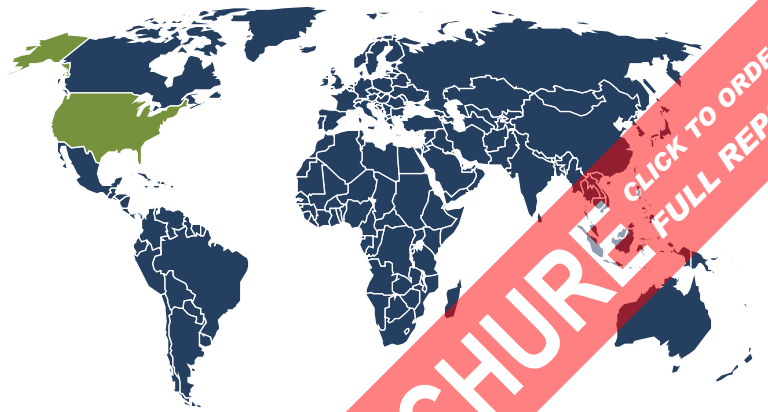




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# Civil Aircraft: United States

May 2019



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# About This Report

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## Scope

This report forecasts to 2023 US civil aircraft shipments and demand in nominal US dollars at the manufacturer level. Total shipments are segmented by type in terms of:

- transport jets
- business jets
- helicopters
- turboprop
- piston

To illustrate historical trends, total shipments, total demand, the various shipment segments, and trade are provided in annual series from 2008 to 2018.

The scope of this report covers new, completed civil aircraft. Excluded are sales of used aircraft as well as sales of individual engines and other parts. Unpowered aircraft, unmanned aerial vehicles (or drones), military aircraft, and space vehicles are also excluded.

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the Table of Contents.

## Sources

*Civil Aircraft: United States* (FF85011) represents the synthesis and analysis of data from various secondary, macroeconomic, and demographic sources, such as:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- intergovernmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

## Industry Codes

Table 10 | NAICS & SIC Codes Related to Civil Aircraft

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industrial Classification	
336411	Aircraft Manufacturing	3721	Aircraft
336412	Aircraft Engine and Engine Parts Manufacturing	3724	Aircraft Engines and Engine Parts
336413	Other Aircraft Parts and Auxiliary Equipment Manufacturing	3728	Aircraft Parts and Auxiliary Equipment, NEC

Source: US Census Bureau

## Freedonia Methodology

The Freedonia Group, a subsidiary of MarketResearch.com, has been in business for more than 30 years and in that time has developed a comprehensive approach to data analysis that takes into account the variety of industries covered and the evolving needs of our customers.

Every industry presents different challenges in market sizing and forecasting, and this requires flexibility in methodology and approach. Freedonia methodology integrates a variety of quantitative and qualitative techniques to present the best overall picture of a market’s current position as well as its future outlook: When published data are available, we make sure they are correct and representative of reality. We understand that published data often have flaws either in scope or quality, and adjustments are made accordingly. Where no data are available, we use various methodologies to develop market sizing (both top-down and bottom-up) and then triangulate those results to come up with the most accurate data series possible. Regardless of approach, we also talk to industry participants to verify both historical perspective and future growth opportunities.

Methods used in the preparation of Freedonia market research include, but are not limited to, the following activities: comprehensive data mining and evaluation, primary research, consensus forecasting and analysis, ratio analysis using key indicators, regression analysis, end use growth indices and intensity factors, purchase power parity adjustments for global data, consumer and end user surveys, market share and corporate sales analysis, product lifespan analysis, product or market life cycle analysis, graphical data modeling, long-term historical trend analysis, bottom-up and top-down demand modeling, and comparative market size ranking.

Freedonia quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or  $r^2$ . The most stable data series relative to the trend carries an  $r^2$  value of

## About This Report

1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

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## Resources

### The Freedonia Group

#### Freedonia Industry Studies

*Drones (UAVs)*

*Global Agricultural Equipment*

*Global Bus Market*

*Global Mining Equipment*

*Global Motorcycles*

*Global Off-Road Equipment Technology 2019*

*Global Power Tools Market*

*Global Tires*

*Recreational Boating in the US*

*Recreational Vehicles in the US*

*Safety & Security Drones in the US*

#### Freedonia Focus Reports

*Freight by Rail: United States*

*Freight Services: United States*

*Macroeconomy: United States*

*Medium- & Heavy-Duty Trucks & Buses: United States*

*Motor Vehicles: United States*

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*Titanium: United States*

*Transport Equipment: United States*

*Travel Services: United States*

*Water Transport Services: United States*

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*Aviation Pros*

*Aviation Voice*

*Aviation Week*

*Business Jet Traveler*

*Design News*

*Fire Aviation*

*FlightGlobal*

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*Flying Magazine*

*Helicopter Industry*

*Rotor & Wing International*

### **Agencies & Associations**

Aerospace Industries Association

Aircraft Owners and Pilots Association

Airlines for America

General Aviation Manufacturers Association

Helicopter Association International

International Air Transport Association

National Business Aviation Association

Regional Airline Association

United Nations

International Civil Aviation Organization

United States Bureau of Economic Analysis

United States Census Bureau

United States Department of Transportation

Bureau of Transportation Statistics

Federal Aviation Administration

United States International Trade Commission