

Super ES-2A



Spinning arrangement

- Horizontal and Vertical Spinning
- Co-Spinning
- Wet-Electrospinning
- Equipped with Digital temperature control, Digital humidity control, High Speed exhaust and Capillary type multi-jet nozzle

High Voltage power supply:

- Input voltage: 230-240 VAC +/- 50 Hz
- Output voltage: 0 to 50 KV \pm 0.05%
- Output current: 0 to 400 μ A
- Voltage Adjustment: 0.1 KV resolution
- Featured with Microprocessor based controller system, auto cut high voltage protection when door is opened and Dual Digital Display Power Meter (DDPM) for current and voltage monitoring

Dual Nozzle



Rotating Drum



Camera Interface



Touch Screen



Core-Shell



Atmospheric Control



Syringe pump

- Dual Syringe attachment with independent control
- Acceptable syringe volume: 5 μ l-20ml
- Flow rate: 1 μ l/min to 3 ml/min (\pm 0.05%) (resolution 0.1)
- Featured with Microprocessor based operation for precise Volume, Time and flow control

Collectors

- Stationary collector/Plate Collector* Length = 220mm X Width=150mm
- Drum collector*D=85 mm, L=165 mm; adjustable speed of rotating drum (100 to 5000 RPM),programmable drum oscillation stage movement for uniform coating
- Disc Collector* D=85 mm, L=10 mm
- Rod collector* D=85 mm, L=165 mm, Window=10 no's
- Rotating wire wound collector
- Parallel Plate Collector
- Custom Collector for Hip Implant ,bone, nail, joint nail etc

Spinneret:

- Co-axial nozzle (Stainless steel arrangement with fixed needle geometry)
- Co-axial Nozzle: Core 18-24 G, shell 14-18 G
- Featured with multi-nozzle and compatible for wet-Electrospinning (Compatible for water, Acetone, Methanol & other solvents)

Linear Stage

- Stroke distance: 300 mm
- Speed. Three speed adjustment (Slow, Medium and Fast)

Humidifier

- Humidity Control from ambient to 90%

Spinning chamber

- Illuminating Light: 10 W LED tube
- UV UV Light: 10 watts
- Featured with Computer control interface with temperature control (ambient to 60 degrees), digital temperature and humidity display, exhaust fan with HEPA filter

Other Features

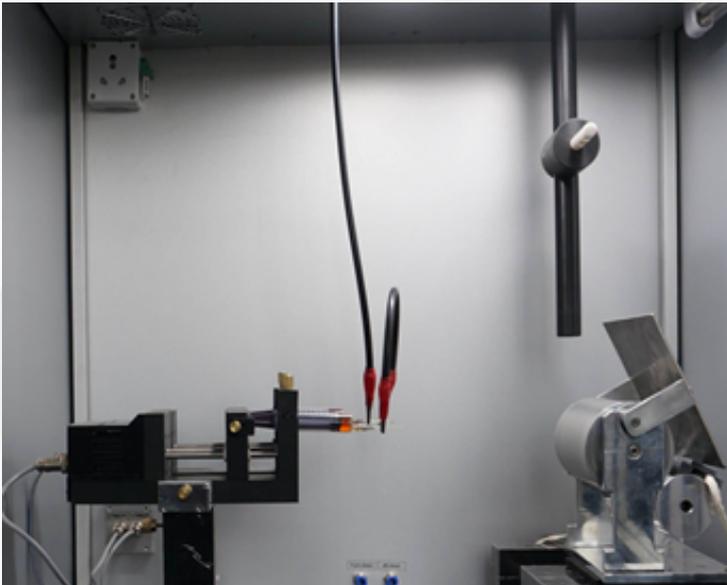
- Control panel with emergency stop and exhaust speed regulator
- HMI/PLC with pre-installed software (Branded Laptop with i7, 500 SSD, 16 GB RAM) for Operational Control

Accessories

- Syringes with needles. 3ml and 5ml FIVE (05) box each
- Standard spinning samples (PVA, PCL, PAN or PVDF)
- Insulation pad/Foot pad
- Standard spinning samples
- Chemical resistance tubing
- Brass connectors
- Allen Key set
- Screw Driver set
- Camera interface to view real-time spinning

General Specifications

- Warranty provided 3 years
- Double installation, Training and Technical Support till customer satisfaction
- Delivery provided to NIPER Kolkata, Panihati Campus



NOTE: This these specification can be changed as per tender specification