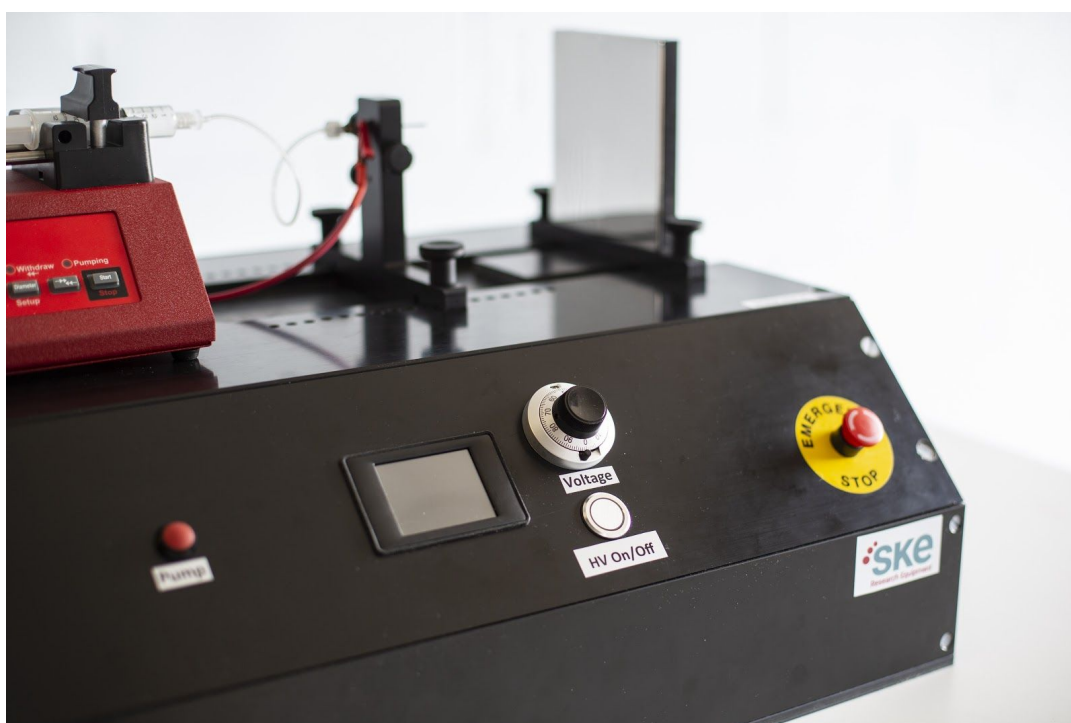


## E-Fiber EF050

Modular electrospinning platform

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### EF050 - Starter Kit

E-Fiber electrospinning is a Plug & Play setup for users who deal with electrospinning techniques for the first time or for expert users who intend to develop new materials and require a new and easy setup for their research. The Starter Kit, however simple and easy to use, still has all the requirements and strong points of the high-end versions, such as the EF100 and the EF300 XL models.

This device creates a powerful and highly versatile technique for the production of different types of nanofibers, with reproducible conditions and controlled diameters. Due to its manufacturing technology (entirely made of insulating material) E-Fiber minimises influence on the electrospinning process: in fact it offers various technological solutions to accurately control each process guaranteeing batch-to-batch reproducibility and precise control of fibre parameters such as diameter, orientation and texture. The equipment is user-friendly and could be safe thanks to the predisposition to add automatic safety devices that would protect the operator.

The Starter Kit includes all the necessary instrumentation for a complete, safe and ready to use setup, to rapidly begin your electrospinning sessions.

E-Fiber Starter kit includes:

- High voltage power supply 0-40 kV,olt,
- Control system with LCD interface,
- 1-channel syringe pump (customizable upon request) with remote control
- insulating base with spinneret-collector
- Manual adjusting of spinneret-collector distance
- Spinneret and collector insulating supports
- Disposable kit.



The disposable kit includes 2 stainless steel spinneret of 2 different diameters, 100 syringes, tygon/ptfe tubing (7.5m), polypropylene male and female luer connectors (15+15).

Provided without cabinet, for customer with their own fume-hood system.

Our smart solution can be placed inside the fume-hood when you need it and removed in a minute when you do not need it - with this solution you are not going to keep busy your fume-hood.

## TECHNICAL DATA

### General Information

Chassis	Plastic (PVC)
Dimensions	680 mm x 410 mm x 350 mm (W x D x H)
Input Voltage Specification	100 ÷ 240 VAC - 50/60 Hz
Approximate Weight	10 kg
Safety Interlock	Yes

### High-voltage power supply (CE and UL mark)

Polarity *	Single power supply 0÷40kV
Power *	30W (higher power on request)
Arc and Short-circuit protection	Yes
Safety Interlock	Yes
Voltage Stability	0,01% per 8 h. 0.02% per day
Regulatory Approvals	Compliant to 2004/108/EC EMC Directive Compliant to 2006/95/EC Low Voltage Directive

### Syringe pump

#### Non programmable (Standard)

Channels	1
Syringe	1 mL up to 60 mL
Infusion rates	from 0.73µL/hr to 2568mL/hr
Dispensing accuracy	+/- 1.00 %

#### Programmable (Alternative)

Channels	1
Syringe	up to 140 cc
Flow rates	from 0.73µL/hr to 3470mL/hr
Dispensing accuracy	+/- 1.00 %

### Collector

Shape *	square
Size *	120 [W] x 130 [D] mm
Material *	Stainless Steel
Spinning Distance	50 ÷ 250 mm

### Spinneret

Spinneret type	Single spinneret
Spinneret range size*	30G up to 10G
Length*	50 mm
Material	Stainless Steel

\* Fully customizable features

## ORDERING DETAILS

S-EF-050-HV4P-CS120130-SP1N

E-Fiber Starter kit

S-EF-050-HV4P-CS120130-SP1P

E-Fiber Starter kit (w programmable syringe pump)

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### SKE Research Equipment

C/O Leonardino Srl  
via Ghisalba 13  
20021 Bollate (MI) - Italy

tel: +39 02 4953 1694

[www.ske.it](http://www.ske.it)

For information: [info@ske.it](mailto:info@ske.it)

Sales request: [sales@ske.it](mailto:sales@ske.it)