

# **Global 3D Fabric Market Size study & Forecast, by Type (Woven, Orthogonal Nonwoven), By Application (Construction, Industrial, Military, Consumer Goods, Others) and Regional Analysis, 2022-2029**

<https://marketpublishers.com/r/G73D4A6278D3EN.html>

Date: April 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G73D4A6278D3EN

## **Abstracts**

Global 3D Fabric Market is valued at approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2029. 3D Fabric can be defined as a combination of three orthogonal yarns. Moreover, Two-dimensional fabrics are made by combining two orthogonal yarns, whereas three-dimensional fabrics are made with three orthogonal yarns. Although 1 shedding mechanism is used for 2D fabric weaving, 2 shedding mechanism is used for 3D fabric weaving. In the case of 3D fabrics, there are two separate layers of fabric that are joined together by microfilament. This space in the middle is usually formed by a monofilament of polyester. 3D-Fabrics are used in the making of protective clothing. Additionally, spacer fabric used in various fields of textiles is made with 3D fabric. The increasing utilization of protective clothing & equipment and growing adoption in composite sector and medical textile Industry are key factors driving the market growth.

The increasing demand for protective clothing and equipment is contributing towards the growth of the Global 3D Fabric Market. For instance – as per Statista – in 2019, the worldwide Protective clothing market was valued at USD 8.8 billion, and it further reached USD 9.95 billion in 2021. Also, growing expansion of construction industry and rising urbanization coupled with increasing disposable income would create a lucrative growth prospectus for the market over the forecast period. However, the high cost of 3D Fabric stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global 3D Fabric Market study include Asia Pacific,

North America, Europe, Latin America, and Rest of the World. North America dominated the market in terms of revenue, owing to the surge in protective clothing market as well as presence of leading market players in the region. Whereas Asia Pacific is expected to grow with the highest CAGR during the forecast period, owing to factors such as rising demand for 3d fabric as well as growing expansion of space and aerospace industry in the region.

Major market players included in this report are:

Sigmatex

Textum Inc

Cetriko S.L.

Cristex

Sculpteo

Texinov

Nikol

Møller Textile Group

Stubli International AG

Karl Mayer Stoll

Recent Developments in the Market:

In April 2022, Swedish company Biteam AB announced its new company 3D Noodles International AB based in Stockholm, Sweden. The new company specializes in producing the “triangular” cross-section 3D fabric called noodles or gusset fillers. 3D Noodles International AB under its portfolio would offer a variety of ready-to-implement forms of carbon, ceramic, and other fiber 3D fabric noodles produced with Biteam’s 3D weaving technology.

Global 3D Fabric Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Type, Application, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst’s working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in

recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

#### By Type

Woven

Orthogonal Nonwoven

#### By Application

Construction

Industrial

Military

Consumer Goods

Others

#### By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

RoLA

Rest of the World

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