

# Lab Electrosinning 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 electrospaying

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.

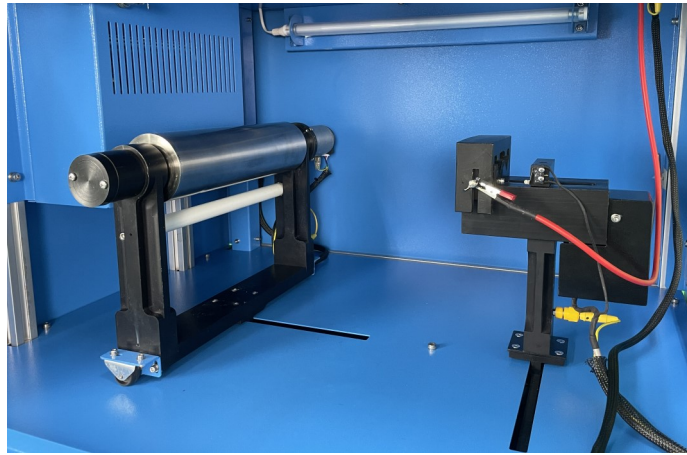
The syringe pump features double-syringe spinneret, ideal for single needle or coaxial setup for electrospinning and electrospaying.

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.

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## Product Information

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

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