

NORTH AMERICA CARBON NANOTUBES (CNT) MARKET FORECAST 2017-2024

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Abstracts

KEY FINDINGS

The North America CNT market is expected to grow at a CAGR of 22.94% during the forecast period of 2017-2024 and experience an increase in revenue from \$400 million in 2016 to \$1957 million by 2024. An increase in the R&D to boost carbon nanotube market, decrease in production cost, a rise in the production capacities and multiple applications across various sectors are some of the drivers for the growth of the market.

MARKET INSIGHTS

On the basis of the end-user segmentation, the market is divided into four segments viz. electronics, automotive, aerospace /defense, and others. Due to the low density of CNT, the weight of aircraft and spaceship wiring is reduced by approximately 70%, and thus it is safe to say that the aerospace and defense is the fastest-growing sector of the CNT market. On the basis of product, the MWCNT equipment holds the largest share in the market as compared to the SWCNT. However, due to low cost and superior properties, the growth rate of SWCNT is predicted to increase during the forecast period. Although the market looks promising, it is facing some major issues such as difficulty in aligning CNT in chips, negative impact on the environment, efficiency problems, and other technological challenges which might restrict its future expansion.

COMPETITIVE INSIGHTS

Major companies involved in extensive R&D for developing newer technologies for carbon nanotube synthesis and their application are Carbon Solutions, Nanoshel Llc, Arry International Group Limited, Grafen Chemical Industries Limited, Shenzhen SUSN

Sinotech New Materials, Future Carbon GmbH, Raymor Industries Inc, Hanwha Nanotech Corporation, Nanocyl Sa, Cheap Tubes Inc, and Nanothinx Sa.

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