

Coaxial Electrospinning & Electropray
Professional Lab Device



PROFESSIONAL LAB DEVICE

Accessories catalogue

In this catalogue you may find the different accessories you can purchase for your Coaxial Electrospinning & Electropray Professional Lab Device and Professional Climate Control Unit Equipments.

Nozzle injectors

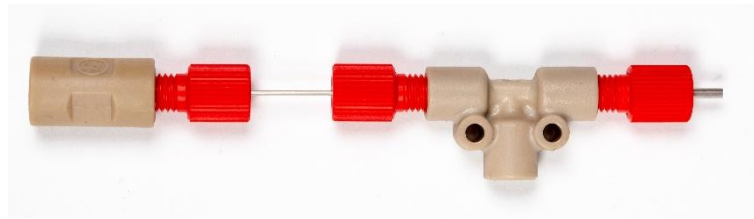


Single nozzle injector

Single nozzle injector that allows to atomize liquids and polymeric solutions in order to obtain particles or fibers at micro or nanometric size. Feeding tube is included.

There are available blunt needles of different diameter size. Contact our specialists to ask for the nozzle injector TDS to select the proper needle diameter size for your Project.

Materials: Needles and HV connection tube made of Stainless Steel (SS, AISI 304); rest made of DELRIN® and PEEK.



Coaxial nozzle injector

Injector composed of two coaxial and concentric needles that allows to obtain capsules, in the form of fibers or particles, of two different solutions by atomization process. Feeding tubes are included.

There are available blunt needles of different diameter size. Contact our specialists to ask for the nozzle injector TDS to select the proper needle diameter size for your Project.

Materials: Needles and HV connection tube made of Stainless Steel (SS, AISI 304); rest made of DELRIN® and PEEK.

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Lineal multi-nozzle injector

Injector composed of three single nozzles in a row injector that allows to obtain particles or fibers at micro or nanometric size from the same solution by atomization process. Feeding and HV tubes are included.

There are available blunt needles of different diameter size. Contact our specialists to ask for the nozzle injector TDS to select the proper needle diameter size for your Project.

Materials: PEEK (body), Needles and HV connection tube made of Stainless Steel (SS, AISI 304); rest made of DELRIN®.

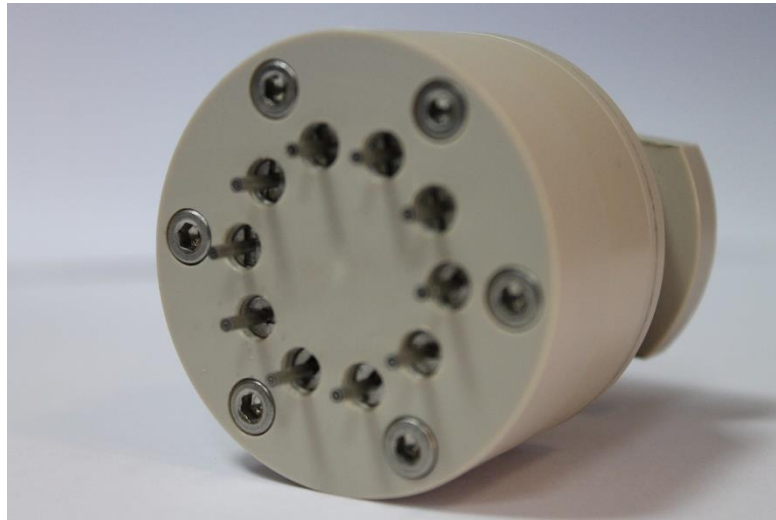


Single Component multi-Nozzle injector (10 nozzles)

Injector composed of ten single needles in a row that allows to obtain particles or fibers at micro or nanometric size from the same solution by atomization process. Feeding and HV tubes are included.

There are available blunt needles of different diameter size. Contact our specialists to ask for the nozzle injector TDS to select the proper needle diameter size for your Project.

Materials: PEEK (body), Needles and HV connection tube made of Stainless Steel (SS, AISI 304); rest made of DELRIN®.

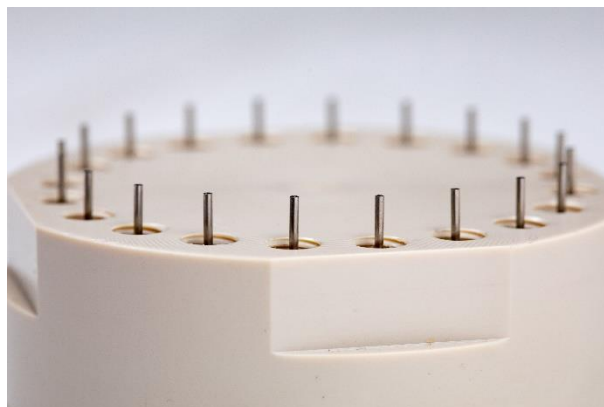


Coaxial Component multi-Nozzle injector (10 nozzles)

Injector composed of ten coaxial and concentric needles in a row that allows to obtain particles or fibers at micro or nanometric size from the same solution by atomization process. Feeding and HV tubes are included.

There are available needles of different diameter size. Contact our specialists to ask for the nozzle injector TDS to select the proper needle diameter size for your Project.

Materials: PEEK (body), Needles and HV connection tube made of Stainless Steel (SS, AISI 304); rest made of DELRIN®.



Single Component multi-Nozzle injector (20 nozzles)

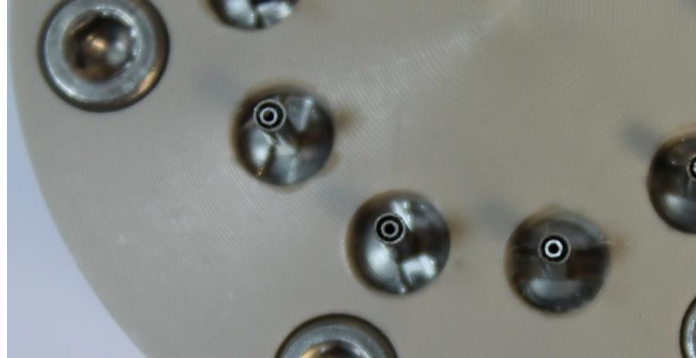
Injector composed of twenty single needles in a row that allows to obtain particles or fibers at micro or nanometric size from the same solution by atomization process. Feeding and HV tubes are included.

There are available blunt needles of different diameter size. Contact our specialists to ask for the nozzle injector TDS to select the proper needle diameter size for your Project.

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Materials: PEEK (body), Needles and HV connection tube made of Stainless Steel (SS, AISI 304); rest made of DELRIN®.



Coaxial Component multi-Nozzle injector (20 nozzles)

Injector composed of twenty coaxial and concentric needles in a row that allows to obtain particles or fibers at micro or nanometric size from the same solution by atomization process. Feeding and HV tubes are included.

There are available needles of different diameter size. Contact our specialists to ask for the nozzle injector TDS to select the proper needle diameter size for your Project.

Materials: PEEK (body), Needles and HV connection tube made of Stainless Steel (SS, AISI 304); rest made of DELRIN®.



Side by side spinneret

Injector that consists of an external needle in which interior are found two smaller inner needles. This injector allows to obtain fibers or particles of two different solutions fed through the inner needles.

Feeding and HV connection tubes are included.

Material: PEEK (body and tube union), Stainless Steel needles (AISI 304), rest DELRIN®.



Needle Screwdriver

Screwdriver that allows the user to change/remove the needles of the following multi-nozzle injectors:

- Lineal (3 needles).
- Single (10 needles).
- Coaxial (10 needles).



Clamp for multi-nozzle injectors

Clamp that allows to install a multi-nozzle injector in your Professional equipment. You can only attach one multi-nozzle injector per equipment.

Screw necessary to attach the clamp to the equipment is included.

Material: Teflon®.

Packs and spare parts



Pack of 5 blue or yellow ferrules

Pack that contains 5 blue or yellow ferrules. You can ask for the PTFE tube that joins the needle to the ferrules.

Material: DELRIN®.



PEEK T

PEEK T. Can be ordered with or without a plug. Sold by units.

Material: PEEK.

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PEEK Union

PEEK Union. Sold by units.

Material: PEEK.



Syringe adapter

Syringe adapter. It is a luer-lock connection so luer-lock, allowing the syringe to be precisely fitted to the feeding tube; preventing the pressure of the syringe pump from separating the syringe from the tubing. Sold by units.

Material: DELRIN®.



Feeding tube

A 30cm feeding tube that passes the solution from the syringe to the injector.

Contact our specialists to ask for the nozzle injector TDS to select the proper feeding tube for your Project.

Sold by units.

Material: Teflon® tube, rest DELRIN®

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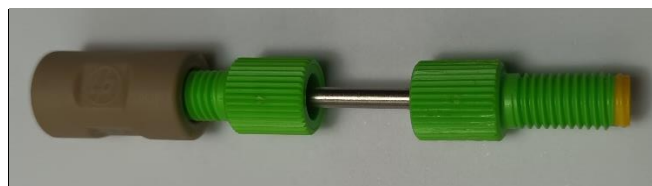


Teflon tube®

Teflon® tube that can be used as a feeding tube (adapters not included) or as a PTFE tube to join the needle to the ferrule. Hay diferentes tamaños de tubos disponibles. Contact our specialists and ask for the injector TDS to select the right needle diameter for your Project.

Sold by meter.

Material: teflon® tube.



HV connector

Tube that allows to connect the positive high voltage wire to the nozzle injector.

Sold by units.

Material: PEEK Union (PEEK), SS tube (AISI 304), rest DELRIN®.



Pack of 5 nuts

Pack of 5 nuts. Can be ordered either all of the same colour or a combination of them. Red nuts fits with blue ferrules and green ones fits with yellow ferrules.

Material: DELRIN®.

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Pack of 3 metallic nuts + 3 blue ferrules

Pack of 3 metallic nuts and blue ferrules used to attach the needles to the multi-nozzle injectors. It is necessary to purchase the needle screwdriver to change/remove the needles to the nozzle injectors. It can be coupled with the following multi-injectors:

- Lineal (3 needles).
- Single (10 needles).
- Coaxial (10 needles).

Material: DELRIN® blue ferrule, SS nuts (AISI 304).



Nut + ferrule pack

Pack of one nut with one ferrule. Consult with our specialists the right size for your Project.

Material: DELRIN®.



Set of 5 single needles

Pack of 5 replacement needles for single injectors. Contact our specialists and ask for the injector TDS to select the right needle diameter for your Project. PTFE joint included.

You can combine different sizes or order all the needles of the same size.

Material: PTFE joint. Stainless steel AISI 304 needles.

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10 single multi-nozzle injector pack

Pack of 10 replacement needles for single multi-nozzle injectors. Contact our specialists and ask for the injector TDS to select the right needle diameter for your Project. PTFE joint included.

You can combine sizes or order them all in the same size.

Material: PTFE joint. Stainless steel AISI 304 needles.



Set of coaxial needles (1 needle)

Pack of 1 replacement needle for coaxial injectors.

Contact our specialists and ask for the injector TDS to select the right needle diameter for your Project. Spring included.

Sold by unit.

Material: Stainless steel AISI 304 spring and needles.

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Set of 10 coaxial needles

Pack of 10 replacement needles for coaxial multi-injectors.

Contact our specialists and ask for the injector TDS to select the right needle diameter for your Project. Spring included.

Material: Stainless steel AISI 304 spring and needles.



Pack of 4 springs

Pack of 4 replacement springs for coaxial injectors.

Contact our specialists and ask for the injector TDS to select the right needle diameter for your Project. Spring included.

Material: Stainless steel AISI 304 spring and needles.

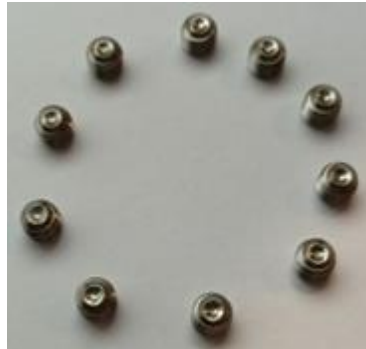


Single multi-nozzle pack

Pack of two toroidal joints + plug for single multi-nozzle injectors.

Material: Teflon® toroidal joints and AISI 304 stainless steel plug.

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Pack of multi-injector plugs

Pack of 10 plugs for single multi-nozzle injectors.

Material: Stainless steel AISI 304.



Allen wrenches set

Set of Allen wrenches to attach injectors and collector to your equipment.

Material: Stainless steel.

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Syringes set

Set of 12 three body sterilized syringes with luer-lock connection. Different sizes can be combined.

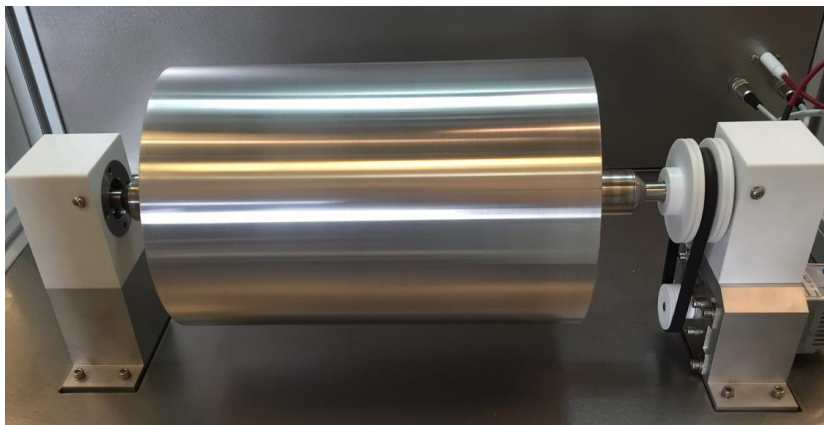


Camera pack

Items included in each set:

- Camera
- Camera lens
- Extension ring
- USB cable

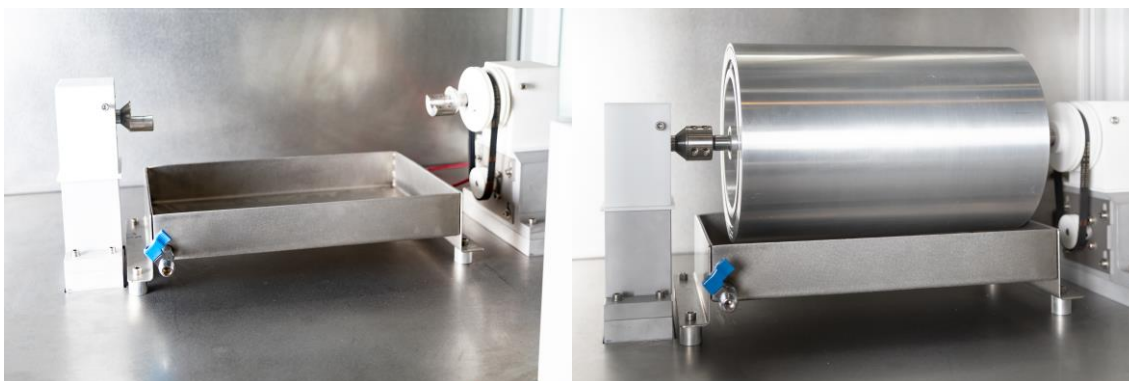
Collectors



Drum

Drum collector that allows to obtain homogeneous non-woven membranes produced by electrospinning.

Material: Stainless Steel AISI 304.



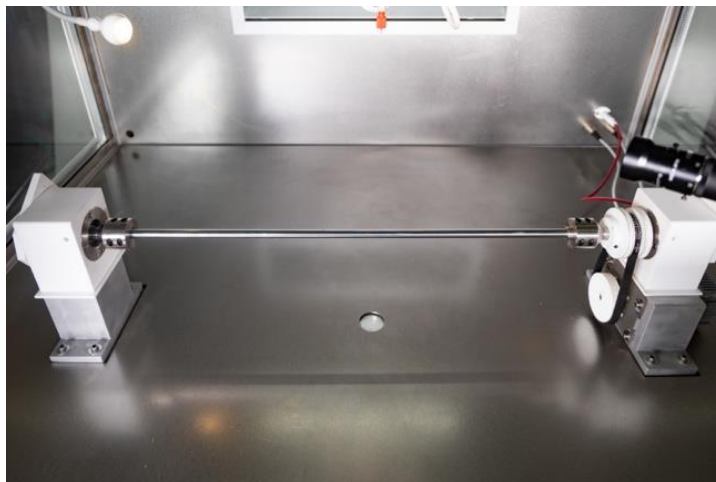
Bath

Complementary collector for the drum collector that allows to gelate/solidificate fibers obtain by electrospinning technique.

Includes drainage valve.

Material: Stainless Steel AISI 304.

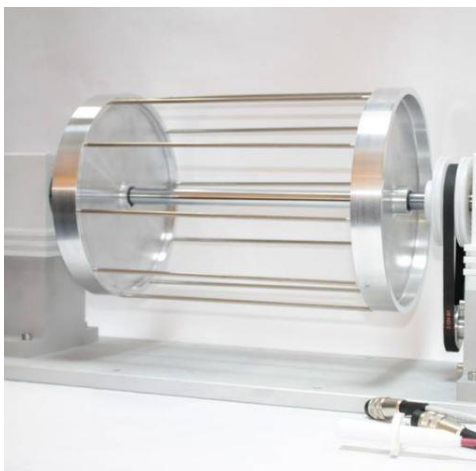
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Mandrel

Collector that allows to obtain homogeneous non-woven membranes in a hollow tube-like shape by means of the electrospinning technique. Contact our specialists to consult the different available sizes.

Material: Stainless Steel AISI 304.



Patterned drum

Collector that allows to align the obtained fibers by means of electrospinning technique.

Material: Stainless Steel AISI 304.

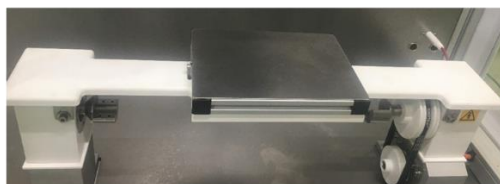
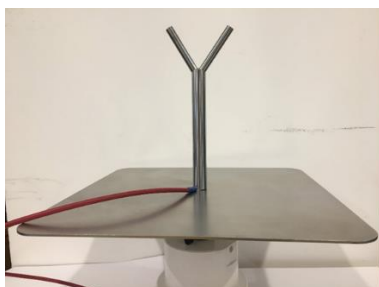
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Disc

Collector that allows to obtain fibers in a continuous yarn like form.

Material: Stainless Steel AISI 304.



Customized collectors

If you need a sample collection system that is not found in this catalogue, do not hesitate to consult our specialists. We can design collectors to help you achieve your goal.