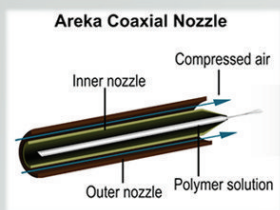
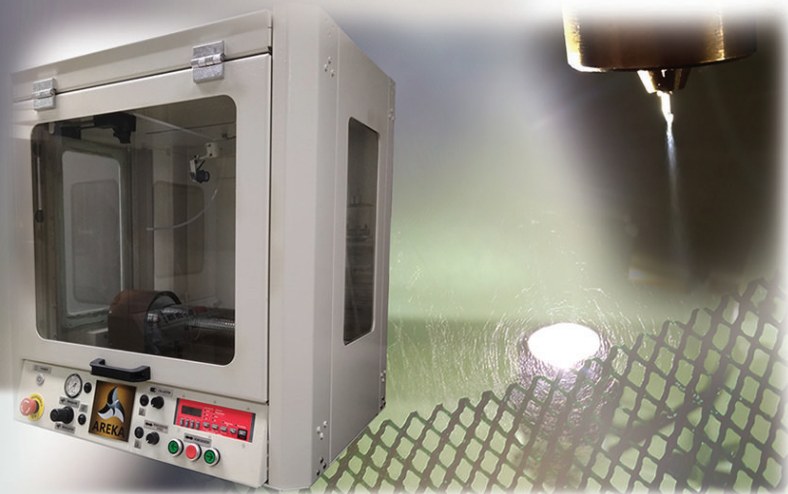




AEROSPINNER

Solution Blowing Series



Nanofiber spinning via compressed air



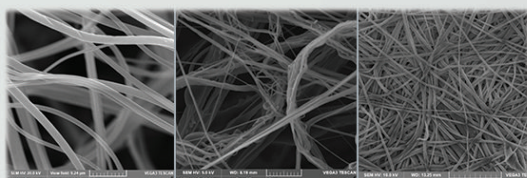
Maximum pressure: 6 Bars



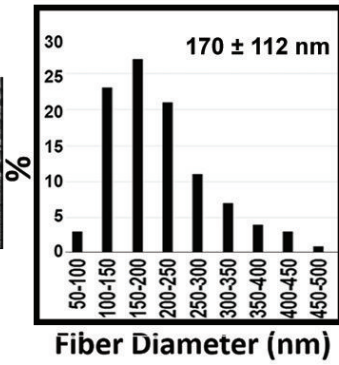
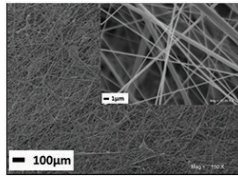
Rotating vacuum collector



Maximum sample size: 400mmx500mm



Usable for most of the polymers

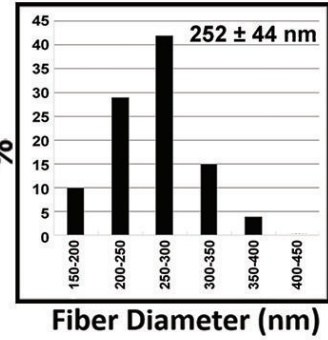
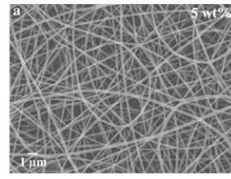


Thermoplastic polyurethane (TPU) nanofibers, produced using Aerospinner L1.0.

Feed rate
10 mL/h

Solution concentration
10 wt%

Resource: Polat, Y., Pampal, E. S., Stojanovska, E., Simsek, R., Hassani, A., Kilic, A., ... & Yilmaz, S. (2016). Solution blowing of thermoplastic polyurethane nanofibers: A facile method to produce flexible porous materials. *Journal of Applied Polymer Science*, 133(9).

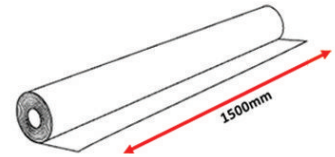
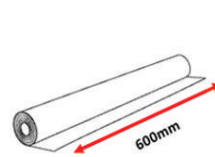
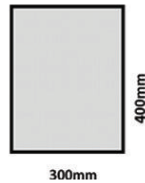


Thermoplastic polyurethane (TPU) nanofibers, produced using Electrospinning.

Feed rate
3 mL/h

Solution concentration
5 wt%

Resource: Dasdemir, M., Topalbekiroglu, M., & Demir, A. (2013). Electrospinning of thermoplastic polyurethane microfibers and nanofibers from polymer solution and melt. *Journal of Applied Polymer Science*, 127(3), 1901-1908.



	Lab (L) series	Pilot (P) series	Industrial (I) series
SB*/EB**/CS*** availability	Available for CS, SB and EB	Available for CS and SB	Available for CS and SB
Sample size	300mm x 400mm; 400mm x 500mm	600mm (width)	1500mm (width)
Use	Batch, lab scale, R&D	Continuous	Continuous
SB feeder	Sliding nozzle/Multinozzle	Areka die: 120 spinnerette	Areka die: 300 spinnerette
CS rotor #	1 rotor	4 rotors	10 rotors

*SB: Solution blowing **EB: Electroblowing ***CS: Centrifugal spinning

Please contact us for your special requirements. Also ask for Areka centrifugal spinning lines.



Advanced Technologies

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