

Aircraft Propeller Systems Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global aircraft propeller systems market size reached US\$ 333.6 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 452.1 Million by 2028, exhibiting a growth rate (CAGR) of 5% during 2023-2028.

Aircraft propeller systems refer to devices that are utilized to create relative motion by forcing the atmospheric air axially backward for the movement of an aircraft. They comprise of two or more blades that are connected through a hub. Aircraft propeller systems can be primarily categorized into six types: fixed-pitch, reverse-pitch, controllable-pitch, constant-speed, feathering, and ground-adjustable. Propeller-driven aircraft have several advantages, such as shorter landings and takeoffs and are less expensive compared to turbofan engine aircraft.

Aircraft Propeller Systems Market Trends:

In the aviation industry, the escalating demand for fuel-efficient engines with optimized performance is primarily driving the global aircraft propeller systems market. Furthermore, the growing requirement for lightweight, safe, and reliable aircraft systems for improved passenger safety is also propelling the market growth. Besides this, the rising number of deliveries of special light-sport aircraft (SLSA) owing to the elevating popularity of aviation sport activities is further catalyzing the demand for aircraft propeller systems. Moreover, the escalating need for turboprop engine aircraft for commercial applications coupled with their inflating utilization in the defense sector for carrying out transport and surveillance activities is creating a positive outlook for the market. Additionally, the introduction of new international short-distance routes has also increased the demand for piston engine aircraft, thereby fueling the growth of the market. In addition to this, the advent of improved aviation policies in the post-pandemic

scenarios has resulted in a growing number of air travelers, which, in turn, is stimulating the market growth. Moreover, extensive R&D investments in the introduction of advanced propeller systems with respect to parameters like takeoff performance, noise, and ground clearance, are expected to propel the growth of the aircraft propeller systems market in the coming years.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global aircraft propeller systems market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, product, component, platform, engine and end use.

Breakup by Type:

- Fixed Pitch
- Variable Pitch

Breakup by Product:

- Contra-Rotating Propeller
- Counter-Rotating Propeller

Breakup by Component:

- Blade
- Spinner
- Hub
- Others

Breakup by Platform:

- Civil
- Military

Breakup by Engine:

- Conventional
- Electric and Hybrid

Breakup by End Use:

OEM

Aftermarket

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 Aerosila, Airmaster Propellers Ltd, Dowty Propellers, DUC Helices Propellers, FP-propeller Srl, GSC Systems Inc., Hartzell Propeller, Helices E-Props, Hercules Propellers Ltd, McCauley Propeller Systems (Textron Aviation Inc.), MT-Propeller Entwicklung GmbH, Peter De Necker, Sensenich Propeller and Whirlwind Propellers Corporation.

Key Questions Answered in This Report

1. What was the size of the global aircraft propeller systems market in 2022?
2. What is the expected growth rate of the global aircraft propeller systems market during 2023-2028?
3. What are the key factors driving the global aircraft propeller systems market?
4. What has been the impact of COVID-19 on the global aircraft propeller systems market?
5. What is the breakup of the global aircraft propeller systems market based on the type?
6. What is the breakup of the global aircraft propeller systems market based on the component?
7. What is the breakup of the global aircraft propeller systems market based on engine?
8. What is the breakup of the global aircraft propeller systems market based on the end use?
9. What are the key regions in the global aircraft propeller systems market?
10. Who are the key players/companies in the global aircraft propeller systems market?

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 AIRCRAFT PROPELLER SYSTEMS MARKET

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

6 MARKET BREAKUP BY TYPE

- 6.1 Fixed Pitch
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Variable Pitch
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast

7 MARKET BREAKUP BY PRODUCT

7.1 Contra-Rotating Propeller

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Counter-Rotating Propeller

7.2.1 Market Trends

7.2.2 Market Forecast

8 MARKET BREAKUP BY COMPONENT

8.1 Blade

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Spinner

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 Hub

8.3.1 Market Trends

8.3.2 Market Forecast

8.4 Others

8.4.1 Market Trends

8.4.2 Market Forecast

9 MARKET BREAKUP BY PLATFORM

9.1 Civil

9.1.1 Market Trends

9.1.2 Market Forecast

9.2 Military

9.2.1 Market Trends

9.2.2 Market Forecast

10 MARKET BREAKUP BY ENGINE

10.1 Conventional

10.1.1 Market Trends

10.1.2 Market Forecast

10.2 Electric and Hybrid

- 10.2.1 Market Trends
- 10.2.2 Market Forecast

11 MARKET BREAKUP BY END USE

- 11.1 OEM
 - 11.1.1 Market Trends
 - 11.1.2 Market Forecast
- 11.2 Aftermarket
 - 11.2.1 Market Trends
 - 11.2.2 Market Forecast

12 MARKET BREAKUP BY REGION

- 12.1 North America
 - 12.1.1 United States
 - 12.1.1.1 Market Trends
 - 12.1.1.2 Market Forecast
 - 12.1.2 Canada
 - 12.1.2.1 Market Trends
 - 12.1.2.2 Market Forecast
- 12.2 Asia-Pacific
 - 12.2.1 China
 - 12.2.1.1 Market Trends
 - 12.2.1.2 Market Forecast
 - 12.2.2 Japan
 - 12.2.2.1 Market Trends
 - 12.2.2.2 Market Forecast
 - 12.2.3 India
 - 12.2.3.1 Market Trends
 - 12.2.3.2 Market Forecast
 - 12.2.4 South Korea
 - 12.2.4.1 Market Trends
 - 12.2.4.2 Market Forecast
 - 12.2.5 Australia
 - 12.2.5.1 Market Trends
 - 12.2.5.2 Market Forecast
 - 12.2.6 Indonesia
 - 12.2.6.1 Market Trends

- 12.2.6.2 Market Forecast
- 12.2.7 Others
 - 12.2.7.1 Market Trends
 - 12.2.7.2 Market Forecast
- 12.3 Europe
 - 12.3.1 Germany
 - 12.3.1.1 Market Trends
 - 12.3.1.2 Market Forecast
 - 12.3.2 France
 - 12.3.2.1 Market Trends
 - 12.3.2.2 Market Forecast
 - 12.3.3 United Kingdom
 - 12.3.3.1 Market Trends
 - 12.3.3.2 Market Forecast
 - 12.3.4 Italy
 - 12.3.4.1 Market Trends
 - 12.3.4.2 Market Forecast
 - 12.3.5 Spain
 - 12.3.5.1 Market Trends
 - 12.3.5.2 Market Forecast
 - 12.3.6 Russia
 - 12.3.6.1 Market Trends
 - 12.3.6.2 Market Forecast
 - 12.3.7 Others
 - 12.3.7.1 Market Trends
 - 12.3.7.2 Market Forecast
- 12.4 Latin America
 - 12.4.1 Brazil
 - 12.4.1.1 Market Trends
 - 12.4.1.2 Market Forecast
 - 12.4.2 Mexico
 - 12.4.2.1 Market Trends
 - 12.4.2.2 Market Forecast
 - 12.4.3 Others
 - 12.4.3.1 Market Trends
 - 12.4.3.2 Market Forecast
- 12.5 Middle East and Africa
 - 12.5.1 Market Trends
 - 12.5.2 Market Breakup by Country

12.5.3 Market Forecast

13 SWOT ANALYSIS

- 13.1 Overview
- 13.2 Strengths
- 13.3 Weaknesses
- 13.4 Opportunities
- 13.5 Threats

14 VALUE CHAIN ANALYSIS

15 PORTERS FIVE FORCES ANALYSIS

- 15.1 Overview
- 15.2 Bargaining Power of Buyers
- 15.3 Bargaining Power of Suppliers
- 15.4 Degree of Competition
- 15.5 Threat of New Entrants
- 15.6 Threat of Substitutes

16 PRICE ANALYSIS

17 COMPETITIVE LANDSCAPE

- 17.1 Market Structure
- 17.2 Key Players
- 17.3 Profiles of Key Players
 - 17.3.1 Aerosila
 - 17.3.1.1 Company Overview
 - 17.3.1.2 Product Portfolio
 - 17.3.2 Airmaster Propellers Ltd
 - 17.3.2.1 Company Overview
 - 17.3.2.2 Product Portfolio
 - 17.3.3 Dowty Propellers
 - 17.3.3.1 Company Overview
 - 17.3.3.2 Product Portfolio
 - 17.3.4 DUC Helices Propellers
 - 17.3.4.1 Company Overview

- 17.3.4.2 Product Portfolio
- 17.3.5 FP-propeller Srl
 - 17.3.5.1 Company Overview
 - 17.3.5.2 Product Portfolio
- 17.3.6 GSC Systems Inc.
 - 17.3.6.1 Company Overview
 - 17.3.6.2 Product Portfolio
- 17.3.7 Hartzell Propeller
 - 17.3.7.1 Company Overview
 - 17.3.7.2 Product Portfolio
- 17.3.8 H?lices E-Props
 - 17.3.8.1 Company Overview
 - 17.3.8.2 Product Portfolio
- 17.3.9 Hercules Propellers Ltd
 - 17.3.9.1 Company Overview
 - 17.3.9.2 Product Portfolio
- 17.3.10 McCauley Propeller Systems (Textron Aviation Inc.)
 - 17.3.10.1 Company Overview
 - 17.3.10.2 Product Portfolio
- 17.3.11 MT-Propeller Entwicklung GmbH
 - 17.3.11.1 Company Overview
 - 17.3.11.2 Product Portfolio
- 17.3.12 Peter De Necker
 - 17.3.12.1 Company Overview
 - 17.3.12.2 Product Portfolio
- 17.3.13 Sensenich Propeller
 - 17.3.13.1 Company Overview
 - 17.3.13.2 Product Portfolio
- 17.3.14 Whirlwind Propellers Corporation
 - 17.3.14.1 Company Overview
 - 17.3.14.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: Aircraft Propeller Systems Market: Key Industry Highlights, 2022 and 2028

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

Table 3: Global: Aircraft Propeller Systems Market Forecast: Breakup by Product (in Million US\$), 2023-2028

Table 4: Global: Aircraft Propeller Systems Market Forecast: Breakup by Component (in Million US\$), 2023-2028

Table 5: Global: Aircraft Propeller Systems Market Forecast: Breakup by Platform (in Million US\$), 2023-2028

Table 6: Global: Aircraft Propeller Systems Market Forecast: Breakup by Engine (in Million US\$), 2023-2028

Table 7: Global: Aircraft Propeller Systems Market Forecast: Breakup by End Use (in Million US\$), 2023-2028

Table 8: Global: Aircraft Propeller Systems Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 9: Global: Aircraft Propeller Systems Market: Competitive Structure

Table 10: Global: Aircraft Propeller Systems Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Aircraft Propeller Systems Market: Major Drivers and Challenges

Figure 2: Global: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017-2022

Figure 3: Global: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 4: Global: Aircraft Propeller Systems Market: Breakup by Type (in %), 2022

Figure 5: Global: Aircraft Propeller Systems Market: Breakup by Product (in %), 2022

Figure 6: Global: Aircraft Propeller Systems Market: Breakup by Component (in %), 2022

Figure 7: Global: Aircraft Propeller Systems Market: Breakup by Platform (in %), 2022

Figure 8: Global: Aircraft Propeller Systems Market: Breakup by Engine (in %), 2022

Figure 9: Global: Aircraft Propeller Systems Market: Breakup by End Use (in %), 2022

Figure 10: Global: Aircraft Propeller Systems Market: Breakup by Region (in %), 2022

Figure 11: Global: Aircraft Propeller Systems (Fixed Pitch) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 12: Global: Aircraft Propeller Systems (Fixed Pitch) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 13: Global: Aircraft Propeller Systems (Variable Pitch) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 14: Global: Aircraft Propeller Systems (Variable Pitch) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 15: Global: Aircraft Propeller Systems (Contra-Rotating Propeller) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 16: Global: Aircraft Propeller Systems (Contra-Rotating Propeller) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 17: Global: Aircraft Propeller Systems (Counter-Rotating Propeller) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 18: Global: Aircraft Propeller Systems (Counter-Rotating Propeller) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 19: Global: Aircraft Propeller Systems (Blade) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 20: Global: Aircraft Propeller Systems (Blade) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 21: Global: Aircraft Propeller Systems (Spinner) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 22: Global: Aircraft Propeller Systems (Spinner) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: Global: Aircraft Propeller Systems (Hub) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: Global: Aircraft Propeller Systems (Hub) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Global: Aircraft Propeller Systems (Other Components) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Global: Aircraft Propeller Systems (Other Components) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: Global: Aircraft Propeller Systems (Civil) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: Global: Aircraft Propeller Systems (Civil) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: Global: Aircraft Propeller Systems (Military) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Global: Aircraft Propeller Systems (Military) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: Global: Aircraft Propeller Systems (Conventional) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: Global: Aircraft Propeller Systems (Conventional) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: Global: Aircraft Propeller Systems (Electric and Hybrid) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: Global: Aircraft Propeller Systems (Electric and Hybrid) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: Global: Aircraft Propeller Systems (OEM) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: Global: Aircraft Propeller Systems (OEM) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: Global: Aircraft Propeller Systems (Aftermarket) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: Global: Aircraft Propeller Systems (Aftermarket) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: North America: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 40: North America: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 41: United States: Aircraft Propeller Systems Market: Sales Value (in Million

US\$), 2017 & 2022

Figure 42: United States: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 43: Canada: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: Canada: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: Asia-Pacific: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: Asia-Pacific: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 47: China: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: China: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 49: Japan: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 50: Japan: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 51: India: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 52: India: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 53: South Korea: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: South Korea: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 55: Australia: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 56: Australia: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 57: Indonesia: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 58: Indonesia: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 59: Others: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 60: Others: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 61: Europe: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 62: Europe: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 63: Germany: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 64: Germany: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 65: France: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 66: France: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 67: United Kingdom: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 68: United Kingdom: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 69: Italy: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 70: Italy: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 71: Spain: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 72: Spain: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 73: Russia: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 74: Russia: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 75: Others: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 76: Others: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 77: Latin America: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 78: Latin America: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 79: Brazil: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 80: Brazil: Aircraft Propeller Systems Market Forecast: Sales Value (in Million

US\$), 2023-2028

Figure 81: Mexico: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 82: Mexico: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 83: Others: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 84: Others: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 85: Middle East and Africa: Aircraft Propeller Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 86: Middle East and Africa: Aircraft Propeller Systems Market: Breakup by Country (in %), 2022

Figure 87: Middle East and Africa: Aircraft Propeller Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 88: Global: Aircraft Propeller Systems Industry: SWOT Analysis

Figure 89: Global: Aircraft Propeller Systems Industry: Value Chain Analysis

Figure 90: Global: Aircraft Propeller Systems Industry: Porter's Five Forces Analysis

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