Lab Electrospinning Unit

Model LS901

AFFORDABLE

RELIABLE

AUTOMATED

ELECTROSPINNING

ELECTROSPRAYING

Key Features

- Automated Electrospinning process
- User friendly HMI touchscreen panel
- Spinneret scanning system to produce nanofiber mat
- Easy interchangeable collectors
- Vertical plate, wire, mandrel collectors available
- Suitable for electrospinning and electrospraying

The LS 901 offers an affordable, reliable and automated electrospinning experience in the production of nanofibers.

The unit comes with a syringe pump, a high voltage power supply and an interchangeable rotary collector (drum, mandrel or wire) in a large neatly and designed chamber. All components are fully mounted inside the equipment chamber.

Quick locked fasteners enable easy removal of side panels for service and access to all components.

The high voltage power supply offers reliable, high safety (low current) supply 0 to 35 KV of voltage.

The syringe pump features double-syringe spinneret, ideal for single needle or coaxial setup for electrospinning and electrospraying.

The touchscreen LCD allows fast, easy setup and control of electrospinning parameters. Safety features such as auto high voltage cut-off when solution has finished and emergency stop button ensure safe electrospinning experience throughout.

All About Electrospinning

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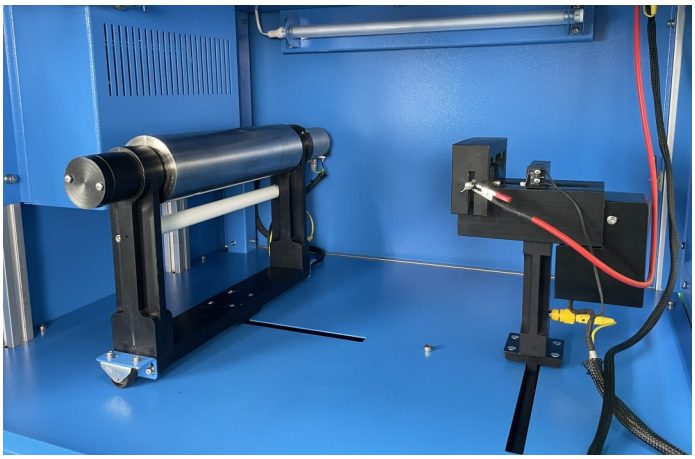

Product Information	
Input power	100-240VAC; 50-60 Hz
Weight	About 120kg
Dimensions (LxWxH)	79.5cm x 71.5cm x 92.0cm
Max output voltage	35kV
Ventilation	Motorized fan to remove solvent from chamber
Heating system	Room temperature to 45°C
Collector type (SS)	Rotary drum and attachable plate collector
Collector rotation speed	0-3000rpm
Collector size	Drum: 8cm x 29.5cm (D x L) Plate: 29cm x 31cm (H x W)
Optional collectors	Wire collector, mandrel collector
Collector distance	5-20 cm
Attachable needles	1 or 2
Syringe pump scanning range	0-25 cm
Syringe pump	0.01ml/h to 60ml/h
Usable syringe size	1-25 mm (ID)
Operation mode	Constant flow rate and maximum volume dispense
Accessories (optional)	Coaxial nozzle with tubing
Safety features	Voltage cut off when door opened, target volume reached.

** Product specifications are subject to change without prior notice due to engineering innovations*

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