

FLAT COLLECTOR



SINGLE NOZZLE



The NS Starter Kit electrospinning system is designed for low-cost, small-scale nanofiber research, producing results from a single-nozzle configuration in a compact unit. Spinning distance, flow rate and applied voltage are easily adjustable in side-by-side spinning system.

- High precision 0-30 kV high voltage power supply
- 4.3" Resistive Touch TFT LCD screen
- Microcontroller software
- User friendly interface
- High precise pumping
- Adjustable flow rate even during process
- Automatic current display
- Flat Collector

# STARTER KIT

<b>Description</b>	Entry Level Single Nozzle Electrospinning Unit
<b>Spinning-Type</b>	Side By Side Spinning

## CONSTRUCTION

<b>Chasis</b>	No Closed Chassis For Spinning Area
<b>Collector Material</b>	7000 Series Aluminum Alloy, Stainless Steel
<b>Total Weight</b>	Approx. 2,9 kgs
<b>Dimensions</b>	W: 220 mm L: 170 mm H: 137mm

## HIGH VOLTAGE POWER SUPPLY

<b>Voltage Range</b>	0- 30 kV
<b>Voltage Precision</b>	0,1 kV
<b>Max. Current</b>	0.170 mA

## HIGH PRECISION MICRO PUMP

<b>Syringe Type</b>	Glass, plastic
<b>Min Flow Rate</b>	1.17 $\mu$ l/min (Hamilton 0.5 $\mu$ l)
<b>Max Flow Rate</b>	75.945 ml/min (140 ml Monoject Syringe)
<b>Linear Force</b>	30 kg

## FEEDING AREA

Number of Nozzles	1
Nozzle Material	Electrically Conductive Stainless Steel
Nozzle Inner Diameter	0.8 mm
Compatible with Standard Syringe Nozzles	
Directly Feed Into Nozzle	

## SPINNING DISTANCE

Distance Between Nozzle and Collector	0 mm- $\infty$
Distance Adjustment	Manual Control

## STATIONARY PLATE COLLECTOR

Material	
Dimensions of Stationary Plate	
Collector Type	Flat as standart drum collector also optional also available.

## UNIQUE USER INTERFACE

4,3" Touch screen control panel with well designed user friendly interface

Fully able to control all parameters

## ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	Between -10 and 50 C°
Storage Temperature	Between -30 and 85 C°
Operating Humidity	RH 10% - RH 90% (not condensed)
Storage Humidity	RH 10% - RH 90% (not condensed)

