

Autonomous Aircraft Market By Aircraft Size (Narrow Body, Wide Body, Others), By Maximum Takeoff Weight (Less Than 2500 Kg, More Than 2500 Kg), By Application (Military & Defence, Civil & Commercial, Others), By End-Use (Cargo & Industrial, Passenger): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2022-07-01 | 338 pages | Allied Market Research

AVAILABLE LICENSES:

- Cloud Access License \$3110.40
- Business User License \$5157.00
- Enterprise License \$8640.00

Report description:

The report incorporates the study of the global autonomous aircraft market that focuses on the type of aircraft, which is a fully-automated manned or unmanned aircraft that require minimum or no human intervention in its operations. This process of autonomy works with an extensive suite of sensors, such as computer vision cameras, radar, lidar, and others, combined with constantly updated maps, GPS navigation, computers that can process enormous amounts of data in real time, and the software that gives them enough artificial intelligence to become autonomous rather than just highly automated. At present, the adoption of autonomous aircraft for civil aviation due to the associated benefits, such as safety, reliability, and affordability, can lead to the growth of the market in the coming years. For instance, in January 2020, Swift Tactical Systems signed a contract of worth \$17 million with Bahamas government agencies for the purchase of 55 short & medium range drones with immediate surveillance capabilities for the establishment of a regional drone academy.

The factors such as rise in adoption of autonomous cargo aircraft, surge in autonomy to reduce human errors, and increase in adoption of artificial intelligence in autonomous aircrafts drive the growth of the autonomous aircraft market. However, increase in security issues & cyber threat and lack of standard infrastructure for operation & complex design and high initial investment are the factors expected to hamper the growth of the autonomous aircraft market. In addition, proactive government initiatives & support and rise in demand for improved surveillance are expected to create ample opportunities for the key players operating in the autonomous aircraft market.

For the purpose of analysis, the global autonomous aircraft market is segmented on the basis of aircraft size, maximum takeoff weight, application, end-use, and region. By aircraft size, the market is divided into narrow body, wide body, and others. By maximum takeoff weight, it is fragmented into less than 2500 kg and more than 2500 kg. By application, it is categorized into

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

military & defense, civil & commercial, and others. By end use, it is further classified into cargo & industrial and passenger. By region, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

The leading players operating in the autonomous aircraft market are Northrop Grumman, Collins Aerospace, Lockheed Martin Corporation, Boeing, Airbus, Elbit Systems Ltd., Textron Inc., BAE Systems, SAAB, Aeronautics, Aerovironment, Inc., General Atomics., Embraer SA., Aston Martin and Kittyhawk.

Key Benefits For Stakeholders

- This study presents analytical depiction of the global autonomous aircraft market analysis along with current trends and future estimations to depict imminent investment pockets.
- The overall autonomous aircraft market opportunity is determined by understanding profitable trends to gain a stronger foothold.
- The report presents information related to the key drivers, restraints, and opportunities of the global autonomous aircraft market with a detailed impact analysis.
- The current autonomous aircraft market is quantitatively analyzed from 2021 to 2031 to benchmark the financial competency.
- Porter's five forces analysis illustrates the potency of the buyers and suppliers in the industry.

Key Market Segments

By Aircraft Size

- Narrow Body
- Wide Body
- Others

By Maximum Takeoff Weight

- Less Than 2500 Kg
- More Than 2500 Kg

By Application

- Military Defence
- Civil Commercial
- Others

By End-Use

- Cargo Industrial
- Passenger

By Region

- North America
 - U.S.
 - Canada
 - Mexico
- Europe
 - U.K.
 - Germany
 - France
 - Spain
 - Italy
 - Russia
- Rest of Asia-Pacific
 - Asia-Pacific
 - China
 - Japan
 - India
 - South Korea
 - Rest Of Asia Pacific

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- LAMEA
- Latin America
- Middle East
- Africa
- Key Market Players
- Aeronautics
- Aerovironment
- Airbus
- BAE Systems
- Bell Helicopter
- Boeing
- Elbit Systems
- Embraer
- General Atomics Aeronautical Systems
- Kitty Hawk
- Lockheed Martin
- Northrop Grumman
- Raytheon
- Saab
- Volocopter GmbH
- Joby Aviation (Key Innovator)
- Karem Aircraft Inc. (Key Innovator)

Table of Contents:

CHAPTER 1:INTRODUCTION

- 1.1.Report description
- 1.2.Key market segments
- 1.3.Key benefits to the stakeholders
- 1.4.Research Methodology
 - 1.4.1.Secondary research
 - 1.4.2.Primary research
 - 1.4.3.Analyst tools and models

CHAPTER 2:EXECUTIVE SUMMARY

- 2.1.Key findings of the study
- 2.2.CXO Perspective

CHAPTER 3:MARKET OVERVIEW

- 3.1.Market definition and scope
- 3.2.Key findings
 - 3.2.1.Top investment pockets
- 3.3.Porter's five forces analysis
- 3.4.Top player positioning
- 3.5.Market dynamics
 - 3.5.1.Drivers
 - 3.5.2.Restraints
 - 3.5.3.Opportunities
- 3.6.COVID-19 Impact Analysis on the market

CHAPTER 4: AUTONOMOUS AIRCRAFT MARKET, BY AIRCRAFT SIZE

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 4.1 Overview
 - 4.1.1 Market size and forecast
- 4.2 Narrow Body
 - 4.2.1 Key market trends, growth factors and opportunities
 - 4.2.2 Market size and forecast, by region
 - 4.2.3 Market analysis by country
- 4.3 Wide Body
 - 4.3.1 Key market trends, growth factors and opportunities
 - 4.3.2 Market size and forecast, by region
 - 4.3.3 Market analysis by country
- 4.4 Others
 - 4.4.1 Key market trends, growth factors and opportunities
 - 4.4.2 Market size and forecast, by region
 - 4.4.3 Market analysis by country

CHAPTER 5: AUTONOMOUS AIRCRAFT MARKET, BY MAXIMUM TAKEOFF WEIGHT

- 5.1 Overview
 - 5.1.1 Market size and forecast
- 5.2 Less Than 2500 Kg
 - 5.2.1 Key market trends, growth factors and opportunities
 - 5.2.2 Market size and forecast, by region
 - 5.2.3 Market analysis by country
- 5.3 More Than 2500 Kg
 - 5.3.1 Key market trends, growth factors and opportunities
 - 5.3.2 Market size and forecast, by region
 - 5.3.3 Market analysis by country

CHAPTER 6: AUTONOMOUS AIRCRAFT MARKET, BY APPLICATION

- 6.1 Overview
 - 6.1.1 Market size and forecast
- 6.2 Military & Defence
 - 6.2.1 Key market trends, growth factors and opportunities
 - 6.2.2 Market size and forecast, by region
 - 6.2.3 Market analysis by country
- 6.3 Civil & Commercial
 - 6.3.1 Key market trends, growth factors and opportunities
 - 6.3.2 Market size and forecast, by region
 - 6.3.3 Market analysis by country
- 6.4 Others
 - 6.4.1 Key market trends, growth factors and opportunities
 - 6.4.2 Market size and forecast, by region
 - 6.4.3 Market analysis by country

CHAPTER 7: AUTONOMOUS AIRCRAFT MARKET, BY END-USE

- 7.1 Overview
 - 7.1.1 Market size and forecast
- 7.2 Cargo & Industrial
 - 7.2.1 Key market trends, growth factors and opportunities
 - 7.2.2 Market size and forecast, by region
 - 7.2.3 Market analysis by country

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

7.3 Passenger

7.3.1 Key market trends, growth factors and opportunities

7.3.2 Market size and forecast, by region

7.3.3 Market analysis by country

CHAPTER 8: AUTONOMOUS AIRCRAFT MARKET, BY REGION

8.1 Overview

8.1.1 Market size and forecast

8.2 North America

8.2.1 Key trends and opportunities

8.2.2 North America Market size and forecast, by Aircraft Size

8.2.3 North America Market size and forecast, by Maximum Takeoff Weight

8.2.4 North America Market size and forecast, by Application

8.2.5 North America Market size and forecast, by End-Use

8.2.6 North America Market size and forecast, by country

8.2.6.1 U.S.

8.2.6.1.1 Market size and forecast, by Aircraft Size

8.2.6.1.2 Market size and forecast, by Maximum Takeoff Weight

8.2.6.1.3 Market size and forecast, by Application

8.2.6.1.4 Market size and forecast, by End-Use

8.2.6.2 Canada

8.2.6.2.1 Market size and forecast, by Aircraft Size

8.2.6.2.2 Market size and forecast, by Maximum Takeoff Weight

8.2.6.2.3 Market size and forecast, by Application

8.2.6.2.4 Market size and forecast, by End-Use

8.2.6.3 Mexico

8.2.6.3.1 Market size and forecast, by Aircraft Size

8.2.6.3.2 Market size and forecast, by Maximum Takeoff Weight

8.2.6.3.3 Market size and forecast, by Application

8.2.6.3.4 Market size and forecast, by End-Use

8.3 Europe

8.3.1 Key trends and opportunities

8.3.2 Europe Market size and forecast, by Aircraft Size

8.3.3 Europe Market size and forecast, by Maximum Takeoff Weight

8.3.4 Europe Market size and forecast, by Application

8.3.5 Europe Market size and forecast, by End-Use

8.3.6 Europe Market size and forecast, by country

8.3.6.1 U.K.

8.3.6.1.1 Market size and forecast, by Aircraft Size

8.3.6.1.2 Market size and forecast, by Maximum Takeoff Weight

8.3.6.1.3 Market size and forecast, by Application

8.3.6.1.4 Market size and forecast, by End-Use

8.3.6.2 Germany

8.3.6.2.1 Market size and forecast, by Aircraft Size

8.3.6.2.2 Market size and forecast, by Maximum Takeoff Weight

8.3.6.2.3 Market size and forecast, by Application

8.3.6.2.4 Market size and forecast, by End-Use

8.3.6.3 France

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.3.6.3.1 Market size and forecast, by Aircraft Size
- 8.3.6.3.2 Market size and forecast, by Maximum Takeoff Weight
- 8.3.6.3.3 Market size and forecast, by Application
- 8.3.6.3.4 Market size and forecast, by End-Use
- 8.3.6.4 Spain
- 8.3.6.4.1 Market size and forecast, by Aircraft Size
- 8.3.6.4.2 Market size and forecast, by Maximum Takeoff Weight
- 8.3.6.4.3 Market size and forecast, by Application
- 8.3.6.4.4 Market size and forecast, by End-Use
- 8.3.6.5 Italy
- 8.3.6.5.1 Market size and forecast, by Aircraft Size
- 8.3.6.5.2 Market size and forecast, by Maximum Takeoff Weight
- 8.3.6.5.3 Market size and forecast, by Application
- 8.3.6.5.4 Market size and forecast, by End-Use
- 8.3.6.6 Russia
- 8.3.6.6.1 Market size and forecast, by Aircraft Size
- 8.3.6.6.2 Market size and forecast, by Maximum Takeoff Weight
- 8.3.6.6.3 Market size and forecast, by Application
- 8.3.6.6.4 Market size and forecast, by End-Use
- 8.3.6.7 Rest of Asia-Pacific
- 8.3.6.7.1 Market size and forecast, by Aircraft Size
- 8.3.6.7.2 Market size and forecast, by Maximum Takeoff Weight
- 8.3.6.7.3 Market size and forecast, by Application
- 8.3.6.7.4 Market size and forecast, by End-Use
- 8.4 Asia-Pacific
- 8.4.1 Key trends and opportunities
- 8.4.2 Asia-Pacific Market size and forecast, by Aircraft Size
- 8.4.3 Asia-Pacific Market size and forecast, by Maximum Takeoff Weight
- 8.4.4 Asia-Pacific Market size and forecast, by Application
- 8.4.5 Asia-Pacific Market size and forecast, by End-Use
- 8.4.6 Asia-Pacific Market size and forecast, by country
- 8.4.6.1 China
- 8.4.6.1.1 Market size and forecast, by Aircraft Size
- 8.4.6.1.2 Market size and forecast, by Maximum Takeoff Weight
- 8.4.6.1.3 Market size and forecast, by Application
- 8.4.6.1.4 Market size and forecast, by End-Use
- 8.4.6.2 Japan
- 8.4.6.2.1 Market size and forecast, by Aircraft Size
- 8.4.6.2.2 Market size and forecast, by Maximum Takeoff Weight
- 8.4.6.2.3 Market size and forecast, by Application
- 8.4.6.2.4 Market size and forecast, by End-Use
- 8.4.6.3 India
- 8.4.6.3.1 Market size and forecast, by Aircraft Size
- 8.4.6.3.2 Market size and forecast, by Maximum Takeoff Weight
- 8.4.6.3.3 Market size and forecast, by Application
- 8.4.6.3.4 Market size and forecast, by End-Use
- 8.4.6.4 South Korea

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.4.6.4.1 Market size and forecast, by Aircraft Size
- 8.4.6.4.2 Market size and forecast, by Maximum Takeoff Weight
- 8.4.6.4.3 Market size and forecast, by Application
- 8.4.6.4.4 Market size and forecast, by End-Use
- 8.4.6.5 Rest Of Asia Pacific
 - 8.4.6.5.1 Market size and forecast, by Aircraft Size
 - 8.4.6.5.2 Market size and forecast, by Maximum Takeoff Weight
 - 8.4.6.5.3 Market size and forecast, by Application
 - 8.4.6.5.4 Market size and forecast, by End-Use
- 8.5 LAMEA
 - 8.5.1 Key trends and opportunities
 - 8.5.2 LAMEA Market size and forecast, by Aircraft Size
 - 8.5.3 LAMEA Market size and forecast, by Maximum Takeoff Weight
 - 8.5.4 LAMEA Market size and forecast, by Application
 - 8.5.5 LAMEA Market size and forecast, by End-Use
 - 8.5.6 LAMEA Market size and forecast, by country
 - 8.5.6.1 Latin America
 - 8.5.6.1.1 Market size and forecast, by Aircraft Size
 - 8.5.6.1.2 Market size and forecast, by Maximum Takeoff Weight
 - 8.5.6.1.3 Market size and forecast, by Application
 - 8.5.6.1.4 Market size and forecast, by End-Use
 - 8.5.6.2 Middle East
 - 8.5.6.2.1 Market size and forecast, by Aircraft Size
 - 8.5.6.2.2 Market size and forecast, by Maximum Takeoff Weight
 - 8.5.6.2.3 Market size and forecast, by Application
 - 8.5.6.2.4 Market size and forecast, by End-Use
 - 8.5.6.3 Africa
 - 8.5.6.3.1 Market size and forecast, by Aircraft Size
 - 8.5.6.3.2 Market size and forecast, by Maximum Takeoff Weight
 - 8.5.6.3.3 Market size and forecast, by Application
 - 8.5.6.3.4 Market size and forecast, by End-Use
- CHAPTER 9: COMPANY LANDSCAPE
 - 9.1. Introduction
 - 9.2. Top winning strategies
 - 9.3. Product Mapping of Top 10 Player
 - 9.4. Competitive Dashboard
 - 9.5. Competitive Heatmap
 - 9.6. Key developments
- CHAPTER 10: COMPANY PROFILES
 - 10.1 Aeronautics
 - 10.1.1 Company overview
 - 10.1.2 Company snapshot
 - 10.1.3 Operating business segments
 - 10.1.4 Product portfolio
 - 10.1.5 Business performance
 - 10.1.6 Key strategic moves and developments
 - 10.2 Aerovironment

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 10.2.1 Company overview
- 10.2.2 Company snapshot
- 10.2.3 Operating business segments
- 10.2.4 Product portfolio
- 10.2.5 Business performance
- 10.2.6 Key strategic moves and developments
- 10.3 Airbus
 - 10.3.1 Company overview
 - 10.3.2 Company snapshot
 - 10.3.3 Operating business segments
 - 10.3.4 Product portfolio
 - 10.3.5 Business performance
 - 10.3.6 Key strategic moves and developments
- 10.4 BAE Systems
 - 10.4.1 Company overview
 - 10.4.2 Company snapshot
 - 10.4.3 Operating business segments
 - 10.4.4 Product portfolio
 - 10.4.5 Business performance
 - 10.4.6 Key strategic moves and developments
- 10.5 Bell Helicopter
 - 10.5.1 Company overview
 - 10.5.2 Company snapshot
 - 10.5.3 Operating business segments
 - 10.5.4 Product portfolio
 - 10.5.5 Business performance
 - 10.5.6 Key strategic moves and developments
- 10.6 Boeing
 - 10.6.1 Company overview
 - 10.6.2 Company snapshot
 - 10.6.3 Operating business segments
 - 10.6.4 Product portfolio
 - 10.6.5 Business performance
 - 10.6.6 Key strategic moves and developments
- 10.7 Elbit Systems
 - 10.7.1 Company overview
 - 10.7.2 Company snapshot
 - 10.7.3 Operating business segments
 - 10.7.4 Product portfolio
 - 10.7.5 Business performance
 - 10.7.6 Key strategic moves and developments
- 10.8 Embraer
 - 10.8.1 Company overview
 - 10.8.2 Company snapshot
 - 10.8.3 Operating business segments
 - 10.8.4 Product portfolio
 - 10.8.5 Business performance

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 10.8.6 Key strategic moves and developments
- 10.9 General Atomics Aeronautical Systems
 - 10.9.1 Company overview
 - 10.9.2 Company snapshot
 - 10.9.3 Operating business segments
 - 10.9.4 Product portfolio
 - 10.9.5 Business performance
 - 10.9.6 Key strategic moves and developments
- 10.10 Kitty Hawk
 - 10.10.1 Company overview
 - 10.10.2 Company snapshot
 - 10.10.3 Operating business segments
 - 10.10.4 Product portfolio
 - 10.10.5 Business performance
 - 10.10.6 Key strategic moves and developments
- 10.11 Lockheed Martin
 - 10.11.1 Company overview
 - 10.11.2 Company snapshot
 - 10.11.3 Operating business segments
 - 10.11.4 Product portfolio
 - 10.11.5 Business performance
 - 10.11.6 Key strategic moves and developments
- 10.12 Northrop Grumman
 - 10.12.1 Company overview
 - 10.12.2 Company snapshot
 - 10.12.3 Operating business segments
 - 10.12.4 Product portfolio
 - 10.12.5 Business performance
 - 10.12.6 Key strategic moves and developments
- 10.13 Raytheon
 - 10.13.1 Company overview
 - 10.13.2 Company snapshot
 - 10.13.3 Operating business segments
 - 10.13.4 Product portfolio
 - 10.13.5 Business performance
 - 10.13.6 Key strategic moves and developments
- 10.14 Saab
 - 10.14.1 Company overview
 - 10.14.2 Company snapshot
 - 10.14.3 Operating business segments
 - 10.14.4 Product portfolio
 - 10.14.5 Business performance
 - 10.14.6 Key strategic moves and developments
- 10.15 Volocopter GmbH
 - 10.15.1 Company overview
 - 10.15.2 Company snapshot
 - 10.15.3 Operating business segments

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 10.15.4 Product portfolio
- 10.15.5 Business performance
- 10.15.6 Key strategic moves and developments
- 10.16 Joby Aviation (Key Innovator)
 - 10.16.1 Company overview
 - 10.16.2 Company snapshot
 - 10.16.3 Operating business segments
 - 10.16.4 Product portfolio
 - 10.16.5 Business performance
 - 10.16.6 Key strategic moves and developments
- 10.17 Karem Aircraft Inc. (Key Innovator)
 - 10.17.1 Company overview
 - 10.17.2 Company snapshot
 - 10.17.3 Operating business segments
 - 10.17.4 Product portfolio
 - 10.17.5 Business performance
 - 10.17.6 Key strategic moves and developments

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Autonomous Aircraft Market By Aircraft Size (Narrow Body, Wide Body, Others), By Maximum Takeoff Weight (Less Than 2500 Kg, More Than 2500 Kg), By Application (Military & Defence, Civil & Commercial, Others), By End-Use (Cargo & Industrial, Passenger): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2022-07-01 | 338 pages | Allied Market Research

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Cloud Access License	\$3110.40
	Business User License	\$5157.00
	Enterprise License	\$8640.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

☐ ** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Date

2025-06-24

Signature

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com