+357 96 030922
info@marketpublishers.com

Aircraft Landing Gear Repair Overhaul Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Aircraft Type (Fixed-Wing, Rotary-Wing), By Component Type (Landing Gear Steering System, Actuation System, Others), By Application Type (Commercial, Military), By Region & Competition, 2021-2031F

https://marketpublishers.com/r/A0E7C3590BF0EN.html
Date: January 2026
Pages: 181
Price: US$ 4,500.00 (Single User License)
ID: A0E7C3590BF0EN

Abstracts

The Global Aircraft Landing Gear Repair Overhaul Market is projected to expand from USD 1.93 Billion in 2025 to USD 2.73 Billion by 2031, registering a CAGR of 5.95%. This sector involves the systematic inspection, refurbishment, and validation of undercarriage components to maintain strict airworthiness certification compliance. Growth is primarily fuelled by the rapid enlargement of the global commercial fleet and mandatory regulatory maintenance schedules that prescribe service intervals irrespective of economic factors. Furthermore, the increasing number of aging aircraft compels operators to undertake extensive life-cycle extension initiatives, necessitating substantial investments in heavy maintenance to ensure continued operational reliability.

Conversely, a major obstacle to market growth is the enduring fragility of the global supply chain, which leads to delays in procuring raw materials and replacement parts. These disruptions frequently prolong project turnaround times and escalate operational costs for service providers. As noted by the Aeronautical Repair Station Association, the international civil aviation maintenance market exceeded $100 billion in direct annual spending in 2024, emphasizing the significant economic scale of these critical services despite persisting logistical challenges.

+357 96 030922
info@marketpublishers.com

Market Driver

The recovery of global air passenger traffic and the resulting rise in flight frequency serve as the main drivers for the landing gear repair and overhaul industry. Unlike many airframe components that are tracked by flight hours, landing gear maintenance is primarily dictated by flight cycles, defined as one takeoff and one landing. As airlines increase utilization to satisfy returned demand, cycle accumulation speeds up, requiring more frequent overhaul sessions and component replacements to ensure airworthiness. According to the International Air Transport Association's 'May 2024 Air Passenger Market Analysis' published in July 2024, total revenue passenger kilometers rose by 10.7 percent compared to the same month in 2023. This increase in operational tempo leads directly to a higher volume of landing gear entering repair shops, as operators must strictly follow cycle-limited thresholds set by safety regulators.

Simultaneously, the continued operation and growth of aging military and commercial aircraft fleets significantly boost the demand for heavy maintenance services. Supply chain limitations that delay the delivery of new platforms have forced operators to prolong the service life of current assets, leading to a reliance on legacy landing gear systems that need extensive refurbishment. These older units typically show greater signs of fatigue and corrosion, requiring expensive part replacements and complex engineering solutions during overhauls. Per Boeing's 'Commercial Market Outlook 2024?2043' released in July 2024, the global commercial fleet is expected to grow by 3.2 percent annually while retaining many older vessels to meet capacity requirements. The financial impact of supporting these expanding operations is clear in major industry results; for example, Lufthansa Technik reported in 2024 that its fiscal year 2023 revenue reached 6.5 billion Euros, largely due to heightened demand for comprehensive aircraft support.

Market Challenge

The ongoing instability of the global supply chain represents a significant hurdle to the efficiency and stability of the landing gear repair sector. Overhauling landing gear requires the exact coordination of high-grade raw materials, such as specialized titanium and steel, as well as complex sub-components like bearings and hydraulic seals. When the procurement of these critical items becomes erratic, repair stations face immediate production bottlenecks. These logistical disruptions inevitably compel service providers to lengthen project turnaround times, keeping aircraft grounded longer than planned and disturbing the precise operational rotations essential for commercial fleets.

+357 96 030922
info@marketpublishers.com

Consequently, this volatility increases financial strain on both maintenance facilities and operators. Service centers often must stockpile costly inventory to guard against shortage risks, which ties up essential working capital, while extended delays hinder the timely completion of contracts. This uncertain environment directly impacts operational planning and revenue recognition. According to the International Air Transport Association in 2024, supply chain limitations were projected to cost the wider aviation industry roughly $11 billion in 2025 due to accumulated operational inefficiencies and maintenance delays, highlighting the severe economic consequences of these logistical obstacles.

Market Trends

The shift toward High-Velocity Oxygen Fuel (HVOF) coatings is fundamentally transforming repair standards as the industry abandons hazardous hard chrome plating to satisfy environmental regulations. Motivated by strict frameworks such as REACH and the requirement for better component durability, repair facilities are investing significantly in thermal spray technologies that provide superior fatigue limits and wear resistance for critical undercarriage parts. This technological evolution is fueling strategic market consolidation as service providers actively look to acquire specialized coating capabilities to maintain competitiveness. For instance, in a December 2024 press release regarding its $51 million acquisition of AAR Corp.?s landing gear overhaul business, GA Telesis explicitly highlighted the integration of HVOF capabilities as a crucial factor in the transaction to meet future lifecycle support needs.

At the same time, the growth of landing gear lease and exchange programs is increasing as airlines aim to reduce aircraft downtime during heavy maintenance periods. Rather than waiting for the refurbishment of their specific removed units, operators are frequently choosing to swap gears with overhauled assets from a rotatable pool, ensuring schedule certainty and immediate operational availability. This service model compels major MROs and OEMs to secure long-term asset management contracts that guarantee access to these pools. As evidence of this trend, Liebherr-Aerospace confirmed in a February 2024 press release concerning its service agreement with Japan Airlines that it had extended its landing gear overhaul program to include an additional 17 landing gear sets, validating the increasing carrier reliance on guaranteed asset availability solutions.

Key Market Players

+357 96 030922
info@marketpublishers.com

AAR Corporation

Honeywell International Inc.

Parker-Hannifin Corporation

RTX Corporation

Safran S.A.

Heroux-Devtek Inc.

Liebherr-International Deutschland GmbH

REVIMA Group

Triumph Group, Inc.,

The Boeing Company

Report Scope

In this report, the Global Aircraft Landing Gear Repair Overhaul Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Aircraft Landing Gear Repair Overhaul Market, By Aircraft Type

Fixed-Wing

Rotary-Wing

Aircraft Landing Gear Repair Overhaul Market, By Component Type

Landing Gear Steering System

Actuation System

+357 96 030922
info@marketpublishers.com

- Others

Aircraft Landing Gear Repair Overhaul Market, By Application Type

- Commercial
- Military

Aircraft Landing Gear Repair Overhaul Market, By Region

- North America
  - United States
  - Canada
  - Mexico
- Europe
  - France
  - United Kingdom
  - Italy
  - Germany
  - Spain
- Asia Pacific
  - China
  - India
  - Japan
  - Australia

+357 96 030922
info@marketpublishers.com

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Aircraft Landing Gear Repair Overhaul Market.

Available Customizations:

Global Aircraft Landing Gear Repair Overhaul Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

8. ASIA PACIFIC AIRCRAFT LANDING GEAR REPAIR OVERHAUL MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

9. MIDDLE EAST & AFRICA AIRCRAFT LANDING GEAR REPAIR OVERHAUL MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

10. SOUTH AMERICA AIRCRAFT LANDING GEAR REPAIR OVERHAUL MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

16. STRATEGIC RECOMMENDATIONS

17. ABOUT US & DISCLAIMER

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Aircraft Landing Gear Repair Overhaul Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Aircraft Type (Fixed-Wing, Rotary-Wing), By Component Type (Landing Gear Steering System, Actuation System, Others), By Application Type (Commercial, Military), By Region & Competition, 2021-2031F

Product link: https://marketpublishers.com/r/A0E7C3590BF0EN.html

Price: US$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/A0E7C3590BF0EN.html