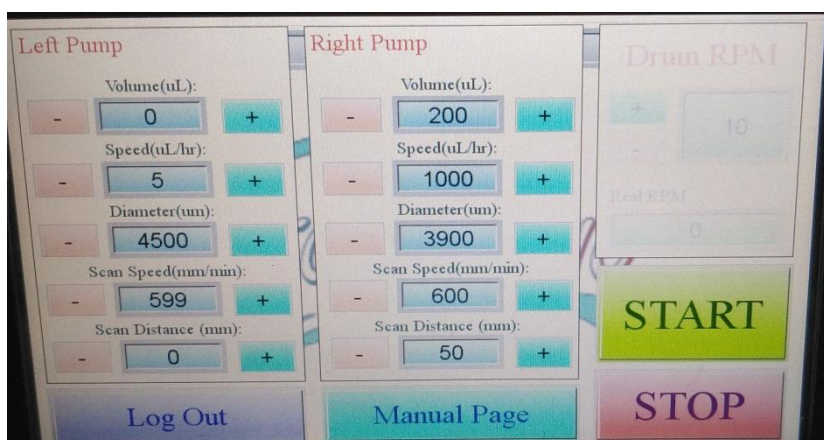


## Electrospinning



Item	Specification	
ES-TN-110	High voltage power supply	<ol style="list-style-type: none"> <li>1. Input voltage: 220V, 50Hz MK plug.</li> <li>2. Voltage range: 0- up to 30 KV approx.</li> <li>3. Output current range: 0 – 400 <math>\mu</math>A approx</li> <li>4. digital display for voltage and current</li> </ol>
	Syringe pump	<ol style="list-style-type: none"> <li>1. Flow rate: 0.1 <math>\mu</math>L/min to 10 ml/min</li> <li>2. ability to program volume and time.</li> <li>3. Double syringe with independent (is better) control .</li> </ol>
	Collector	<ol style="list-style-type: none"> <li>1. Stationary collector (dimension approx 20*20cm)</li> <li>2. Rotating drum collector (0up to 4000 to 5000 RPM) approx</li> </ol>
	Spinneret	<ol style="list-style-type: none"> <li>1. Multi-nozzle</li> </ol>
	Stage	<ol style="list-style-type: none"> <li>1. X-axis motion control.</li> <li>2. Y-axis motion control.(Optional)</li> <li>3. Z-axis motion control.(Optional)</li> </ol>
	Spinning chamber	<ol style="list-style-type: none"> <li>1. Temperature control range from ambient : up to 45°C</li> <li>2. Glass window for real time view</li> <li>3. Humidity display meter.(Optional)</li> <li>4. Exhaust fan.(Optional)</li> <li>5. Inert gas purge facility.(Optional)</li> </ol>
	Control panel: The control panel has to contain:	<ol style="list-style-type: none"> <li>1. Control system HMI graphic</li> <li>2. On/off button</li> <li>4. Main emergency stop button</li> <li>5. Temp &amp; speed indication.</li> </ol>