ABOUT TORTECH NANO FIBERS

Tortech Nano Fibers was founded in 2010 as a joint venture between Plasan Sasa Ltd (Israel) and Q-Flo Ltd (UK), a spin-off from Cambridge University, UK. Using the core technology for the production of carbon nanotubes developed at Q-Flo, Tortech is developing a patented process for the manufacture of ultra-long CNT mats non-woven for a wide range of commercial and defense applications.

Hanassi Herzog st. Koren industrial park Ma’alot Tarshiha, Israel
Tel: +972-54-2873 810, E-mail: info@tortechnano.com
www.tortechnano.com

INNOVATIVE
ULTRA-LONG CARBON
NANOTUBES

Lighter
Stronger
Better performance
More conductive
CNTs have the potential to revolutionize an extensive number of industries. They can make aircraft and wind turbines parts stronger and lighter, with deicing capability as well as increased protection against lightning strikes.

Tortech’s CNT nonwoven products offer an opportunity for an extensive range of both military and civilian applications:

- Electrically and thermally conductive interlayer in carbon fiber composites for heat dissipation, localized heating (e.g., deicing), or as an impact sensor.
- EMI shielding that also acts as a heat sink.
- High-performance filters and membranes which significantly reduce bio-fouling problems for water purification.
- Remarkable Oil-Water separation solutions for the oil industry.
- Current collectors for flexible, lightweight Lithium-ion batteries.
- Passive and active thermal camouflage.
- Heat sinks and heating pads for aviation and industrial use.
- Health monitoring for composite materials.
- Antennas.

Tortech’s CNT mats non-woven offer a combination of unique properties such as high electrical and thermal conductivity, excellent EMI shielding, combined with low weight and chemical durability. They are easy to work with, making them ideal for a wide range of exciting new applications in the aerospace, energy, water tech and defense industries.

Innovating Nano Materials
Tortech Nano Fibers is developing a patented industrial process for the manufacture of ultra-long CNTs used for a wide range of commercial applications.

CNTs have been identified as the most rigid and strongest materials known today. Together with their remarkable electrical and thermal properties, light weight and other unique characteristics, they are changing the way materials are used to deliver enhanced performance in ever more demanding applications.

Pioneering the CNT Manufacturing Process
Tortech’s core technology is based on a novel, patented continuous manufacturing process. This technology enables the production of pure ultra-long CNT non-woven mats. Unlike commercially available CNT powders, which pose health hazards.