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Aerospace Fasteners Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

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Abstracts

The Global Aerospace Fasteners Market was valued at USD 7.3 billion in 2024 and is estimated to grow at a CAGR of 7.5% to reach USD 14.9 billion by 2034. This robust growth trajectory is closely tied to the rapid expansion of commercial airline fleets and the continuous upgrades in military aviation infrastructure. Rising air travel demand across emerging economies, coupled with increasing investments in national defense, is fueling the replacement of outdated aircraft components with newer, lightweight, and high-performance alternatives. The growing importance of fuel efficiency and durability has placed aerospace fasteners at the center of innovation in structural component manufacturing, making them essential in both OEM assembly and aftermarket servicing.

The global trade landscape has had a significant influence on this market. Previous tariffs targeting imported aerospace-grade aluminum and steel - especially those from China - led to elevated raw material costs and constrained access to essential components. These disruptions forced US-based manufacturers to rethink sourcing strategies, with many turning to domestic suppliers or diversifying vendor portfolios to minimize risk. These actions aimed to offset cost pressures while maintaining delivery timelines in a tightly scheduled manufacturing ecosystem. With an ongoing shift toward lightweight design and enhanced structural reliability, manufacturers are focusing on fasteners that can work seamlessly with composite materials.

The rivets segment generated USD 3.1 billion in 2024. Rivets maintain dominance due to their essential role in delivering lightweight yet durable joints that are critical in maintaining airframe integrity. These fasteners are widely used in commercial aircraft production, particularly for high-vibration, load-bearing areas such as wings and fuselages. Advances in rivet installation - particularly blind rivet technology - have

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further increased efficiency and reliability, making them indispensable across both OEM manufacturing and ongoing maintenance operations.

Aluminum segment in the aerospace fasteners segment in 2024, valued at USD 2.8 billion. Its popularity stems from a superior strength-to-weight ratio, corrosion resistance, and cost-effectiveness, making it the material of choice for reducing aircraft mass and improving fuel economy. As aircraft designs increasingly focus on weight reduction, demand for aluminum fasteners continues to climb, particularly in non-critical structural applications and interior components. Enhanced aluminum alloy formulations are also boosting material compatibility with modern composite structures, driving adoption across both manufacturing and servicing divisions.

United States Aerospace Fasteners Market generated USD 2.3 billion in 2024. The country's dominance can be traced to its position as a global aerospace hub, home to leading manufacturers across commercial and defense aviation. Major players in this space continue to fuel domestic demand with both ongoing fleet maintenance and the integration of next-generation systems. The U.S. also hosts one of the world’s most comprehensive MRO networks, supporting regular service cycles and system upgrades for large civilian and military fleets. Rising defense expenditures, focused on strategic air capabilities such as next-gen bombers and hypersonic aircraft, have intensified demand for specialized fasteners made from titanium alloys, high-temperature Inconel, and carbon-based composites.

Key players actively shaping the Aerospace Fasteners Market include TriMas Corporation, Boeing, LISI Aerospace, Wurth Group, B&B Specialties Inc., Cherry Aerospace, Precision Castparts Corp., National Aerospace Fasteners Corporation, Preci-Manufacturing, Stanley Black & Decker Inc., M.S Aerospace, B?llhoff Group, and Howmet Aerospace Inc. To enhance their competitive edge, companies in the aerospace fasteners industry are adopting several key strategies. They’re investing heavily in R&D to develop lighter, corrosion-resistant fasteners that perform reliably under extreme conditions. Strategic collaborations with aircraft OEMs help ensure early integration into new platform designs. Additionally, firms are focusing on supply chain optimization through localized manufacturing and digital procurement systems to minimize disruptions.

Companies Mentioned

B&B Specialties Inc., Boeing, B?llhoff Group, Cherry Aerospace, Howmet Aerospace Inc., LISI Aerospace, M.S Aerospace, National Aerospace Fasteners Corporation, Preci-

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Manufacturing, Precision Castparts Corp., Stanley Black & Decker, Inc., TriMas Corporation, Wurth Group

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Contents

Report Content

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CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

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CHAPTER 8 MARKET ESTIMATES AND FORECAST, BY APPLICATION, 2021 – 2034 (USD MILLION & MILLION UNITS)

CHAPTER 9 MARKET ESTIMATES AND FORECAST, BY END USE, 2021 – 2034 (USD MILLION & MILLION UNITS)

CHAPTER 10 MARKET ESTIMATES AND FORECAST, BY REGION, 2021 – 2034 (USD MILLION & MILLION UNITS)

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CHAPTER 11 COMPANY PROFILES

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