

Spider Silk Market, Global Outlook and Forecast 2022-2028

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Abstracts

Spider silk is among the strongest known biomaterials. It is the silk used for the framework of the web and it is used to catch the spider if it falls. As such, it is stronger and much more flexible than KEVLAR®. Due to its incredible mechanical properties, spider silk is being considered for use as a new biomaterial for drug delivery and tendon and ligament replacement/repair, as well as athletic gear, military applications, airbags, and tire cords. However, spiders cannot be farmed for their silk as they are cannibalistic and territorial. The most reasonable alternative for producing spider silk fibers is to utilize genetic engineering to produce the proteins in a foreign host and then spin fibers from the synthetic protein. Mainly Artificial spider silk market in this report.

This report contains market size and forecasts of Spider Silk in global, including the following market information:

Global Spider Silk Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Spider Silk Market Sales, 2017-2022, 2023-2028, (Kg)

Global top five Spider Silk companies in 2021 (%)

The global Spider Silk market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Genetically Modified Yeast Fermentation Segment to Reach \$ Million by 2028, with a %

CAGR in next six years.

The global key manufacturers of Spider Silk include Bolt Threads, Kraig Biocraft Laboratories, Spiber and AMSilk, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Spider Silk manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Spider Silk Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (Kg)

Global Spider Silk Market Segment Percentages, by Type, 2021 (%)

Genetically Modified Yeast Fermentation

Genetically Modified Silkworm

Genetically Modified E. Coli Fermentation

Others

Global Spider Silk Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (Kg)

Global Spider Silk Market Segment Percentages, by Application, 2021 (%)

Automobile

Textile

Health Care

Military

Others

Global Spider Silk Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (Kg)

Global Spider Silk Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Spider Silk revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Spider Silk revenues share in global market, 2021 (%)

Key companies Spider Silk sales in global market, 2017-2022 (Estimated), (Kg)

Key companies Spider Silk sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Bolt Threads

Kraig Biocraft Laboratories

Spiber

AMSilk

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