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Global Carbon–Carbon Composite Throat Liners for Missiles Market Growth 2026-2032

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Abstracts

The global Carbon–Carbon Composite Throat Liners for Missiles market size is predicted to grow from US$ 36.03 million in 2025 to US$ 87.99 million in 2032; it is expected to grow at a CAGR of 13.9% from 2026 to 2032.

Carbon–carbon composite throat liners for missiles are high-temperature structural components made of carbon fiber reinforced carbon matrix, widely used in the nozzle throats of solid rocket motors that operate under extreme erosion, short pulses, or high specific impulse conditions. These liners exhibit exceptional heat resistance and ablation resistance, dissipating thermal energy through controlled ablation while protecting the structure and maintaining throat geometry. In 2024, global carbon–carbon composite throat liners sales volume reached approximately 2,960 units , with an average global market price of around k US$ 10.73 per unit. The main upstream raw materials cover carbon–carbon compsite substrate or carbon–carbon preform.

United States market for Carbon–Carbon Composite Throat Liners for Missiles is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Carbon–Carbon Composite Throat Liners for Missiles is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Carbon–Carbon Composite Throat Liners for Missiles is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

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Global key Carbon–Carbon Composite Throat Liners for Missiles players cover Northrop Grumman (Thiokol), L3Harris Technologies, China Aerospace Science and Technology Corporation, ArianeGroup, NPO Mashinostroyeniya, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

Report Scope

LP Information, Inc. (LPI) ' newest research report, the “Carbon–Carbon Composite Throat Liners for Missiles Industry Forecast” looks at past sales and reviews total world Carbon–Carbon Composite Throat Liners for Missiles sales in 2025, providing a comprehensive analysis by region and market sector of projected Carbon–Carbon Composite Throat Liners for Missiles sales for 2026 through 2032. With Carbon–Carbon Composite Throat Liners for Missiles sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Carbon–Carbon Composite Throat Liners for Missiles industry.

This Insight Report provides a comprehensive analysis of the global Carbon–Carbon Composite Throat Liners for Missiles landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Carbon–Carbon Composite Throat Liners for Missiles portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique position in an accelerating global Carbon–Carbon Composite Throat Liners for Missiles market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Carbon–Carbon Composite Throat Liners for Missiles and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Carbon–Carbon Composite Throat Liners for Missiles.

This report presents a comprehensive overview, market shares, and growth opportunities of Carbon–Carbon Composite Throat Liners for Missiles market by product type, application, key manufacturers and key regions and countries.

Market Segmentation

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Segmentation by Type:

Integral Carbon Felt Type

Multidirectional Woven Type

Segmentation by Application:

Intercontinental Missiles

Short-range Missiles

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

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India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Northrop Grumman (Thiokol)

L3Harris Technologies

China Aerospace Science and Technology Corporation

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ArianeGroup

NPO Mashinostroyeniya

Shaanxi Zhongtian Rocket Technology

Hunan Boyun New Materials

Yuzhnoye SDO

Deyi Hi Tech (Hangzhou) Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Carbon–Carbon Composite Throat Liners for Missiles market?

What factors are driving Carbon–Carbon Composite Throat Liners for Missiles market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Carbon–Carbon Composite Throat Liners for Missiles market opportunities vary by end market size?

How does Carbon–Carbon Composite Throat Liners for Missiles break out by Type, by Application?

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