

STARTER KIT

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

CONSTRUCTION

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

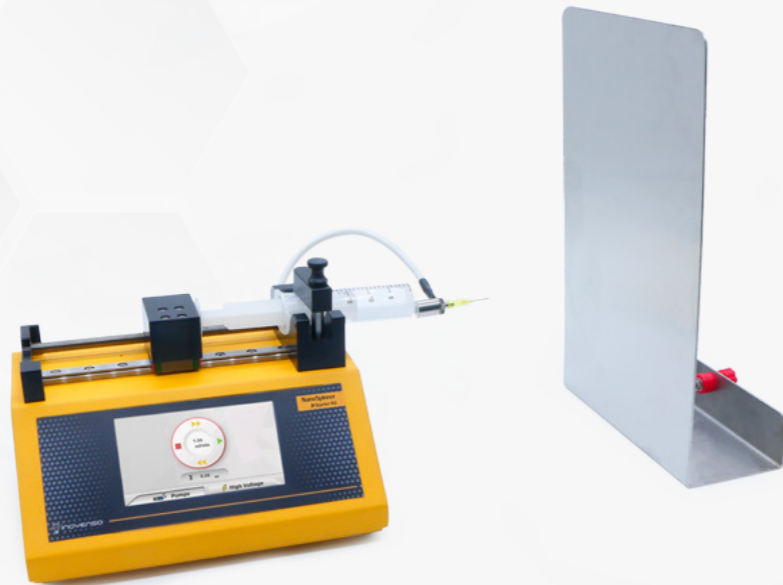
HIGH VOLTAGE POWER SUPPLY

Voltage Range	0- 30 kV
Voltage Precision	0,1 kV
Max. Current	0.170 mA

HIGH PRECISION MICRO PUMP

Syringe Type	Glass, plastic
Min Flow Rate	1.17 μ l/min (Hamilton 0.5 μ l)
Max Flow Rate	75.945 ml/min (140 ml Monoject Syringe)
Linear Force	30 kg


 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

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-∞
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)