



# ND-ES Lab Electrospinning

## Lab electrospinning unit



High precision control



Electrospinning



Windows user friendly software

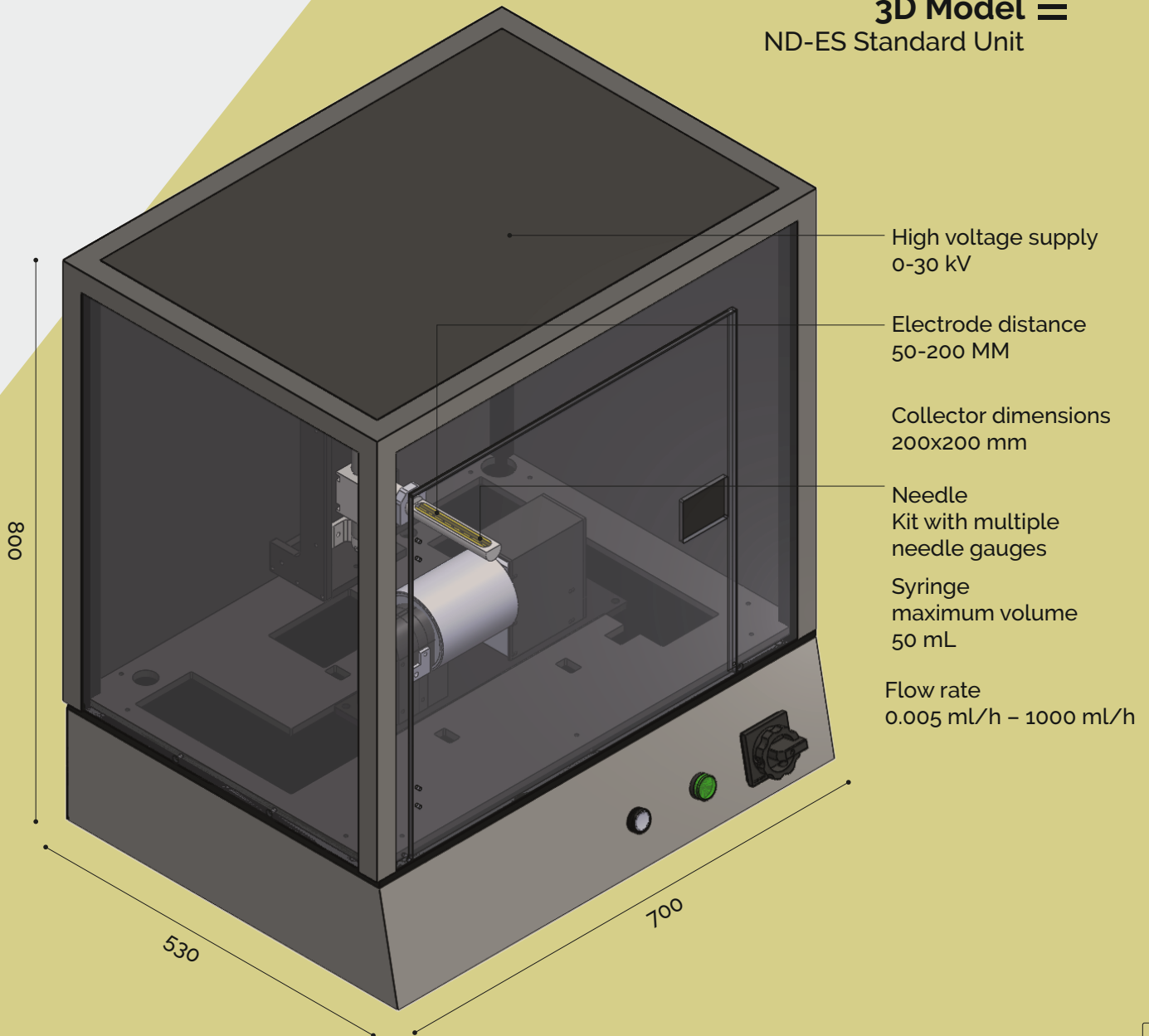


1 year warranty

Nadetech ND-ES Lab Electrospinning Unit is a completely automatized equipment for fiber fabrication via electrospinning technique. Its design and programmable software allows to control and automatize every electrospinning parameter with high accuracy and reproducibility. ND-ES Lab Electrospinning Unit is used to obtain nanometric fibers for multiple applications such as biomedical coatings and all kind of smart coatings.

### 3D Model

ND-ES Standard Unit



ND-ES Lab Electrospinning Unit has been designed for the production and deposition of nanofibers on different substrates. ND-ES Lab Electrospinning Unit consists on an emitter connected to a controllable high voltage source. The system allows an accurate control of the flow rate, voltage and distance between the emitter and the collector. The equipment is manufactured for both vertical and horizontal depositions, allowing simple layout changes. Rotatory and planar disc collectors are available to obtain specific electrospinning fiber patterns.

The user friendly Windows® based software permits to control all the electrospinning process parameters with high accuracy. The user has full automatized control of the voltage, flow rate, needle distance and collector parameters. Nadetech®'s software also allows to store all these settings for further usage, which guarantees a high reproducibility of the coatings.

## ☰ Materials

Customize the device according to your needs.

## ☰ Accessories



### Spinnerets

Single, coaxial, triaxial and multi-nozzle spinnerets.



### Taylor Cone Camera

Digital camera module.  
Process registering and performance feedback



### Dual voltage

Dual voltage +30kV / -30kV



### Humidity & Temperature sensor

Humidity and temperature register  
Dust and dirt protected 0-100% RH / -40 to 60°C



### Touchscreen

Windows based touchscreen



### Chamber for humidity and temperature

