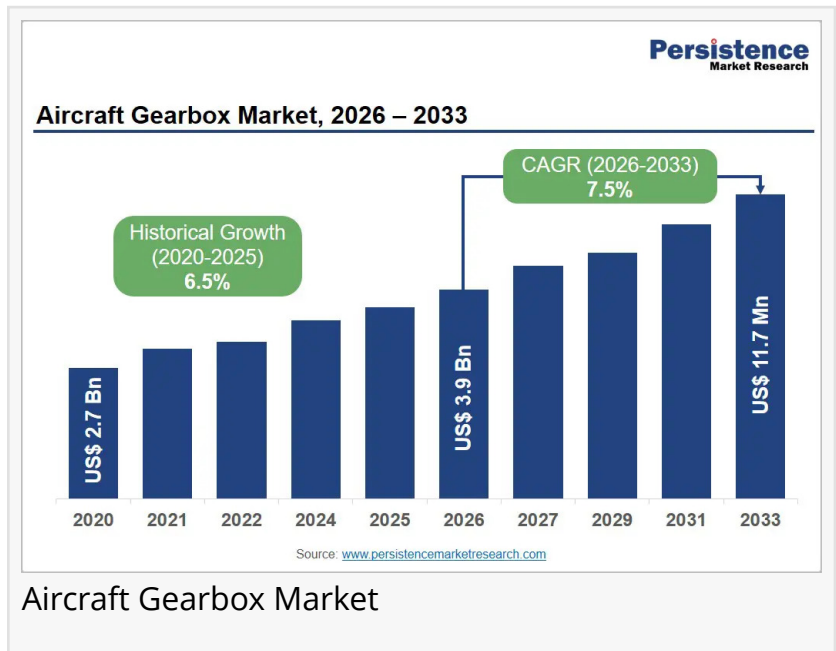


# Aircraft Gearbox Market to Reach US\$ 11.7 Billion by 2033, Growing at a CAGR of 7.5% During 2026–2033

*Aircraft gearbox industry poised for strong growth through 2033, driven by aircraft modernization, advanced aerospace technologies, and rising aviation demand*

LONDON, UNITED KINGDOM, July 14, 2026 /EINPresswire.com/ -- The global [aircraft gearbox market](#) is witnessing strong growth due to increasing aircraft production, rising air passenger traffic, and continuous advancements in aerospace technologies. Aircraft gearboxes are critical components that ensure efficient power transmission between aircraft engines and essential systems, supporting safe and reliable flight operations. According to Persistence Market Research, the global aircraft gearbox market is valued at US\$3.9 Bn in 2026 and is projected to reach US\$11.7 Bn by 2033, expanding at a CAGR of 7.5% during the forecast period from 2026 to 2033.



The market is also benefiting from increasing focus on aircraft efficiency, fuel optimization, and lightweight component development. The gear product segment leads the market with a 45% share owing to its extensive use across aircraft transmission systems. Accessory gearboxes account for the largest application share at 38%, supported by their essential role in powering aircraft accessories and auxiliary systems. North America dominates the global market with a 35% share due to its strong aerospace manufacturing base, presence of leading aircraft manufacturers, and significant defense and commercial aviation investments.

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Quick Stats

- Historical Market Value (2020): US\$2.7 Bn
- Current Market Value (2026): US\$3.9 Bn
- Projected Market Value (2033): US\$11.7 Bn
- CAGR (2026-2033): 7.5%
- Incremental Opportunity: US\$7.8 Bn
- Leading Region: North America, 35% share
- Dominant Application: Accessory Gearbox, 38% share
- Top-ranking Product: Gear, 45% share

## Market Segmentation

### By Component

- Gear
- Housing
- Bearing
- Others

### By Platform

- Commercial
- Civil
- Military

### By Gearbox Type

- Accessory Gearboxes
- Reduction Gearboxes
- Actuation Gearboxes
- Tail Rotor Gearboxes
- Auxiliary Power Unit (APU) Gearboxes
- Others

### By End-User

- OEM (Original Equipment Manufacturer)
- MRO (Maintenance, Repair & Overhaul)
- Others

### By Region

- North America
- Europe

- East Asia
- South Asia and Oceania
- Latin America
- Middle East and Africa

## Report Highlights

- Market Forecast and Trends
- Competitive Intelligence & Share Analysis
- Growth Factors and Challenges
- Strategic Growth Initiatives
- Pricing Analysis & Technology Roadmap
- Future Opportunities and Revenue Pockets
- Market Analysis Tools

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## Regional Insights

### North America

North America leads the global aircraft gearbox market with a 35% share. The region benefits from a well-established aerospace manufacturing ecosystem, strong defense spending, and the presence of major aircraft and component manufacturers. Continued investments in commercial aviation and advanced aerospace technologies are supporting steady market growth.

### Europe

Europe remains a significant market supported by advanced aerospace engineering capabilities and increasing investments in aircraft modernization. Aircraft manufacturers and aerospace suppliers continue focusing on improving gearbox efficiency, durability, and performance to support evolving aviation requirements across both commercial and military sectors.

### Asia Pacific

Asia Pacific is emerging as an important growth region due to expanding aviation infrastructure, increasing aircraft deliveries, and rising investments in aerospace manufacturing. Growing commercial aviation activities and fleet expansion across developing economies are expected to generate significant opportunities for aircraft gearbox manufacturers during the forecast period.

## Market Drivers

One of the major drivers of the aircraft gearbox market is the continuous increase in global aircraft production to meet rising passenger and cargo transportation demand. Airlines are expanding their fleets while aircraft manufacturers continue introducing advanced aircraft platforms that require highly efficient gearbox systems. Another important growth factor is the increasing emphasis on fuel efficiency and aircraft performance. Modern gearbox systems help optimize engine performance and improve operational reliability while reducing maintenance requirements. Advancements in lightweight materials and precision engineering are also encouraging manufacturers to develop next-generation aircraft gearbox solutions capable of supporting higher efficiency and improved operational safety.

## Market Opportunities

The market offers substantial opportunities through increasing investments in next-generation aircraft programs and fleet modernization initiatives. Growing demand for fuel-efficient aircraft and advanced propulsion technologies is expected to increase the adoption of high-performance gearbox systems. Additional opportunities are emerging from expanding commercial aviation networks and increasing defense aircraft procurement worldwide. Rising demand for technologically advanced aircraft systems, combined with continuous aerospace research and development activities, is expected to support sustained market expansion. The projected US\$7.8 Bn incremental opportunity further highlights the attractive growth potential for market participants through 2033.

## Companies Covered in Aircraft Gearbox Market

- Safran Transmission Systems
- Parker Hannifin Corporation - Aerospace Systems Division
- Rolls-Royce Holdings plc
- Liebherr Aerospace
- Triumph Group, Inc.
- Eaton Aerospace (Eaton Corporation)
- Moog Inc.
- Raytheon Technologies - Collins Aerospace
- GE Aerospace (General Electric)
- Kawasaki Heavy Industries
- Mitsubishi Heavy Industries (MHI)
- Hindustan Aeronautics Limited (HAL)
- Leonardo S.p.A. (AgustaWestland)

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## FAQ's

□ What are the main factors influencing the Aircraft Gearbox Market?

Growing aircraft production, fleet modernization, and demand for efficient transmission systems are the primary growth factors.

□ Which companies are the major sources in this industry?

Major companies include Safran Transmission Systems, Rolls-Royce Holdings plc, GE Aerospace, Parker Hannifin Corporation, and Liebherr Aerospace.

□ What are the market's opportunities, risks, and general structure?

The market offers opportunities through aircraft modernization while facing challenges from high development costs and stringent certification requirements.

□ Which of the top Aircraft Gearbox Market companies compare in terms of sales, revenue, and prices?

Leading companies include Safran Transmission Systems, GE Aerospace, Rolls-Royce Holdings plc, Collins Aerospace, and Eaton Aerospace.

□ What does a business area's assessment of agreements, income, and value implicate?

It helps evaluate market growth potential, competitive positioning, investment opportunities, and future business expansion across the aircraft gearbox industry.

### Future Opportunities and Growth Prospects

The aircraft gearbox market is expected to experience significant expansion through 2033, driven by increasing aircraft production, continuous aerospace innovation, and rising demand for efficient transmission technologies. Growing investments in commercial aviation, defense modernization, and advanced gearbox engineering are expected to create substantial opportunities for manufacturers, supported by the projected market value of US\$11.7 Bn and an incremental opportunity of US\$7.8 Bn during the forecast period.

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