

ULTRA BASIC LAB-UNIT



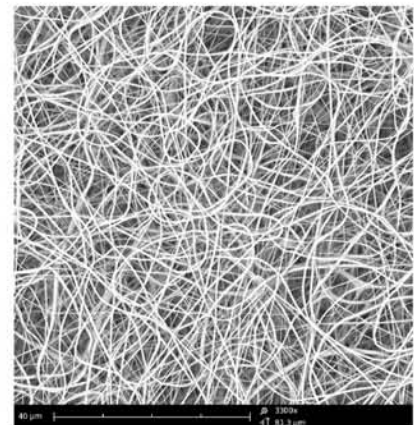
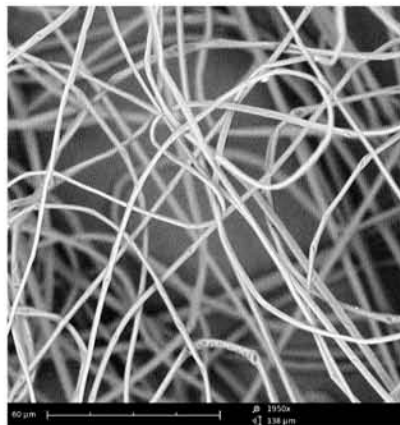
DESCRIPTION

The Ultra Basic Lab-Unit is a cost-effective, easy to use and safe system for production of nanofibrous membranes by electrospinning. It is composed by:

- High Voltage Power Supply
- Flat Plate Collector
- Syringe Pump
- Adjustable Stand Support and Needle Holder

The system is housed in a transparent theca made of anodized aluminium. System is equipped by power and control box necessary for electrospinning operations.

EXAMPLE OF FIBERS MADE WITH OUR SYSTEM



Examples of Random collected nanofibers

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Bologna (Italy)

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TECHNICAL DATA

SPINNING DEVICES

Adjustable Support: stroke 400 mm
Needle Holder (up to 3 on the same Adjustable Support)
Flat Plate Collector: made of aluminium (others material on demand),
200x200 mm (customizable)
HV Generator: 30 kV
Single Syringe Pump (customizable)

THECA

Anodized aluminum case: 700x700x1000 mm (customizable)
Profiles connection to ground to get Faraday cage
Transparent walls made of unbreakable shatter-proof of polycarbonate.
Non-transparent walls med of white POM

ACCESSORIES

Syringe of different size
Tip cap for syringe
Fittings tube

SAFETY

CE compliant (3rd party verified)
Shut-off switches in access doors

POLYMERS

The system is suitable to process both water and non-water soluble polymers

Accessories on demand:

Exhaust ventilation system
Coaxial Spinnret
Different collectors (static or XY Moving Collector)

CONTACT INFO

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CONFIGURATIONS

1.1 VERSION

Flat PLate Collector



1.2 VERSION

XY Moving Collector



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