

# Global and United States Synthetic Spider Silk Market Research by Company, Type & Application 2013-2025

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## Abstracts

### SUMMARY

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.

Market Segment as follows:

#### By Type

Genetically Modified Yeast Fermentation

Genetically Modified Silkworm

Genetically Modified E. Coli Fermentation

#### By Application

Automobile

Textile

Health Care

Military

Others

By Company

Bolt Threads

Kraig Biocraft Laboratories

Spiber

AMSilk

The main contents of the report including:

Section 1:

Product definition, type and application, global and United States market overview;

Section 2:

Global and United States Market competition by company;

Section 3:

Global and United States sales revenue, volume and price by type;

Section 4:

Global and United States sales revenue, volume and price by application;

Section 5:

United States export and import;

Section 6:

Company information, business overview, sales data and product specifications;

Section 7:

Industry chain and raw materials;

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