

IQ4I Research & Consultancy published a new report on “BioTextiles Global Market – Forecast To 2023”

Biotextiles are made of natural fibres or synthetic fibres. Factors such as aging population, demand for MIS, investments in R&D are driving the market growth.

BOSTON, MASSACHUSETTS, U.S., September 11, 2017 /EINPresswire.com/ -- Biotextiles are structures composed of fibres that are fabricated by woven, knitted, braided or non-woven techniques.

Biotextiles are designed for use in specific biological environments where their performance depends on [biocompatibility](#) and [biostability](#) with cells and biological fluids. Biotextiles are used in implantable devices such as hernia repair fabrics, arterial grafts, artificial skin, artificial ligaments and tendons, parts of artificial hearts, surgical sutures, etc. The biotextiles can be derived from natural fibres or synthetic fibres, extruded from polymeric or metallic biomaterials and are very versatile products manufactured from bioabsorbable or non-bioabsorbable materials that can be customized into unique anatomical shapes and incorporate various drug coatings to hasten healing process and reduce potential complications. There are ideal options for creating bioabsorbable and drug eluting implant products in two dimensional or three dimensional forms in large number of configurations. An ideal biotextiles should possess properties like biocompatibility (non-toxic and non-carcinogenic), Biostability (chemically inert), Tribological properties (wear and corrosion resistant), etc.

According to IQ4I analysis, the [BioTextiles global market](#) is expected to grow at mid single digit



BioTextiles Global Market estimated to be worth \$7,390.4 million by 2023”
IQ4I Analyst

CAGR to reach \$7,390.4 million by 2023. The increasing aging population, increasing demand for minimally invasive procedures, increasing research and development investments, growing demand for plastic surgery, miniaturization of implant devices, advance technologies and reimbursements offered by Center for Medicare and Medicaid Services (CMS) are the factors driving the biotextiles global market. However, limitations of

biotextiles based products, stringent regulations imposed on biotextiles based products, and complications due to implant rejection, cytotoxicity, and corrosion of biotextiles implant are restraining the growth of biotextiles global market.

Biotextiles market by region is classified in to North America, Europe, Asia-Pacific and Rest of the World. Geographically, North American regions held the largest market share. North America



market is expected to show a strong growth due to the high advanced healthcare facilities, increasing ageing population, rapid adoption and awareness about the technological advancements, availability of Medicare and third party insurance facilities, easy availability of skilled personnel are driving the market growth. Europe region held the second largest market share. Asia-Pacific biotextiles market is expected to grow at a high single digit CAGR. Rest of the World biotextiles market is the second fastest growing region and expected to grow at a high single digit CAGR.

The biotextiles based on manufacturing techniques are classified as Woven Textiles, Non-Woven Textiles, Braided Textiles and Knitted Textiles. The Braided Textiles are dominating the market by occupying a largest share and woven textiles are expected to grow at a highest CAGR. The biotextiles based on materials are classified into Non-bioabsorbable textiles and Bioabsorbable textiles. The Non-bioabsorbable textiles dominated the market by occupying largest share and Bioabsorbable textiles are expected to grow at a highest CAGR.

The biotextiles based on applications are segmented as Cardiovascular, Orthopedic, Gynaecology & Urology, General Surgery and Other Applications. Among these, General Surgery applications are dominating the biotextiles market by occupying a largest share and cardiovascular applications are expected to grow at a highest CAGR.

Rise in demand for cardiovascular and orthopedic products is encouraging implant device manufacturing companies to invest more in research and development and launch new products. Miniaturization of implant devices and increasing minimally invasive surgery, technological advancements in fibres and fabrication methods and increasing use of bioabsorbable textiles are contributing to the biotextiles market growth. However, stringent and complex regulatory procedures and high cost of surgical procedures are restraining the market growth.

Some of the major companies operating in the biotextiles market are 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.).

Mr. Sattish Biruddukota
IQ4I Research & Consultancy Pvt Ltd.,
+91-80-60500229
[email us here](#)

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