

2DSpin



XY Stage for solution electrospinning, melt electrospinning and near-field electrospinning

Rating: Not Rated Yet

Price

Salesprice with discount

10600,00 €

1-2 months

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Manufacturer [Linari Engineering srl](#)

Description

2DSpin

2DSpin is an electrospinning machine that allows precise deposition of nanofibers thanks to stage movements in X and Y directions. Thanks to **G-code interpreter** you can draw the desired trajectory through a CAD software and send the work program to the machine. The **CSV interpreter** allows you to create work programs in a simple and powerful way through spreadsheets. The machine can be connected to an IT network through the LAN port.

Main features

- Compact, easy to install, ready-to-use
- Stand-alone solution to be used with every electrospinning setup
- Single or linear interpolated movement of X and Y axes
- Suitable for nanofibers collection and emitter position control
- Saving up to 2000 work programs in internal memory
- Work programs in CSV (Excel) or G-code format (up to 10000 steps)
- Possibility to use the electrospinning machine in vertical or horizontal position
- Management of all working parameters by LCD touch screen interface and web browser
- Dielectric case
- Integrated safety system

Optional features

- Z axis movement to create 3D structures
- Heating needle system for melt electrospinning up to 250°C
- Easy Drum rotary collector up to 5000 RPM

Targets

- Highly aligned micro/nano fibers production
- Random micro/nano fibers production
- Melt electrospinning
- Near-field electrospinning

Technical data

Motor type	Closed loop stepper motor
Stroke X-axis	190 mm
Stroke Y-axis	190 mm
Max speed	500 mm/s
Repetition accuracy	±0.02 mm
Main interface	Wide LCD color touch screen
Remote interface	WEB server
Work program interface	FTP server

Units in box: 1