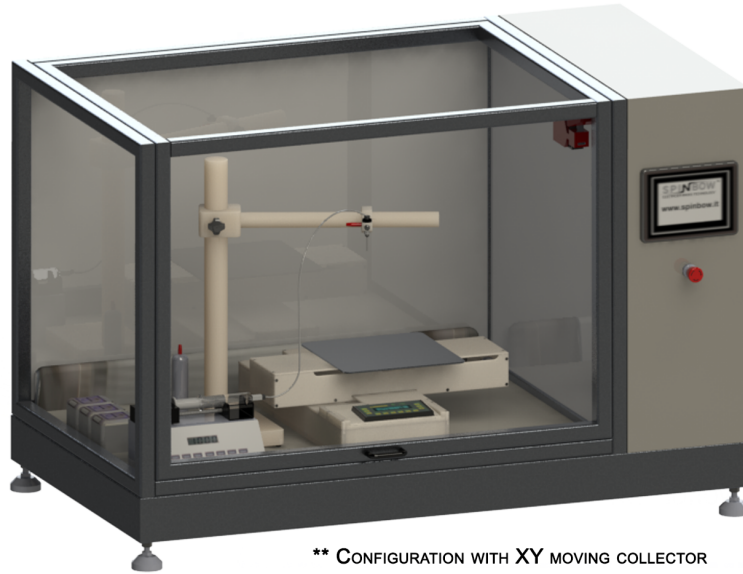


**BASIC LAB-UNIT**



\*\* CONFIGURATION WITH XY MOVING COLLECTOR

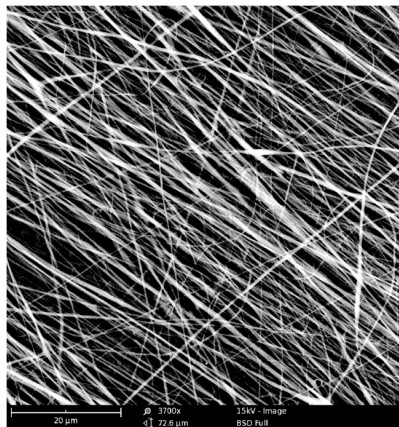
**DESCRIPTION**

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

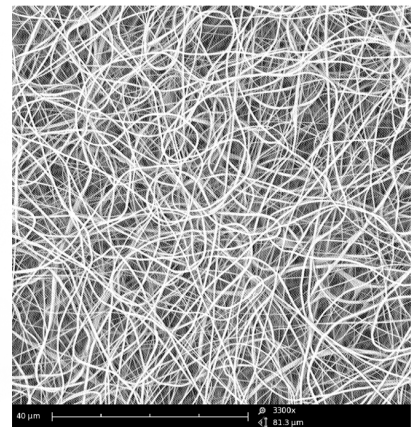
- High Voltage Power Supply
- Different possibility of Collector
- Syringe Pump
- Adjustable Stand Support and Needle Holder

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

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Bologna (Italy)

info@mib40.com

## 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 (3<sup>rd</sup> 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

### **MIB srl SOCIETÀ BENEFIT**

Via I. Bandiera, 14/C  
40050 Monte San Pietro  
(Bologna), Italia

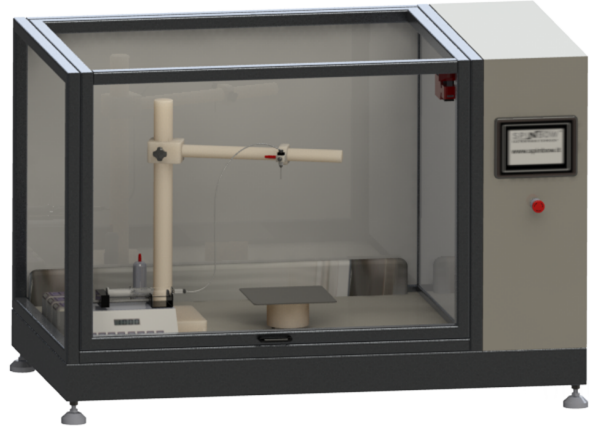
[info@mib40.com](mailto:info@mib40.com)

VAT IT04073441208

## CONFIGURATIONS

### 1.1 VERSION

*Flat Plate Collector*



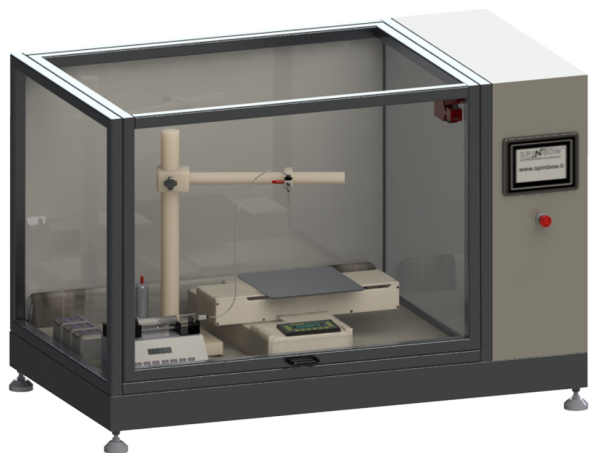
### 1.2 VERSION

*Roto-translation Drum Collector*



### 1.3 VERSION

*XY Moving Collector*



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