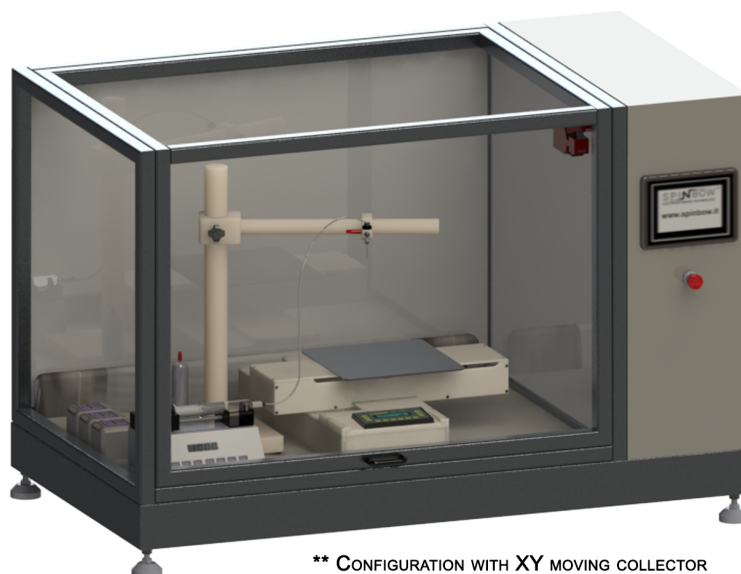


BASIC LAB-UNIT



** CONFIGURATION WITH XY MOVING COLLECTOR

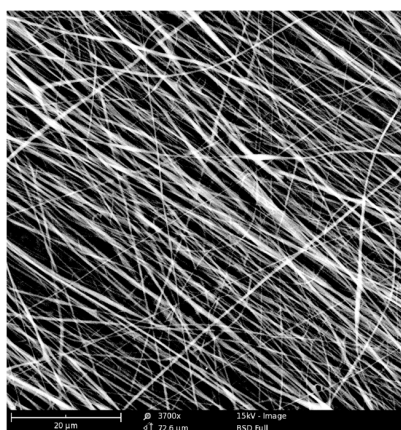
DESCRIPTION

The Basic Lab-Unit is an easy to use and safe system for production of nanofibrous membranes by electrospinning. It is composed by:

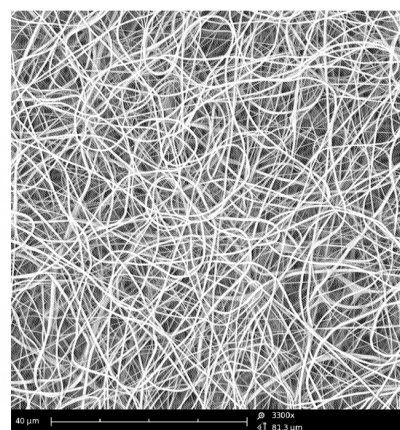
- High Voltage Power Supply
- Different possibility of Collector
- Syringe Pump
- Adjustable Stand Support and Needle Holder

The system is housed in a transparent theca made of anodized aluminium. System is equipped by touch screen control panel to set-up and control electrospinning operations.

EXAMPLE OF FIBERS MADE WITH OUR SYSTEM



Examples of aligned collected nanofibers



Examples of Random collected nanofibers

BASIC LAB-UNIT

TECHNICAL DATA

SPINNING DEVICES

Adjustable Support: stroke 400 mm

Needle Holder (up to 3 on the same Adjustable Support)

Collector:

- Flat Plate, made of aluminium (others material on demand), 200x200 mm (customizable)
- XY moving collector (customizable)
- Roto-traslating Drum collector (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 X-Y actuated)

CONTACT INFO

SPINBOW S.R.L.

Via dell'Artigiano 8/6
40016 San Giorgio di Piano (BO)
Italy

mail: info@spinbow.it
phone: (+39) 3483002352
VAT: IT03235461203

For technical questions contact
our engineering office:

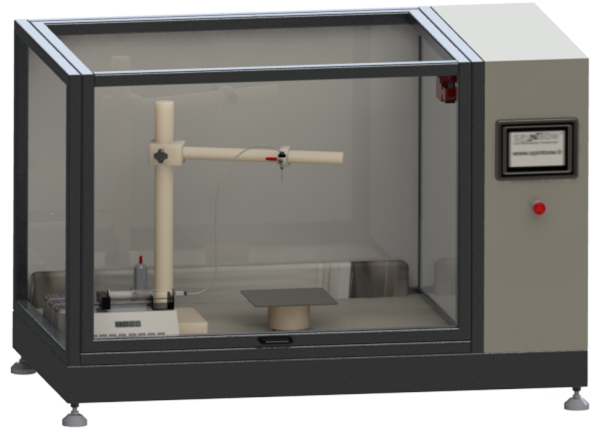
tech@spinbow.it

BASIC LAB-UNIT

CONFIGURATIONS

1.1 VERSION

Flat PLate Collector



1.2 VERSION

Roto-traslating Drum Collector



1.3 VERSION

XY Moving Collector

