

EASY DRUM



Stand-alone electrospinning equipment with rotary collector for installation into existing setup. Highly aligned nanofiber with uniform thickness.

Rating: Not Rated Yet

Price

Salesprice with discount

6240,00 €

1-4 Weeks

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Manufacturer [Linari Engineering srl](#)

Description

EASY DRUM

Easy Drum provide a digitally controlled rotation system for multiple drum or disk collectors to create aligned nanofibers with uniform thickness.

It is ideal accessory for [Starter Kit](#) or any other conventional electrospinning system, allowing them to go from a static fiber collection system to a dynamic one.

It is possible to electrospin any type of synthetic, organic polymer or ceramic material, starting from solutions at room temperature.

Oriented or non-oriented nanofibers are created on tubular collectors of variable diameter and length.

Technical features of the device

- Compact size, easy installation, ready to use
- Rotary system with sealed brushless motor without forced ventilation to avoid the contamination of the nanofibers and their dispersion due to draughts of air
- Speed of rotation up to 5000 rpm in both directions
- Easy replacement of the collector thanks to self-centering chucks
- Electric control panel with digital indication of the speed
- Built-in collector grounding connections for minimum electric resistance
- High voltage insulation capability up to 40 kV
- 30 mm diameter drum included [SSCY-30x120](#), wide selection of [drum](#) and [disks](#) available

Technical advantages of the device

- **Flexibility:** the user can, each time, create the best needle-collector configuration thanks to the absence of geometric restrictions of the device with respect to the syringe
- **Reliability:** the use of Omron Electronics industrial components for the control electronics guarantees the maximum reliability of the system also under heavy use conditions
- **Safety:** every metal part is grounded with low impedance to avoid dangerous overvoltages

DESCRIPTI ON	STANDARD VERSION	HIGH SPEED VERSION	HIGH SPEED + VOLTAGE I NSULATIO N
Minimum Speed	75 rpm	0 rpm	0 rpm
Maximum Speed	3000 rpm	5000 rpm	5000 rpm
Maximum collector diameter	100 mm	100 mm	100 mm
Minimum collector diameter	1 mm	1 mm	1 mm
Maximum collector length	150 mm	150 mm	150 mm
Minimum collector length	---	---	---

Collector polarity	Grounded	Grounded	From ground up to 40 kV
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Units in box: 1