max. Current	0.170 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
Nozzle Material	Electrically Conductive Stainless Steel
Nozzle Inner Diameter	1 mm
Compatible with Standard Syringe Nozzles	
Minimum Required Solution for Single Nozzle Feeding	2 ml

SPINNING DISTANCE

Distance Between Nozzle and Collector	30 mm-320 mm
Distance Adjustment	Manual Control

STATIONARY PLATE COLLECTOR

Material	Stainless Steel
Dimensions of Stationary Plate	300 mm x 238,5 mm

UNIQUE USER INTERFACE

4,3” Touch screen control panel with well designed user friendly interface
Fully able to control all parameters

SAFETY FUNCTION

Emergency Button & Safety Relay
Over Current Protection