

# THE ELECTROSPINNING PROCESS

The process relies on these primary elements:



1

A RESERVOIR OR SYRINGE



2

A BLUNT NEEDLE



3

A POWER SOURCE



4

A COLLECTOR

## How it works:

1

A solution is pushed through the needle tip at a constant flow rate under voltage

2

The surface of the liquid is gradually charged until the liquid meniscus transforms into a Taylor Cone

3

The charged fluid is then ejected into the collector.

4

As the fluid evaporates, solid fibres form

5

The ultimate result is an unwoven fibre mat that's suited to a scale up process