

Super Strength Composites ... When product reliability is critical !

Never Stand Still

NewSouth Innovations

Breakthroughs in carbon nanotube epoxy improve mechanical performance

The Technology is available under licence for FREE

UNSW researchers have developed an efficient lower cost method for manufacturing laminated composite structures for applications requiring the utmost in reliability and high performance.

Whether you're looking for the strongest building beam or the longest-life fuselage, this CNT based epoxy is ideal for critical applications, including medical prosthetics that require the high strength and stiffness.

Industry Applications

- Medical – Prosthetics
- Aircraft
- Aerospace
- Automotive
- Civil Engineering
- Transportation
- Sport and other recreational sector
- Naval Architecture and Defence

Key Benefits

- Cost effective
- Over 50% increase in mechanical properties
- Other material properties improved
- Less CNT filler loading
- Environmentally friendly.
- Ease of production – into bulk



The sonication procedure has been developed to disperse Carbon Nanotube in epoxy matrix that can improve mechanical performances significantly. This unique dispersion technique contributes to the improved mechanical performance.

The Opportunity

This technology is available for free as an Easy Access Licence to companies and individuals.



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