



PR No. 100028450 (Rfx No. 6100001549)

Detailed Technical Specifications for Needleless Electros spinner

A. Main Features

- Needle-free or hybrid electrospinning system
- Effective width of nanofiber layer: 250 - 300 mm
- Run time per batch: 40 - 100 min
- Volume of solution per batch: 50 ml
- Substrate speed : 0 - 6000 mm/min
- Spinning voltage : 0 - 80 kV
- Meets all CE requirements (Certification for electrical equipment)
- Safety door locks
- Safety shut-off switches
- Integrated substrate unwind / rewind
- Standalone equipment

B. Spinning unit

- Total number of spinning electrodes: at least 1 or more
- Spinning electrode width: 350 mm or more
- Stationary wire electrode system
- Integrated unidirectional substrate unwind / rewind

C. Equipment variable

- Spinning voltage : 0 - 80 kV
- Substrate speed : 0 - 6000 mm/min
- Spinning distance : 120 - 300 mm

D. Accessories

- Spinning carriage : 50 ml
- Small volume spinning carriage: 10 ml
- Provides cleaning containers for carriages

E. Optional peripherals

- Humidity and temperature control (NS AC 150)
- Industrial camera with adjustable stand
- Provision for core-shell electrospinning

F. Consumption

- Power: up to 300 W
- Meets all Safety/regulation
- Meets all CE requirements (Certification for electrical equipment)

G. Polymer filling

- Operating mode: batch
- Batch volume: 10 ml to 50 ml

H. Desktop

A desktop with the required configuration should be provided if necessary.

I. Site requirements

- Operating staff required: 1 person - Production premises: 3 m x 3 m space required
- Exhaust ventilation connection required
- Appropriate treatment of waste air required
- Extinguishing system connection required
- External grounding required

J. Warranty

3 years warranty

Note: Certification for electrical equipment. Thus, the certificate guarantees that the components and parts would withstand the voltage and current ratings as mentioned and specified in product specifications