

Microparticles Market estimated to reach US\$2.325 billion by 2030 at a CAGR of 10.25%

The global microparticles market is expected to grow at a CAGR of 10.25%, reaching a market size of US\$2.325 billion in 2030 from US\$1.427 billion in 2025.



NOIDA, UTTAR PRADESH, INDIA, December 24, 2024 /EINPresswire.com/ -- According to a new study published by Knowledge Sourcing Intelligence, the global [microparticles market](#) is projected to grow at a CAGR of 10.25% between 2025 and 2030 to reach US\$2.325 billion in 2030.

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Microparticles are solid particles made of synthetic or natural polymers, typically measuring 1–1000 µm. It can be created by distributing, entrapping, encapsulating, or suspending the active medication within a polymer matrix. This approach of drug and polymer encapsulation results in a more appropriate variation of microparticle type based on the drug to be encapsulated and the polymer used.

Furthermore, microparticles are microparticles with a high spherical surface-to-volume ratio that uniformly entrap the drug in the matrix. They can also be divided into solid and hollow forms. Magnetic microparticles, which have better-

targeted efficiency, have also been investigated for targeted drug delivery, notably magnetic-targeted chemotherapy.

Moreover, microparticles are increasingly being used in industries such as healthcare, construction, [paints and coatings](#), and cosmetics, which is driving market expansion. The market is spurred by the growth of these sectors. The more the medical field has progressed, the more microparticles are expected in modern [drug-delivery systems](#). As demand for microparticles increases in biopharmaceuticals, cancer treatment, and tissue engineering, growth in the market is estimated.

Microparticles are the means that bring medications closer to patients. It can take care of some of the expected problems in therapy while increasing the therapeutic efficacy of a particular

medicine. Materials used to make microparticles are often free-flowing powders made of naturally biodegradable synthetic polymers. Serious consideration is also given to targeting anticancer medicines to the tumour.

Access sample report or view details: <https://www.knowledge-sourcing.com/report/global-microparticles-market>

The global microparticles market is segmented by type into two major categories: Hollow and solid. The increasing use of lightweight insulating materials in aerospace, construction, and packaging has opened up avenues for hollow microparticles to expand rapidly due to the growing demand of their various end-use industries. However, the major growth propeller for hollow microparticles is the rising application in automotive parts and composites as lightweight fillers. The scope for the biodegradable and sustainable hollow microparticles, addressing several environmental concerns while extending the market reach, is evident. Emerging applications such as medical imaging, drug delivery, and energy storage have a scope that has not been exploited yet. However, recent trends focused on enhanced advancements in processing, increasing hollow microparticles' performance while reducing their costs. Research development is ongoing with the intent of producing hollow microparticles endowed with unique properties that suit industry-specific requirements.

The global microparticles market by material category is segmented into glass, polymer, ceramic, and fly ash. Metallic, and others. This is because of the increasing demand for glass microparticles in the manufacture of products such as paints, coatings, rubbers, plastics, and many other applications. Glass microparticles make them perfectly suitable for a variety of moulding and compounding processes with their non-density filling and excellent crush strength. Glass microparticles also help to reduce product weight due to their low density. All these factors, therefore, contribute to positive growth in this segment of the market.

The global microparticles market by application category is segmented into automotive, aerospace, cosmetics, oil and gas, paints and coatings, medical technology, composites, and others. These microparticles improve the textural results and viscosity of paints and coatings when utilized as additives. They enhance performance while not interfering with painting and varnishing application properties. They also allow for easy application and reduced weight in paints. Thereby increasing the demand for paints and coatings infused with microparticles in the construction and automobile industries.

Based on geography, the Asia Pacific region of the global microparticles market is growing significantly driven by rising urbanization and demand for innovative technologies across a wide range of sectors. China and India's pharmaceutical sectors are among the leading growth drivers, with increased investment in drug delivery systems and biotechnology research. For example, the overall market size of the Indian pharmaceutical sector is predicted to be US\$130 billion by 2030 and US\$450 billion by 2047. Furthermore, domestic automobile production is expected to exceed 35 million vehicles in China by 2025.

India's need for polyester resins, films, and fibres appears to be growing quickly because of the flourishing textile and packaging industries in the country that have spurred growth over the past few years. However, as India's pure terephthalic acid (PTA) production capacity expands, PTA will be increasingly used instead of DMT.

As a part of the report, the major players operating in the Global microparticles market that have been covered are, Evonik, Oakwood Labs, Cospheric, and Nuoryon. Bionity, lamFluidics, JSR Life Sciences, iSpheres, Diasorin, Sigma-Aldrich, Bangs Laboratories, Inc., Nagase America LLC.

The market analytics report segments the Global microparticles market as follows:

- By Type
 - o Hollow
 - o Solid
- By Material
 - o Glass
 - o Polymer
 - o Ceramic
 - o Fly Ash
 - o Metallic
 - o Others
- By Application
 - o Automotive
 - o Aerospace
 - o Cosmetics
 - o Oil and Gas
 - o Paints and Coatings
 - o Medical Technology
 - o Composites
 - o Others
- By Geography
 - o North America
 - o United States
 - o Canada

- o Mexico

- South America
 - o Brazil
 - o Argentina
 - o Rest of South America

- Europe
 - o United Kingdom
 - o Germany
 - o France
 - o Italy
 - o Spain
 - o Rest of Europe

- Middle East and Africa
 - o Saudi Arabia
 - o United Arab Emirates
 - o Rest of the Middle East and Africa

- Asia-Pacific
 - o China
 - o India
 - o Japan
 - o South Korea
 - o Taiwan
 - o Thailand
 - o Indonesia
 - o Rest of Asia-Pacific

Companies Profiled:

- Evonik
- Oakwood Labs
- Cospheric
- Nuoryon
- Bionity
- IamFluidics
- JSR Life Sciences

- iSpheres
- Diasorin
- Sigma-Aldrich
- Bangs Laboratories, Inc.
- Nagase America LLC

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