

Nanorobotics: Technologies and Global Markets

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Abstracts

Report Scope:

BCC Research's definition of nanorobots excludes microbes whose metabolic processes are used to manufacture various biofuels, enzymes, specialty and industrial chemicals, and bioplastics, as well as in pollution mitigation and hazardous waste disposal. Nanorobots potentially include both electromechanical devices and biological mechanisms that mimic the functioning of electromechanical machines. Nanobots do not yet exist, but when they do, their potential applications include molecular manufacturing (nano factories) and medical nanobots that steer autonomously through the bloodstream, making repairs and guarding against infection. The term "nanorobots" is widely applied to such microbes, and studies that estimate the near-term market for nanorobots in the billions of dollars are generally defining such microbial factories or waste remediation microbes as nanorobots. From this report's point of view, the relevant distinction is that nanorobots perform a discrete action or task, such as delivering a cancer drug to a targeted tumor. Microbial factories or waste mitigation microbes accomplish their purposes utilizing continuous metabolic or other processes.

Report Includes:

An overview of the global markets for nanorobotics technologies

Analyses of the global market trends, with corresponding data analysis from 2019, estimates for 2020, and projections of compound annual growth rates (CAGRs) through 2025

Highlights of the current and future market potential for nanorobotics along with a detailed analysis of the competitive environment, industry trends, drivers and opportunities

Estimation of the market size and forecasted data for nanorobotics, and market share analysis on the basis of application, technology type and end user industry, with major regions and countries involved

Company profiles of the market leading participants

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