

Nano-Fiber Scaffold Market Size to Boost USD 1.2 billion By 2027 | CAGR 5.0% - IndustryARC

The increasing demand for silk as a natural polymer in tissue engineering drives the growth of the global Nano-Fiber Scaffold Market.

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IndustryARC, in its latest report, predicts that The global [Nano-Fiber Scaffold Market](#) size is estimated to reach US\$1.2 billion by 2027 and it is projected to grow at a CAGR of 5.0% from 2022-to 2027. The global nano-fiber scaffold market is segmented by material type, synthesis techniques, application, end-use industry, and geography. The global nano-fiber market has been divided into North America, Europe, Asia-Pacific, South America, and the rest of the world. The report offers a complete analysis of the market, its major segments, growth factors, trends, drivers and challengers, key players and more.



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<https://www.industryarc.com/Research/Global-Nano-Fiber-Scaffold-Industry-Market-Research-511886>

Key takeaways:

This IndustryARC report on the Nano-Fiber Scaffold Market highlights the following areas -

1. The Asia Pacific is the fastest-growing region in the global nano-fiber scaffold market. This growth is mainly attributed to the increased demand in the food industry sector.

2. The pharmaceutical sector is expected to be the significant segment owing to the surge in demand from the health care segment.
3. Global nano-fiber scaffold plays an important role in several industries, especially in tissue engineering and drug delivery which is expected to provide significant growth opportunity for the global market.

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Segmental Analysis:

1. The natural polymer segment held the largest share in the global nano-fiber scaffold market share of over 55% in 2021. Natural polymers are intrinsically bioactive, with cell-interactive domains on their backbones, and scaffolds made from them provide superior cell adhesion, proliferation, and differentiation to synthetic polymers.
2. The Asia Pacific is the leading region, accounts for the largest share in the global nano-fiber scaffold market in 2021 and held nearly 41% of the market share. Nanofiber membranes have proven to be a highly stable scaffold for bacteria biofilms.
3. The healthcare segment held the largest share in the global nano-fiber scaffold market share in 2021, and it accounts for around 35%. Owing to various benefits such as a large surface area to volume ratio, high porosity, superior loading capacity, simplicity of access, and cost-efficiency, electrospun nanofibers have a wide range of pharmaceutical applications in growth factor delivery and regenerative medicine.

Competitive Landscape:

The top 5 players in the Nano-Fiber Scaffold Industry are -

1. Ahlstrom Munksjö
2. Argonide Corporation
3. Asahi Kasei Corporation
4. Donaldson Company Inc.
5. DuPont de Nemours, Inc.

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