

Aircraft Landing Gear Systems Market Size & Share Analysis - Growth Trends and Forecast (2026 - 2031)

> ****Industry:**** Commercial Aviation & Avionics (Aerospace & Defense)
> ****Source:**** <https://www.mordorintelligence.com/industry-reports/aircraft-landing-gear-systems-market>
> ****Scraped Date:**** 2026-09-17

Executive Market Summary

Market Metric	Details
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Base Market Size	USD 12.76 billion
Projected Forecast (2031)	USD 12.76 billion
Growth Rate (CAGR)	7.62 %
Largest Market Region	N/A
Fastest-Growing Region	N/A

Market Visualizations & Infographics

![Major players in Aircraft Landing Gear Systems industry](images/chart_2.png)

![Aircraft Landing Gear Systems Market Size](images/chart_3.png)

![Aircraft Landing Gear Systems Market Share by Aircraft Type, 2025](images/chart_4.png)

![Aircraft Landing Gear Systems Market Share by Material, 2025](images/chart_5.png)

![Aircraft Landing Gear Systems Market Growth Rate by Region](images/chart_6.png)

![Aircraft Landing Gear Systems Market Concentration](images/chart_7.png)

![Icon](images/chart_8.png)

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Comprehensive Research Analysis

Overview Points List Flex 49 Share Feature End

Market Overview	Study Period 2019 - 2031
Market Size (2026)	USD 12.76 Billion
Market Size (2031)	USD 18.42 Billion
Growth Rate (2026 - 2031)	7.62 %
Fastest Growing Market	South America
Largest Market	Asia Pacific
Market Concentration	Medium

Major Players*Disclaimer: Major Players sorted in no particular order

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Market Overview

Aircraft Landing Gear Systems Market Analysis by Mordor IntelligenceThe aircraft landing gear systems market size is expected to grow from USD 11.82 billion in 2025 to USD 12.76 billion in 2026 and is forecasted to reach USD 18.42 billion by 2031 at a 7.62% CAGR over 2026-2031. Composite struts, electromechanical actuation, and sensor-rich assemblies are transitioning from prototypes to high-rate production, providing suppliers with a path to premium pricing on narrow-body and military platforms. Demand is amplified by a production backlog exceeding 17,000 commercial jets, with Airbus and Boeing targeting a combined 1,200 single-aisle deliveries in 2026, each shipset valued at USD 1.5 million to USD 2.0 million. Defense programs add resiliency: F-35, F-15EX, and tanker replacements require ruggedized gear that tolerates rough-field operations and stealth-driven packaging constraints. Urban air mobility (UAM) platforms from Joby and Archer are expected to enter low-rate production in 2026, creating a niche for additive-manufactured titanium components that reduce lead times from 12 months to six weeks. Finally, digital-twin maintenance platforms, led by Safran, Collins, and Honeywell, reduce unscheduled removals by 25% and reshape aftermarket economics toward condition-based overhaul models.

Key Report Takeaways* By aircraft type, commercial aviation held 40.21% of the aircraft landing gear systems market share in 2025, while military aviation recorded the fastest growth at an 11.56% CAGR through 2031.

* By gear position, main assemblies commanded a 72.78% revenue share in 2025 and are projected to expand at a 10.43% CAGR through 2031.

* By material, composites accounted for 13.76% of the aircraft landing gear systems market size in 2025 and are set to grow at a 13.76% CAGR between 2026 and 2031.

* By end user, OEM channels captured 63.65% revenue share in 2025, whereas the aftermarket segment is projected to post an 8.78% CAGR to 2031.

* By subsystems, the structural system commanded 43.67% of the aircraft landing gear systems market size in 2025, while actuation systems are growing at a 11.56% CAGR through 2031.

* By geography, Asia-Pacific led with a 34.56% share in 2025; South America is forecasted to register the highest 14.29% CAGR through 2031.

Key Market Trends

Market Trends and InsightsDrivers Impact Analysis of Aircraft Landing Gear Systems Market*Driver | (~) % Impact on CAGR Forecast | Geographic Relevance | Impact Timeline |

Commercial aircraft production ramp-ups post-2025 | +2.10% | Global; concentrated in APAC and North America | Short term (≤ 2 years) |

Lightweight-materials demand surge | +1.80% | Global; APAC; North America | Medium term (2-4 years) |

OEM push for electric/hydraulic-free eBrake systems | +1.20% | North America & Europe; spillover to APAC | Long term (≥ 4 years) |

Digital twin-enabled predictive maintenance | +1.00% | Global; early adoption in North America and Europe | Medium term (2-4 years) |

MRO outsourcing and exchange-service adoption | +0.90% | Global; mature markets in North America and Europe | Medium term (2-4 years) |

Urban air mobility (eVTOL/air-taxi) landing-gear volumes | +0.70% | North America; Europe; select APAC cities | Long term (≥ 4 years) |

Source: Mordor Intelligence |

Competitive Landscape

Competitive Landscape

Safran SA, Collins Aerospace (RTX Corporation), and Liebherr Group control a significant portion of the global sales market. Safran manages over 1,000 exchange shipsets, promising a 24-hour turnaround that independents cannot match without a USD 300 million inventory. Collins cross-sells avionics and actuation, lowering integration costs and locking OEMs into bundled contracts. Liebherr secured a sole-source position on China's C919 through a joint venture in Changsha, ensuring compliance with local content requirements.

White-space opportunities cluster around UAM and additive manufacturing. GKN and GE Additive supply 3D-printed titanium struts for Joby's air taxi, cutting lead times from 12 months to six weeks. Independent MROs face shrinking margins, yet retrofit kits, such as carbon-ceramic brakes for 737NG fleets, offer a USD 700 million addressable niche. Data analytics firms like Uptake partner with regional shops to offer vendor-agnostic predictive maintenance, challenging OEM platforms.

Aircraft Landing Gear Systems Industry Leaders* Safran SA

- * Honeywell International Inc.
- * Collins Aerospace (RTX Corporation)
- * Liebherr Group
- * Héroux-Devtek Inc.

* *Disclaimer: Major Players sorted in no particular order
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Scope Methodology P Space

This market covers the revenue generated from aircraft landing gear systems that help an aircraft take off, land, taxi, and stop safely, including main and nose gear assemblies and their core mechanical and control sub-systems.

Scope exclusions: Excludes retrofit-only conversions and unrelated aircraft subsystems (such as avionics, engines, or cabin systems) to avoid overlap and double counting.

Segmentation Container

- * By Aircraft Type* Commercial Aviation* Narrowbody Aircraft
- * Widebody Aircraft
- * Regional Aircraft
- * Military Aviation* Combat Aircraft
- * Non-Combat Aircraft
- * Helicopters
- * General Aviation* Business Jets
- * Turboprop Aircraft
- * Piston Aircraft
- * Helicopters
- * By Gear Position* Nose Landing Gear
- * Main/Undercarriage Landing Gear
- * By Material* High-Strength Steel Alloys
- * Titanium Alloys

- * Composites (CFRP/GFRP)
- * Aluminum Alloys
- * By End User* Original Equipment Manufacturer (OEM)
- * Maintenance, Repair, and Overhaul (MRO)
- * By Subsystem* Actuation System
- * Steering System
- * Braking System
- * Structural System
- * Other Sub-Systems
- * By Geography* North America* United States
- * Canada
- * Mexico
- * Europe* United Kingdom
- * France
- * Germany
- * Spain
- * Russia
- * Rest of Europe
- * Asia-Pacific* China
- * India
- * Japan
- * South Korea
- * Rest of Asia-Pacific
- * South America* Brazil
- * Rest of South America
- * Middle East and Africa* Middle East* United Arab Emirates
- * Saudi Arabia
- * Egypt
- * Rest of Middle East
- * Africa* South Africa
- * Rest of Africa

Frequently Asked Questions

What is the 2026 size of the aircraft landing gear systems market and its expected CAGR through 2031?

The aircraft landing gear systems market size is USD 12.76 billion in 2026 and is projected to reach USD 18.42 billion by 2031, reflecting a 7.62% CAGR over the forecast period.

Which sub-system category is forecast to expand the quickest by 2031?

Actuation systems lead with an 11.56% CAGR thanks to rapid adoption of electromechanical actuators.

Why are electromechanical actuators overtaking hydraulic units?

They remove 50 pounds of fluid, cut maintenance intervals from 8,000 to 12,000 flight hours, and deliver 15% weight savings validated in 2024 trials.

Which region is expected to log the highest growth to 2031?

South America posts a 14.29% CAGR, outperforming all other geographies on the ba

ck of Embraer E2 deliveries and regional-connectivity programs.

How do composite materials influence landing-gear weight and upkeep costs?

Carbon-fiber struts trim up to 30% mass and can lower lifetime fuel burn by roughly USD 200,000 per widebody while extending overhaul intervals.

Who currently controls the largest share of global revenue?

Safran Landing Systems, Collins Aerospace, and Liebherr together account for a significant share of global revenue.

In what way does predictive maintenance reduce unscheduled removals?

Sensor-rich digital twins warn of failures 30–60 days early, allowing airlines to cut unexpected gear removals by around 25%.