

Biotextiles Global Market - Forecast to 2023

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Abstracts

Biomedical textiles are one of the fastest growing fields in technical textile industry. Biomedical textiles can be categorized into two types i.e. Medical textiles and Biotextiles. Medical textiles market include products such as wound dressing, bandages, surgical dressing, medical clothing, barrier fabrics, protective clothing, surgical masks, sterile scrubs, etc. The BioTextiles are the textiles composed of synthetic or natural fibres designed specifically for implant procedures where there performance depends on biocompatibility and biostability with tissue and biological fluids. BioTextiles are used as implantable fabrics or as components of implantable devices. BioTextiles are used in applications such as surgical mesh, stent grafts, surgical sutures, hernia repair fabrics, artificial skin, heart patch, heart valves, artificial tendons & ligaments, cosmetic surgery, tissue engineering, neurovascular conduits, etc.

This report concentrates on biotextiles that are used as implants or components of implantable devices. The non-implant textiles or devices are not considered in biotextiles global market report.

The biotextiles market is classified based on manufacturing techniques, materials, applications and geography. By manufacturing technique, the market is segmented into woven textiles, non-woven textiles, braided textiles and knitted textiles. By materials, the market is segmented into Non-bioabsorbable textiles and Bioabsorbable textiles. By application, biotextiles market is segmented into cardiovascular, orthopedic, gynaecology & urology, general surgery and other applications.

The BioTextiles global market is expected to grow at mid single digit CAGR to reach \$7,390.4 million by 2023. Among the Biotextiles product by manufacturing technique, the braided textiles segment dominates the market by occupying a largest share and woven textiles segment is the fastest growing market from 2016 to 2023. In the BioTextiles applications, General surgery held XX% share in 2016 expected to grow at

a CAGR of X% to reach \$XX million by 2023. Cardiovascular segment is the fastest growing market with a strong CAGR of X% from 2016 to 2023.

The Biotextiles global market based on geography is divided into North America, Europe, Asia-Pacific and Rest of the world. North American region commanded the largest revenue of \$XX million in 2016 and expected to reach \$XX million by 2023 at a CAGR of X%. A high prevalence of cardiovascular diseases (such as heart failure, cardiogenic shock, dilated cardiomyopathy, ventricular insufficiency, Valvular heart disease, and congenital heart diseases), orthopaedic disorders, increase in minimally invasive surgeries, cosmetic surgeries, growth in aging population and shortage of heart donor organs led the market growth in this region. However, Asia-Pacific is expected to grow at a CAGR of X% to reach \$XX million by 2023 owing to the rapidly increasing aging population with high prevalence of cardiovascular diseases, orthopaedic diseases, improving healthcare infrastructure and rise in healthcare spending in the emerging countries, such as India and China.

The BioTextiles market is a highly fragmented market. Major players in BioTextiles market include ATEX Technologies, Inc. (U.S.), C.R.Bard, Inc. (U.S.), Confluent Medical Technologies (U.S.), Culzean Textile Solutions Ltd. (U.K.), Getinge Group (Maquet) (Sweden), J-Pac Medical (U.S.), Medtronic PLC (Ireland), Poly-Med, Inc. (U.S.), RUA Medical (U.K.), Terumo Corporation (vascutek) (Japan), U.S. Biodesign (U.S.), W.L. Gore & Associates Inc. (U.S.).

The report provides an in-depth market analysis of the above-mentioned segments across the following regions:

North America

U.S.

Others

Europe

Germany

U.K.

France

Others

Asia-Pacific

Japan

China

India

Others

Rest of the World (RoW)

Brazil

Rest of Latin America

Middle East & Others

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