



**Lab scale
electrospinning
machine (LS-300)**

Advanced level Bottom-Up Spinning,
multinozzle lab scale electrospinning system

TECHNICAL SPECIFICATIONS:

Construction:

- Electrostatically painted steel body
- High density chemically resistant material for feeding area
- Aluminum Drum Collector
- Stainless Steel Flat Collector
- **Weight:** Approx. 90kg
- **Dimensions:** W: 705 mm L: 605 mm H: 965 mm

High voltage power supply:

- **Voltage range:** 40Kv
- **Voltage precision:** 0.1 Kv
- **Max. current:** 0, 125mA
- Over Current Protection
- Real Voltage Monitoring

Feeding area:

- **Number of feeding rod sets:** up to 2
- **Number of nozzles on each feeding rod:** up to 8
- Single nozzle set provided

High precision micro pump (Two):

- **Flow Rate:** 0.006 ml/h (BD1ml syringe) – 4400 ml/h (BO 60 ml syringe)
- Flow rate precision: 0.01 ml/h

Collecting area:

- **Drum Collector D:** 140 L: 300mm
- **Drum Rotating Speed:** 100–2500 RPM
- **Flat Collector:** 150*350mm
- **Homogeneity stroke:** 5–50mm
- **Homogeneity speed:** 2–30 mm/sec

Spinning distance:

- 50–250 mm adjustable
- **Precision:** 1 mm

Atmosphere Control System:

- Up to 40 Degree Adjustable Heater Controller
- Up to 30% Relative Humidity Controller
- Exhaust system
- Sealed Cabinet

User Interface:

- 9" Touch screen control panel
- Well-designed user- friendly interface
- Saving & recalling recipe

Safety function:

- Emergency Button & Safety Relay
- Electrical Isolated & Grounded Cabinet
- Safe Door
- Spark detection

Safety function:

- Rotating Rod Collector
- Co-axial Nozzle
- Vacuum Holding Collector
- Negative Voltage Collector

