



Electrospinning Collectors



ESD-30S

To complete a basic electrospinning setup, a suitable grounded collector is required. Plate collector is the simplest collector used in electrospinning, but it has some disadvantages including non-uniformity of the fibers deposited on its surface. We offer a variety of rotary collectors including rotary drum, wire, mandrel and wet collectors that could produce uniform nanofibrous mats. The rotation speed of the collectors is adjustable using a controller and is shown on its LCD display.

Specifications*				
Model	<i>ESD-30S</i>	<i>ESC-16S</i>	<i>ESW-25S</i>	<i>ESM-20S</i>
Input power	100-240VAC; 50-60 Hz			
Collector type	Drum Collector	Wet Collector	Wire Collector	Mandrel Collector
Rotation speed (rpm)	50 to 2500 (Standard) 5 to 50 (Optional)	5 to 50	50 to 2500	50 to 2500
Length of collector	30 cm	16 cm	25 cm	20 cm
Collector diameter	8 cm	10 cm	8 cm	3,4,5,6,7 or 8 mm
Speed control	10-turn potentiometer			
Display	2x16 character LCD			
Application	Producing uniform nanofibrous mat	Wet electrospinning of polymers such as cellulose	Producing parallel (aligned) fibers	Producing nanofibrous tubular structures (artificial vessel, etc.)



ESC-16S



ESW-25S



ESM-20S

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



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