

Medical Textiles Market Set to Exceed USD 37.53 Billion by 2030, Fueled by Technological and Rising Healthcare Awareness

Medical Textiles Market Size was valued at USD 26.80 bn by the end of 2022 and is projected to reach USD 37.53 billion by 2030, CAGR of 4.3% during 2023-2030

AUSTIN, TEXAS, UNITED STATES,
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Medical Textiles Market Size was valued at USD 26.80 bn by the end of 2022 and is projected to reach USD 37.53 billion by 2030, CAGR of 4.3% during 2023-2030. The market is expected to grow significantly due to the increasing demand for medical textiles in the healthcare sector. The market is driven by the growing awareness of the importance of medical textiles in patient care and the increasing adoption of advanced medical textiles in various medical applications. The market is also expected to grow due to the increasing demand for medical textiles in the healthcare sector. The market is driven by the growing awareness of the importance of medical textiles in patient care and the increasing adoption of advanced medical textiles in various medical applications. The market is also expected to grow due to the increasing demand for medical textiles in the healthcare sector.

MEDICAL TEXTILES MARKET SIZE AND SHARE 2023-2030

USD 26.80 BN
IN 2022



CAGR OF 4.3%

USD 37.53 BN
BY 2030



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Medical Textiles Market Size was valued at USD 26.80 billion by the end of 2022 and is projected to reach USD 37.53 billion by 2030

The SNS Insider report indicates that the Medical Textiles Market Size was valued at USD 26.80 billion in 2022 and is expected to reach USD 37.53 billion by 2030, with a CAGR of 4.3% during 2023-2030.



The market valued at USD 26.80 bn by the conclusion of 2022, to achieve USD 37.53 billion by 2030. A key catalyst behind the market's expansion is the ongoing advancements in electronic technology"

SNS Insider Research

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For more information, visit <https://www.snsinsider.com/checkout/1484>

Medical Textiles Market Size was valued at USD 26.80 billion in 2022 and is expected to reach USD 37.53 billion by 2030, with a CAGR of 4.3% during 2023-2030.

- The global Medical Textiles market is propelled by continuous advancements in electronic technology, particularly in the miniaturization of components like controllers, sensors, and batteries. This facilitates seamless integration of electronics with textiles, driving market expansion.

expansion.

- Another significant driving force is the increasing demand for advanced devices equipped with diverse functionalities, such as responsiveness and sensing capabilities to environmental stimuli like thermal, magnetic, chemical, mechanical, and electrical factors.

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- The high cost associated with smart textiles is anticipated to impede the growth of the global Medical Textiles market. Compatibility issues also present a restraint, limiting the widespread adoption of these textiles.

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- Compatibility concerns with different electrical systems and smart textiles are widespread challenges, creating obstacles for key market participants and hindering the consistent growth of the global smart textile industry.

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- Medical smart textile companies are presenting promising opportunities across various industries, as these textiles find applications in sports, fitness, and medical domains. They can be utilized to monitor vital human body metrics like heart rate, calories, body temperature, and various health indicators. The applications extend beyond sports and fitness, as smart textiles are extensively used in the military to transmit crucial information to soldiers on the battlefield. The potential for diverse applications positions smart textiles as a valuable asset in the market.

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Medicinal textiles are fiber-based products crucial in medical settings, requiring biocompatibility, resistance to chemicals, durability, and antimicrobial properties. Used in orthopedic, cardiovascular, and soft tissue implant closure procedures, medical textiles are versatile and play a vital role in healing wounds, replacing organs, and protecting medical staff. The market growth is driven by increased awareness of healthcare offerings, a rise in healthcare procedures, and support from governments in the form of funding for non-implantable goods. The market growth is influenced by increased awareness of better healthcare services, a rise in healthcare procedures, growing chronic populations, awareness of new wound care technologies, and government support for funding non-implantable goods. Additionally, there is an increasing inclination toward high-performing medical textile products, providing new opportunities for market growth.

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The global medical textile market is witnessing a surge in demand, with the medical textile testing market estimated to grow at a significant CAGR. Key factors driving this growth include rising demand for medical textile products, technological developments, stringent quality and safety regulations, and increasing healthcare expenditure. However, barriers such as lack of awareness in developing countries and high testing costs pose challenges. The growing elderly population contributes to market expansion, with an increased number of knee and joint replacement surgeries.

Figure 1: Market Segments:

Non-Woven Segment: The non-woven segment dominates the market with exceptional properties such as high air permeability, superior strength-to-weight ratio, high bacterial resistance, and excellent water vapor transmission capacity. These properties drive the segment's strong growth, capturing a substantial global revenue share of 46% in 2022.

Healthcare and Hygiene Segment: The healthcare and hygiene segment dominates the global industry, encompassing diverse products like face masks, medical bags, gowns, shoe covers, wipes, bedsheets, maternity pads, incontinence pads, drapes, caps, and sanitary napkins.

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Figure 2: Market Segments:

Non-Woven Segment

- Surgical Gowns
- Operating Room Drapes
- Face Masks
- Sterilization Wraps
- Staff Uniforms
- Hospital Bedding & Curtains
- Wipes
- Other

Woven Segment

- Non-Woven
- Woven
- Knitted
- Other

Figure 3: Market Segments:

- Implantable Goods
- Non-Implantable Goods
- Healthcare & Hygiene Product
- Others

Figure 4: Market Segments:

Asia Pacific dominated the market with a revenue share of 37% in 2022, driven by new non-woven fabric manufacturing facilities and expanded production lines in countries like China, Japan, India, Australia, South Korea, and Thailand. North America is the second largest region in the medical textiles market due to increased awareness of new wound care technologies and a growing diabetic and aging population. Furthermore, In Europe, a rise in healthcare expenditure and the expansion of healthcare facilities contribute to market growth.

- Medical Textiles Market is projected to exceed USD 37.53 billion by 2030.
- Non-woven segment dominates the market with exceptional properties.
- Asia Pacific leads the market, fueled by new manufacturing facilities and expanded production lines.

- In March 2022, Asahi Kasei formed a strategic partnership with Genomatica, Inc., regarding hexamethylenediamine (HMD) based on biomass-derived raw material (bio-HMD).
- In May 2021, Munksjö introduced a new product portfolio offering fabrics for medical and civil use face masks, including biodegradable and compostable materials.

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