

Commercial Aircraft Landing Gear Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global commercial aircraft landing gear market size reached US\$ 8.5 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 13.9 Billion by 2028, exhibiting a growth rate (CAGR) of 8.29% during 2023-2028.

Commercial aircraft landing gears are a set of devices that are responsible for providing suspension and support to the aircraft during landing, taxiing and take-off. Primarily comprising of a brake system, shock absorbers, wheels, turning system, and undercarriage retractile system, these gears also facilitate braking and direction control via an integrated aircraft support system. Therefore, these gears significantly minimize the impact loads that are transmitted to the airframe. In addition to this, as they are lightweight, they offer improved airplane mobility and require low energy consumption. Typically powered by hydraulic or pneumatic systems, the most commonly used materials in the manufacturing of aircraft landing gears include corrosion-resistant and ultra-high strength alloy steel, titanium alloys, high-strength aluminum alloys and composites.

Commercial Aircraft Landing Gear Market Trends:

The market is primarily driven by the escalating demand for lightweight aircraft suspension systems. This can be attributed to the growing production of modern-generation commercial aircraft and an enhanced focus on sustainable development. In line with this, the rising demand for low cost and ultra-low-cost carriers, along with fleet expansion for commercial aircraft, is also acting as a significant growth-inducing factor for the market. The market is further driven by the routine landing gear maintenance and replacements due to the increasing flight hours of an aircraft and the augmenting passenger air traffic. In addition to this, numerous partnerships and collaborations by

the major market players to facilitate service in geographically extended locations are providing an impetus to the market growth. Some of the other factors that are positively impacting the market include continual technological advancements, extensive research and development (R&D) activities, the emergence of new airline services, and the growing demand for military unmanned aerial vehicles (UAV) and aircraft.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global commercial aircraft landing gear market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on aircraft type, landing gear types and arrangement type.

Breakup by Aircraft Type:

- Narrow-Body
- Wide-Body
- Regional Jet
- Others

Breakup by Landing Gear Types:

- Main Landing Gear
- Nose Landing Gear

Breakup by Arrangement Type:

- Tricycle
- Tandem
- Tailwheel

Breakup by Region:

- North America
 - United States
 - Canada
- Asia-Pacific
- China
- Japan

India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being AAR Corp., Circor Aerospace Inc. (Circor International Inc.), Collins Aerospace (Raytheon Technologies Corporation), H?roux-Devtek Inc., Honeywell International Inc., Liebherr Group, Magellan Aerospace Corporation, Mecaer Aviation Group, Revima Group, Safran S.A., Sumitomo Precision Products Co. Ltd. and Triumph Group Inc.

Key Questions Answered in This Report:

How has the global commercial aircraft landing gear market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global commercial aircraft landing gear market?

What are the key regional markets?

What is the breakup of the market based on the aircraft type?

What is the breakup of the market based on the landing gear types?

What is the breakup of the market based on the arrangement type?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global commercial aircraft landing gear market and who are

the key players?

What is the degree of competition in the industry?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL COMMERCIAL AIRCRAFT LANDING GEAR MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY AIRCRAFT TYPE

- 6.1 Narrow-Body
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Wide-Body
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Regional Jet

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 Others
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast

7 MARKET BREAKUP BY LANDING GEAR TYPES

- 7.1 Main Landing Gear
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Nose Landing Gear
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast

8 MARKET BREAKUP BY ARRANGEMENT TYPE

- 8.1 Tricycle
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Tandem
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Tailwheel
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast

9 MARKET BREAKUP BY REGION

- 9.1 North America
 - 9.1.1 United States
 - 9.1.1.1 Market Trends
 - 9.1.1.2 Market Forecast
 - 9.1.2 Canada
 - 9.1.2.1 Market Trends
 - 9.1.2.2 Market Forecast
- 9.2 Asia-Pacific
 - 9.2.1 China
 - 9.2.1.1 Market Trends

- 9.2.1.2 Market Forecast
- 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
- 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
- 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
- 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
- 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
- 9.2.7 Others
 - 9.2.7.1 Market Trends
 - 9.2.7.2 Market Forecast
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
 - 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
 - 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
 - 9.3.7 Others

9.3.7.1 Market Trends

9.3.7.2 Market Forecast

9.4 Latin America

9.4.1 Brazil

9.4.1.1 Market Trends

9.4.1.2 Market Forecast

9.4.2 Mexico

9.4.2.1 Market Trends

9.4.2.2 Market Forecast

9.4.3 Others

9.4.3.1 Market Trends

9.4.3.2 Market Forecast

9.5 Middle East and Africa

9.5.1 Market Trends

9.5.2 Market Breakup by Country

9.5.3 Market Forecast

10 SWOT ANALYSIS

10.1 Overview

10.2 Strengths

10.3 Weaknesses

10.4 Opportunities

10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

12.1 Overview

12.2 Bargaining Power of Buyers

12.3 Bargaining Power of Suppliers

12.4 Degree of Competition

12.5 Threat of New Entrants

12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

14.1 Market Structure

14.2 Key Players

14.3 Profiles of Key Players

14.3.1 AAR Corp.

14.3.1.1 Company Overview

14.3.1.2 Product Portfolio

14.3.1.3 Financials

14.3.1.4 SWOT Analysis

14.3.2 Circor Aerospace Inc. (Circor International Inc.)

14.3.2.1 Company Overview

14.3.2.2 Product Portfolio

14.3.3 Collins Aerospace (Raytheon Technologies Corporation)

14.3.3.1 Company Overview

14.3.3.2 Product Portfolio

14.3.4 H?roux-Devtek Inc.

14.3.4.1 Company Overview

14.3.4.2 Product Portfolio

14.3.4.3 Financials

14.3.5 Honeywell International Inc.

14.3.5.1 Company Overview

14.3.5.2 Product Portfolio

14.3.5.3 Financials

14.3.5.4 SWOT Analysis

14.3.6 Liebherr Group

14.3.6.1 Company Overview

14.3.6.2 Product Portfolio

14.3.6.3 SWOT Analysis

14.3.7 Magellan Aerospace Corporation

14.3.7.1 Company Overview

14.3.7.2 Product Portfolio

14.3.7.3 Financials

14.3.8 Mecaer Aviation Group

14.3.8.1 Company Overview

14.3.8.2 Product Portfolio

14.3.9 Revima Group

14.3.9.1 Company Overview

14.3.9.2 Product Portfolio

14.3.10 Safran S.A.

- 14.3.10.1 Company Overview
- 14.3.10.2 Product Portfolio
- 14.3.10.3 Financials
- 14.3.10.4 SWOT Analysis
- 14.3.11 Sumitomo Precision Products Co. Ltd.
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio
 - 14.3.11.3 Financials
- 14.3.12 Triumph Group Inc.
 - 14.3.12.1 Company Overview
 - 14.3.12.2 Product Portfolio
 - 14.3.12.3 Financials
 - 14.3.12.4 SWOT Analysis

List Of Tables

LIST OF TABLES

Table 1: Global: Commercial Aircraft Landing Gear Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Commercial Aircraft Landing Gear Market Forecast: Breakup by Aircraft Type (in Million US\$), 2023-2028

Table 3: Global: Commercial Aircraft Landing Gear Market Forecast: Breakup by Landing Gear Types (in Million US\$), 2023-2028

Table 4: Global: Commercial Aircraft Landing Gear Market Forecast: Breakup by Arrangement Type (in Million US\$), 2023-2028

Table 5: Global: Commercial Aircraft Landing Gear Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 6: Global: Commercial Aircraft Landing Gear Market: Competitive Structure

Table 7: Global: Commercial Aircraft Landing Gear Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Commercial Aircraft Landing Gear Market: Major Drivers and Challenges

Figure 2: Global: Commercial Aircraft Landing Gear Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 4: Global: Commercial Aircraft Landing Gear Market: Breakup by Aircraft Type (in %), 2022

Figure 5: Global: Commercial Aircraft Landing Gear Market: Breakup by Landing Gear Types (in %), 2022

Figure 6: Global: Commercial Aircraft Landing Gear Market: Breakup by Arrangement Type (in %), 2022

Figure 7: Global: Commercial Aircraft Landing Gear Market: Breakup by Region (in %), 2022

Figure 8: Global: Commercial Aircraft Landing Gear (Narrow-Body) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 9: Global: Commercial Aircraft Landing Gear (Narrow-Body) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 10: Global: Commercial Aircraft Landing Gear (Wide-Body) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 11: Global: Commercial Aircraft Landing Gear (Wide-Body) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 12: Global: Commercial Aircraft Landing Gear (Regional Jet) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 13: Global: Commercial Aircraft Landing Gear (Regional Jet) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 14: Global: Commercial Aircraft Landing Gear (Other Aircraft Types) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 15: Global: Commercial Aircraft Landing Gear (Other Aircraft Types) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 16: Global: Commercial Aircraft Landing Gear (Main Landing Gear) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 17: Global: Commercial Aircraft Landing Gear (Main Landing Gear) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 18: Global: Commercial Aircraft Landing Gear (Nose Landing Gear) Market:

Sales Value (in Million US\$), 2017 & 2022

Figure 19: Global: Commercial Aircraft Landing Gear (Nose Landing Gear) Market
Forecast: Sales Value (in Million US\$), 2023-2028

Figure 20: Global: Commercial Aircraft Landing Gear (Tricycle) Market: Sales Value (in
Million US\$), 2017 & 2022

Figure 21: Global: Commercial Aircraft Landing Gear (Tricycle) Market Forecast: Sales
Value (in Million US\$), 2023-2028

Figure 22: Global: Commercial Aircraft Landing Gear (Tandem) Market: Sales Value (in
Million US\$), 2017 & 2022

Figure 23: Global: Commercial Aircraft Landing Gear (Tandem) Market Forecast: Sales
Value (in Million US\$), 2023-2028

Figure 24: Global: Commercial Aircraft Landing Gear (Tailwheel) Market: Sales Value
(in Million US\$), 2017 & 2022

Figure 25: Global: Commercial Aircraft Landing Gear (Tailwheel) Market Forecast:
Sales Value (in Million US\$), 2023-2028

Figure 26: North America: Commercial Aircraft Landing Gear Market: Sales Value (in
Million US\$), 2017 & 2022

Figure 27: North America: Commercial Aircraft Landing Gear Market Forecast: Sales
Value (in Million US\$), 2023-2028

Figure 28: United States: Commercial Aircraft Landing Gear Market: Sales Value (in
Million US\$), 2017 & 2022

Figure 29: United States: Commercial Aircraft Landing Gear Market Forecast: Sales
Value (in Million US\$), 2023-2028

Figure 30: Canada: Commercial Aircraft Landing Gear Market: Sales Value (in Million
US\$), 2017 & 2022

Figure 31: Canada: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in
Million US\$), 2023-2028

Figure 32: Asia-Pacific: Commercial Aircraft Landing Gear Market: Sales Value (in
Million US\$), 2017 & 2022

Figure 33: Asia-Pacific: Commercial Aircraft Landing Gear Market Forecast: Sales
Value (in Million US\$), 2023-2028

Figure 34: China: Commercial Aircraft Landing Gear Market: Sales Value (in Million
US\$), 2017 & 2022

Figure 35: China: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in
Million US\$), 2023-2028

Figure 36: Japan: Commercial Aircraft Landing Gear Market: Sales Value (in Million
US\$), 2017 & 2022

Figure 37: Japan: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in
Million US\$), 2023-2028

Figure 38: India: Commercial Aircraft Landing Gear Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: India: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: South Korea: Commercial Aircraft Landing Gear Market: Sales Value (in Million US\$), 2017 & 2022

Figure 41: South Korea: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: Australia: Commercial Aircraft Landing Gear Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: Australia: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: Indonesia: Commercial Aircraft Landing Gear Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: Indonesia: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: Others: Commercial Aircraft Landing Gear Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: Others: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: Europe: Commercial Aircraft Landing Gear Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: Europe: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: Germany: Commercial Aircraft Landing Gear Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: Germany: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: France: Commercial Aircraft Landing Gear Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: France: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: United Kingdom: Commercial Aircraft Landing Gear Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: United Kingdom: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: Italy: Commercial Aircraft Landing Gear Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: Italy: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in

Million US\$), 2023-2028

Figure 58: Spain: Commercial Aircraft Landing Gear Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: Spain: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: Russia: Commercial Aircraft Landing Gear Market: Sales Value (in Million US\$), 2017 & 2022

Figure 61: Russia: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Others: Commercial Aircraft Landing Gear Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Others: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: Latin America: Commercial Aircraft Landing Gear Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Latin America: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: Brazil: Commercial Aircraft Landing Gear Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: Brazil: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: Mexico: Commercial Aircraft Landing Gear Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: Mexico: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: Others: Commercial Aircraft Landing Gear Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: Others: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 72: Middle East and Africa: Commercial Aircraft Landing Gear Market: Sales Value (in Million US\$), 2017 & 2022

Figure 73: Middle East and Africa: Commercial Aircraft Landing Gear Market: Breakup by Country (in %), 2022

Figure 74: Middle East and Africa: Commercial Aircraft Landing Gear Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 75: Global: Commercial Aircraft Landing Gear Industry: SWOT Analysis

Figure 76: Global: Commercial Aircraft Landing Gear Industry: Value Chain Analysis

Figure 77: Global: Commercial Aircraft Landing Gear Industry: Porter's Five Forces Analysis

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