

Ne200

Advanced single-nozzle model

Singlenozzle spinning

Changeable collectors

Bottom-up spinning

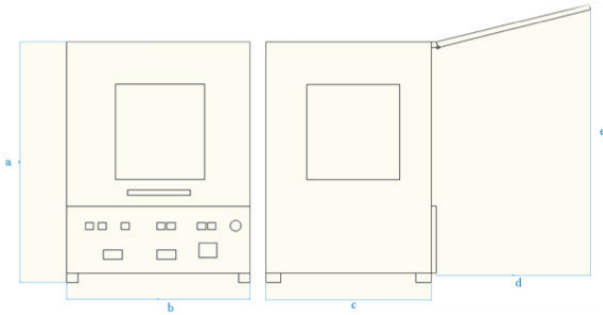


The NE200 lab scale electrospinning unit is the basic electrospinning unit for universities and R&D companies. It is aimed at simple nanofiber production for basic or beginner research.

Optional Accessories for Ne200

- Changeable collectors
- Co-Axial nozzle system
- Heat controlled chamber
- Humidity controlled chamber
- Camera integrated chamber
- Atmosphere controlled tube
- Heating collector
- Vacuum holder collector

General Description	
Model	NE200
Description	Single nozzle electrospinning unit
Spinning Type	Bottom-up spinning
Produced in	Turkey
Construction	
Chassis	Electrostatic Painted(RAL7031+RAL7024) Sheet Metal
Feeding Area Material	PE 1000(High Density, Chemical resistant)
Collector Material	7000 Series Aluminium Alloy
Windows	4 mm Transparent Glass
Total Weight	<110kg(3880 oz)
Dimensions	560mm (22.0") x 540mm (21.3") x 900mm (35.4")



Chassis Dimensions	
a	900mm(35.4")
b	560mm(22")
c	540mm(21.3")
d	475mm(18.7")
e	1080mm(42.5")

Collecting Area	
Collection Type	Changeable plate collectors (Round plate D130, two parallel rods, two opposite rods, four cross rods, 3D aligned fiber apparatus, yarn apparatus collectors)
Flat Plate Material	Aluminium
Spinning Distance	
Distance Between Nozzle and Collector	30mm(1.18") - 230mm(9.06")
Distance Adjustment Precision	1mm
Distance Adjustment Method	Linear Actuator
Distance Adjustment Speed	Constant / 6.6mm/sec(0.26 inch/sec)
Distance Indicator	Digital

High Voltage Power Supplier	
Produced in	United States (CE and ISO Certified)
Voltage Range	0- 40 kV
Voltage Precision	100V
Voltage Display	LED Screen
Max Current	0.75 mA

High Precision Micro Pump	
Produced in	United States (CE and ISO Certified)
Flow Rate	0.01-1000ml/h
Flow Rate Precision	0.01ml/h
Flow Rate and Volume Display	LED
Available Syringes	Standard 1, 5, 10, 20 and 50ml

Feeding Area	
Number of Nozzles	1pcs
Nozzle Material	Electrically conductive brass
Nozzle Inner Diameter	0.8 mm (0.31")
Minimum Required Solution for Single Nozzle Feeding	1ml

Automation	
System Power Button	
Emergency Stop Button	
Safe Door Button	
LED Illumination On/Off	
Exhaust Fan On/Off	
Spinning Distance Adjustment	
Digital Spinning Distance Indicator	
Pump On/Off	
High Voltage Adjustment	
Digital High Voltage Indicator	

Technical Requirements	
220 V 50/60 Hz Power Plug	
External Grounding Line	

NE200 Users	
Northeastern University	USA
University of Kentucky	USA
University of Basque Country	Spain
SUTD	Singapore
Alexandria Res. and Tech. City	Egypt
Marmara University	Turkey
Atilim University	Turkey

