

Global Fully Functional Flight Simulator Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GD9BA0E72C14EN.html>

Date: June 2026

Pages: 140

Price: US\$ 4,480.00 (Single User License)

ID: GD9BA0E72C14EN

Abstracts

The global Fully Functional Flight Simulator market size is expected to reach \$ 1658 million by 2032, rising at a market growth of 5.1% CAGR during the forecast period (2026-2032).

A Fully Functional Flight Simulator (FFFS) is an advanced training system that replicates the entire cockpit environment, flight dynamics, and operational conditions of a real aircraft. It provides pilots with realistic experiences of flying, including instrument readings, navigation, control responses, and emergency scenarios, enabling safe and comprehensive training without leaving the ground. In 2025, global Fully Functional Flight Simulator production reached approximately 2122 units, with an average global market price of around 530 k USD/unit. The production capacity for Fully Functional Flight Simulator in 2025 was approximately 2500 units. The typical gross profit margin for Fully Functional Flight Simulator between 20% and 40%.

Fully Functional Flight Simulators are used across commercial aviation, military pilot training, and research institutions. The market for FFFS is driven by increasing demand for pilot training, aviation safety standards, and the growing complexity of modern aircraft. The market includes hardware and software vendors providing simulators with high-fidelity motion platforms, visual systems, and integrated avionics. Key trends involve digital transformation, virtual reality integration, and modular simulators to reduce cost while maintaining realism.

This report studies the global Fully Functional Flight Simulator production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Fully

Functional Flight Simulator and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Fully Functional Flight Simulator that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Fully Functional Flight Simulator total production and demand, 2021-2032, (Units)

Global Fully Functional Flight Simulator total production value, 2021-2032, (USD Million)

Global Fully Functional Flight Simulator production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Fully Functional Flight Simulator consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Fully Functional Flight Simulator domestic production, consumption, key domestic manufacturers and share

Global Fully Functional Flight Simulator production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Fully Functional Flight Simulator production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Fully Functional Flight Simulator production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Fully Functional Flight Simulator market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include CAE, Thales, FlightSafety International, Indra, Textron, Reiser Simulation and Training, VRM, Frasca, Redbird FMX, Ryan Aerospace, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Fully Functional Flight Simulator market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (K US\$/Unit) by

manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Fully Functional Flight Simulator Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Fully Functional Flight Simulator Market, Segmentation by Type:

Levels A

Levels B

Levels C

Levels D

Global Fully Functional Flight Simulator Market, Segmentation by Motion Type:

Limited Motion

Full-Motion

Global Fully Functional Flight Simulator Market, Segmentation by Technology:

Motion-Based Simulator

Fixed-Base Virtual Simulator

VR / AR Simulator

Global Fully Functional Flight Simulator Market, Segmentation by Application:

Commercial Pilot Training

Military Training

Private Pilot Training

Companies Profiled:

CAE

Thales

FlightSafety International

Indra

Textron

Reiser Simulation and Training

VRM

Frasca

Redbird FMX

Ryan Aerospace

FLYIT

Boeing Global Services

L3 Technologies

ALSIM

Rheinmetall AG

ELITE Simulation Solutions

AVIC

Beijing Bluesky Aviation Technology

Beijing Moreget Creative Technology

Transwarp Technology

Key Questions Answered:

1. How big is the global Fully Functional Flight Simulator market?
2. What is the demand of the global Fully Functional Flight Simulator market?
3. What is the year over year growth of the global Fully Functional Flight Simulator market?
4. What is the production and production value of the global Fully Functional Flight Simulator market?
5. Who are the key producers in the global Fully Functional Flight Simulator market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Fully Functional Flight Simulator Introduction
- 1.2 World Fully Functional Flight Simulator Supply & Forecast
 - 1.2.1 World Fully Functional Flight Simulator Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Fully Functional Flight Simulator Production (2021-2032)
 - 1.2.3 World Fully Functional Flight Simulator Pricing Trends (2021-2032)
- 1.3 World Fully Functional Flight Simulator Production by Region (Based on Production Site)
 - 1.3.1 World Fully Functional Flight Simulator Production Value by Region (2021-2032)
 - 1.3.2 World Fully Functional Flight Simulator Production by Region (2021-2032)
 - 1.3.3 World Fully Functional Flight Simulator Average Price by Region (2021-2032)
 - 1.3.4 North America Fully Functional Flight Simulator Production (2021-2032)
 - 1.3.5 Europe Fully Functional Flight Simulator Production (2021-2032)
 - 1.3.6 China Fully Functional Flight Simulator Production (2021-2032)
 - 1.3.7 Japan Fully Functional Flight Simulator Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Fully Functional Flight Simulator Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Fully Functional Flight Simulator Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Fully Functional Flight Simulator Demand (2021-2032)
- 2.2 World Fully Functional Flight Simulator Consumption by Region
 - 2.2.1 World Fully Functional Flight Simulator Consumption by Region (2021-2026)
 - 2.2.2 World Fully Functional Flight Simulator Consumption Forecast by Region (2027-2032)
- 2.3 United States Fully Functional Flight Simulator Consumption (2021-2032)
- 2.4 China Fully Functional Flight Simulator Consumption (2021-2032)
- 2.5 Europe Fully Functional Flight Simulator Consumption (2021-2032)
- 2.6 Japan Fully Functional Flight Simulator Consumption (2021-2032)
- 2.7 South Korea Fully Functional Flight Simulator Consumption (2021-2032)
- 2.8 ASEAN Fully Functional Flight Simulator Consumption (2021-2032)
- 2.9 India Fully Functional Flight Simulator Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Fully Functional Flight Simulator Production Value by Manufacturer (2021-2026)
- 3.2 World Fully Functional Flight Simulator Production by Manufacturer (2021-2026)
- 3.3 World Fully Functional Flight Simulator Average Price by Manufacturer (2021-2026)
- 3.4 Fully Functional Flight Simulator Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Fully Functional Flight Simulator Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Fully Functional Flight Simulator in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Fully Functional Flight Simulator in 2025
- 3.6 Fully Functional Flight Simulator Market: Overall Company Footprint Analysis
 - 3.6.1 Fully Functional Flight Simulator Market: Region Footprint
 - 3.6.2 Fully Functional Flight Simulator Market: Company Product Type Footprint
 - 3.6.3 Fully Functional Flight Simulator Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Fully Functional Flight Simulator Production Value Comparison
 - 4.1.1 United States VS China: Fully Functional Flight Simulator Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Fully Functional Flight Simulator Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Fully Functional Flight Simulator Production Comparison
 - 4.2.1 United States VS China: Fully Functional Flight Simulator Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Fully Functional Flight Simulator Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Fully Functional Flight Simulator Consumption Comparison
 - 4.3.1 United States VS China: Fully Functional Flight Simulator Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Fully Functional Flight Simulator Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Fully Functional Flight Simulator Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Fully Functional Flight Simulator Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Fully Functional Flight Simulator Production Value (2021-2026)

4.4.3 United States Based Manufacturers Fully Functional Flight Simulator Production (2021-2026)

4.5 China Based Fully Functional Flight Simulator Manufacturers and Market Share

4.5.1 China Based Fully Functional Flight Simulator Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Fully Functional Flight Simulator Production Value (2021-2026)

4.5.3 China Based Manufacturers Fully Functional Flight Simulator Production (2021-2026)

4.6 Rest of World Based Fully Functional Flight Simulator Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Fully Functional Flight Simulator Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Fully Functional Flight Simulator Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Fully Functional Flight Simulator Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Fully Functional Flight Simulator Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Levels A

5.2.2 Levels B

5.2.3 Levels C

5.2.4 Levels D

5.3 Market Segment by Type

5.3.1 World Fully Functional Flight Simulator Production by Type (2021-2032)

5.3.2 World Fully Functional Flight Simulator Production Value by Type (2021-2032)

5.3.3 World Fully Functional Flight Simulator Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY MOTION TYPE

6.1 World Fully Functional Flight Simulator Market Size Overview by Motion Type: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Motion Type

6.2.1 Limited Motion

6.2.2 Full-Motion

6.3 Market Segment by Motion Type

6.3.1 World Fully Functional Flight Simulator Production by Motion Type (2021-2032)

6.3.2 World Fully Functional Flight Simulator Production Value by Motion Type (2021-2032)

6.3.3 World Fully Functional Flight Simulator Average Price by Motion Type (2021-2032)

7 MARKET ANALYSIS BY TECHNOLOGY

7.1 World Fully Functional Flight Simulator Market Size Overview by Technology: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Technology

7.2.1 Motion-Based Simulator

7.2.2 Fixed-Base Virtual Simulator

7.2.3 VR / AR Simulator

7.3 Market Segment by Technology

7.3.1 World Fully Functional Flight Simulator Production by Technology (2021-2032)

7.3.2 World Fully Functional Flight Simulator Production Value by Technology (2021-2032)

7.3.3 World Fully Functional Flight Simulator Average Price by Technology (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Fully Functional Flight Simulator Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Commercial Pilot Training

8.2.2 Military Training

8.2.3 Private Pilot Training

8.3 Market Segment by Application

8.3.1 World Fully Functional Flight Simulator Production by Application (2021-2032)

8.3.2 World Fully Functional Flight Simulator Production Value by Application (2021-2032)

8.3.3 World Fully Functional Flight Simulator Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 CAE

9.1.1 CAE Details

9.1.2 CAE Major Business

9.1.3 CAE Fully Functional Flight Simulator Product and Services

9.1.4 CAE Fully Functional Flight Simulator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 CAE Recent Developments/Updates

9.1.6 CAE Competitive Strengths & Weaknesses

9.2 Thales

9.2.1 Thales Details

9.2.2 Thales Major Business

9.2.3 Thales Fully Functional Flight Simulator Product and Services

9.2.4 Thales Fully Functional Flight Simulator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 Thales Recent Developments/Updates

9.2.6 Thales Competitive Strengths & Weaknesses

9.3 FlightSafety International

9.3.1 FlightSafety International Details

9.3.2 FlightSafety International Major Business

9.3.3 FlightSafety International Fully Functional Flight Simulator Product and Services

9.3.4 FlightSafety International Fully Functional Flight Simulator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 FlightSafety International Recent Developments/Updates

9.3.6 FlightSafety International Competitive Strengths & Weaknesses

9.4 Indra

9.4.1 Indra Details

9.4.2 Indra Major Business

9.4.3 Indra Fully Functional Flight Simulator Product and Services

9.4.4 Indra Fully Functional Flight Simulator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Indra Recent Developments/Updates

9.4.6 Indra Competitive Strengths & Weaknesses

9.5 Textron

9.5.1 Textron Details

9.5.2 Textron Major Business

- 9.5.3 Textron Fully Functional Flight Simulator Product and Services
- 9.5.4 Textron Fully Functional Flight Simulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.5.5 Textron Recent Developments/Updates
- 9.5.6 Textron Competitive Strengths & Weaknesses
- 9.6 Reiser Simulation and Training
 - 9.6.1 Reiser Simulation and Training Details
 - 9.6.2 Reiser Simulation and Training Major Business
 - 9.6.3 Reiser Simulation and Training Fully Functional Flight Simulator Product and Services
 - 9.6.4 Reiser Simulation and Training Fully Functional Flight Simulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.6.5 Reiser Simulation and Training Recent Developments/Updates
 - 9.6.6 Reiser Simulation and Training Competitive Strengths & Weaknesses
- 9.7 VRM
 - 9.7.1 VRM Details
 - 9.7.2 VRM Major Business
 - 9.7.3 VRM Fully Functional Flight Simulator Product and Services
 - 9.7.4 VRM Fully Functional Flight Simulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.7.5 VRM Recent Developments/Updates
 - 9.7.6 VRM Competitive Strengths & Weaknesses
- 9.8 Frasca
 - 9.8.1 Frasca Details
 - 9.8.2 Frasca Major Business
 - 9.8.3 Frasca Fully Functional Flight Simulator Product and Services
 - 9.8.4 Frasca Fully Functional Flight Simulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.8.5 Frasca Recent Developments/Updates
 - 9.8.6 Frasca Competitive Strengths & Weaknesses
- 9.9 Redbird FMX
 - 9.9.1 Redbird FMX Details
 - 9.9.2 Redbird FMX Major Business
 - 9.9.3 Redbird FMX Fully Functional Flight Simulator Product and Services
 - 9.9.4 Redbird FMX Fully Functional Flight Simulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.9.5 Redbird FMX Recent Developments/Updates
 - 9.9.6 Redbird FMX Competitive Strengths & Weaknesses
- 9.10 Ryan Aerospace

- 9.10.1 Ryan Aerospace Details
- 9.10.2 Ryan Aerospace Major Business
- 9.10.3 Ryan Aerospace Fully Functional Flight Simulator Product and Services
- 9.10.4 Ryan Aerospace Fully Functional Flight Simulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.10.5 Ryan Aerospace Recent Developments/Updates
- 9.10.6 Ryan Aerospace Competitive Strengths & Weaknesses
- 9.11 FLYIT
- 9.11.1 FLYIT Details
- 9.11.2 FLYIT Major Business
- 9.11.3 FLYIT Fully Functional Flight Simulator Product and Services
- 9.11.4 FLYIT Fully Functional Flight Simulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.11.5 FLYIT Recent Developments/Updates
- 9.11.6 FLYIT Competitive Strengths & Weaknesses
- 9.12 Boeing Global Services
- 9.12.1 Boeing Global Services Details
- 9.12.2 Boeing Global Services Major Business
- 9.12.3 Boeing Global Services Fully Functional Flight Simulator Product and Services
- 9.12.4 Boeing Global Services Fully Functional Flight Simulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.12.5 Boeing Global Services Recent Developments/Updates
- 9.12.6 Boeing Global Services Competitive Strengths & Weaknesses
- 9.13 L3 Technologies
- 9.13.1 L3 Technologies Details
- 9.13.2 L3 Technologies Major Business
- 9.13.3 L3 Technologies Fully Functional Flight Simulator Product and Services
- 9.13.4 L3 Technologies Fully Functional Flight Simulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.13.5 L3 Technologies Recent Developments/Updates
- 9.13.6 L3 Technologies Competitive Strengths & Weaknesses
- 9.14 ALSIM
- 9.14.1 ALSIM Details
- 9.14.2 ALSIM Major Business
- 9.14.3 ALSIM Fully Functional Flight Simulator Product and Services
- 9.14.4 ALSIM Fully Functional Flight Simulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.14.5 ALSIM Recent Developments/Updates
- 9.14.6 ALSIM Competitive Strengths & Weaknesses

9.15 Rheinmetall AG

9.15.1 Rheinmetall AG Details

9.15.2 Rheinmetall AG Major Business

9.15.3 Rheinmetall AG Fully Functional Flight Simulator Product and Services

9.15.4 Rheinmetall AG Fully Functional Flight Simulator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.15.5 Rheinmetall AG Recent Developments/Updates

9.15.6 Rheinmetall AG Competitive Strengths & Weaknesses

9.16 ELITE Simulation Solutions

9.16.1 ELITE Simulation Solutions Details

9.16.2 ELITE Simulation Solutions Major Business

9.16.3 ELITE Simulation Solutions Fully Functional Flight Simulator Product and Services

9.16.4 ELITE Simulation Solutions Fully Functional Flight Simulator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.16.5 ELITE Simulation Solutions Recent Developments/Updates

9.16.6 ELITE Simulation Solutions Competitive Strengths & Weaknesses

9.17 AVIC

9.17.1 AVIC Details

9.17.2 AVIC Major Business

9.17.3 AVIC Fully Functional Flight Simulator Product and Services

9.17.4 AVIC Fully Functional Flight Simulator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.17.5 AVIC Recent Developments/Updates

9.17.6 AVIC Competitive Strengths & Weaknesses

9.18 Beijing Bluesky Aviation Technology

9.18.1 Beijing Bluesky Aviation Technology Details

9.18.2 Beijing Bluesky Aviation Technology Major Business

9.18.3 Beijing Bluesky Aviation Technology Fully Functional Flight Simulator Product and Services

9.18.4 Beijing Bluesky Aviation Technology Fully Functional Flight Simulator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.18.5 Beijing Bluesky Aviation Technology Recent Developments/Updates

9.18.6 Beijing Bluesky Aviation Technology Competitive Strengths & Weaknesses

9.19 Beijing Moreget Creative Technology

9.19.1 Beijing Moreget Creative Technology Details

9.19.2 Beijing Moreget Creative Technology Major Business

9.19.3 Beijing Moreget Creative Technology Fully Functional Flight Simulator Product and Services

- 9.19.4 Beijing Moreget Creative Technology Fully Functional Flight Simulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.19.5 Beijing Moreget Creative Technology Recent Developments/Updates
- 9.19.6 Beijing Moreget Creative Technology Competitive Strengths & Weaknesses
- 9.20 Transwarp Technology
 - 9.20.1 Transwarp Technology Details
 - 9.20.2 Transwarp Technology Major Business
 - 9.20.3 Transwarp Technology Fully Functional Flight Simulator Product and Services
 - 9.20.4 Transwarp Technology Fully Functional Flight Simulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.20.5 Transwarp Technology Recent Developments/Updates
 - 9.20.6 Transwarp Technology Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 Fully Functional Flight Simulator Industry Chain
- 10.2 Fully Functional Flight Simulator Upstream Analysis
 - 10.2.1 Fully Functional Flight Simulator Core Raw Materials
 - 10.2.2 Main Manufacturers of Fully Functional Flight Simulator Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Fully Functional Flight Simulator Production Mode
- 10.6 Fully Functional Flight Simulator Procurement Model
- 10.7 Fully Functional Flight Simulator Industry Sales Model and Sales Channels
 - 10.7.1 Fully Functional Flight Simulator Sales Model
 - 10.7.2 Fully Functional Flight Simulator Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

- 12.1 Methodology
- 12.2 Research Process and Data Source
- 12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Fully Functional Flight Simulator Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Fully Functional Flight Simulator Production Value by Region (2021-2026) & (USD Million)

Table 3. World Fully Functional Flight Simulator Production Value by Region (2027-2032) & (USD Million)

Table 4. World Fully Functional Flight Simulator Production Value Market Share by Region (2021-2026)

Table 5. World Fully Functional Flight Simulator Production Value Market Share by Region (2027-2032)

Table 6. World Fully Functional Flight Simulator Production by Region (2021-2026) & (Units)

Table 7. World Fully Functional Flight Simulator Production by Region (2027-2032) & (Units)

Table 8. World Fully Functional Flight Simulator Production Market Share by Region (2021-2026)

Table 9. World Fully Functional Flight Simulator Production Market Share by Region (2027-2032)

Table 10. World Fully Functional Flight Simulator Average Price by Region (2021-2026) & (K US\$/Unit)

Table 11. World Fully Functional Flight Simulator Average Price by Region (2027-2032) & (K US\$/Unit)

Table 12. Fully Functional Flight Simulator Major Market Trends

Table 13. World Fully Functional Flight Simulator Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Units)

Table 14. World Fully Functional Flight Simulator Consumption by Region (2021-2026) & (Units)

Table 15. World Fully Functional Flight Simulator Consumption Forecast by Region (2027-2032) & (Units)

Table 16. World Fully Functional Flight Simulator Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Fully Functional Flight Simulator Producers in 2025

Table 18. World Fully Functional Flight Simulator Production by Manufacturer (2021-2026) & (Units)

Table 19. Production Market Share of Key Fully Functional Flight Simulator Producers in 2025

Table 20. World Fully Functional Flight Simulator Average Price by Manufacturer (2021-2026) & (K US\$/Unit)

Table 21. Global Fully Functional Flight Simulator Company Evaluation Quadrant

Table 22. World Fully Functional Flight Simulator Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Fully Functional Flight Simulator Production Site of Key Manufacturer

Table 24. Fully Functional Flight Simulator Market: Company Product Type Footprint

Table 25. Fully Functional Flight Simulator Market: Company Product Application Footprint

Table 26. Fully Functional Flight Simulator Competitive Factors

Table 27. Fully Functional Flight Simulator New Entrant and Capacity Expansion Plans

Table 28. Fully Functional Flight Simulator Mergers & Acquisitions Activity

Table 29. United States VS China Fully Functional Flight Simulator Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Fully Functional Flight Simulator Production Comparison, (2021 & 2025 & 2032) & (Units)

Table 31. United States VS China Fully Functional Flight Simulator Consumption Comparison, (2021 & 2025 & 2032) & (Units)

Table 32. United States Based Fully Functional Flight Simulator Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Fully Functional Flight Simulator Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Fully Functional Flight Simulator Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Fully Functional Flight Simulator Production (2021-2026) & (Units)

Table 36. United States Based Manufacturers Fully Functional Flight Simulator Production Market Share (2021-2026)

Table 37. China Based Fully Functional Flight Simulator Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Fully Functional Flight Simulator Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Fully Functional Flight Simulator Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Fully Functional Flight Simulator Production, (2021-2026) & (Units)

Table 41. China Based Manufacturers Fully Functional Flight Simulator Production Market Share (2021-2026)

Table 42. Rest of World Based Fully Functional Flight Simulator Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Fully Functional Flight Simulator Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Fully Functional Flight Simulator Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Fully Functional Flight Simulator Production, (2021-2026) & (Units)

Table 46. Rest of World Based Manufacturers Fully Functional Flight Simulator Production Market Share (2021-2026)

Table 47. World Fully Functional Flight Simulator Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Fully Functional Flight Simulator Production by Type (2021-2026) & (Units)

Table 49. World Fully Functional Flight Simulator Production by Type (2027-2032) & (Units)

Table 50. World Fully Functional Flight Simulator Production Value by Type (2021-2026) & (USD Million)

Table 51. World Fully Functional Flight Simulator Production Value by Type (2027-2032) & (USD Million)

Table 52. World Fully Functional Flight Simulator Average Price by Type (2021-2026) & (K US\$/Unit)

Table 53. World Fully Functional Flight Simulator Average Price by Type (2027-2032) & (K US\$/Unit)

Table 54. World Fully Functional Flight Simulator Production Value by Motion Type, (USD Million), 2021 & 2025 & 2032

Table 55. World Fully Functional Flight Simulator Production by Motion Type (2021-2026) & (Units)

Table 56. World Fully Functional Flight Simulator Production by Motion Type (2027-2032) & (Units)

Table 57. World Fully Functional Flight Simulator Production Value by Motion Type (2021-2026) & (USD Million)

Table 58. World Fully Functional Flight Simulator Production Value by Motion Type (2027-2032) & (USD Million)

Table 59. World Fully Functional Flight Simulator Average Price by Motion Type (2021-2026) & (K US\$/Unit)

Table 60. World Fully Functional Flight Simulator Average Price by Motion Type

(2027-2032) & (K US\$/Unit)

Table 61. World Fully Functional Flight Simulator Production Value by Technology, (USD Million), 2021 & 2025 & 2032

Table 62. World Fully Functional Flight Simulator Production by Technology (2021-2026) & (Units)

Table 63. World Fully Functional Flight Simulator Production by Technology (2027-2032) & (Units)

Table 64. World Fully Functional Flight Simulator Production Value by Technology (2021-2026) & (USD Million)

Table 65. World Fully Functional Flight Simulator Production Value by Technology (2027-2032) & (USD Million)

Table 66. World Fully Functional Flight Simulator Average Price by Technology (2021-2026) & (K US\$/Unit)

Table 67. World Fully Functional Flight Simulator Average Price by Technology (2027-2032) & (K US\$/Unit)

Table 68. World Fully Functional Flight Simulator Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Fully Functional Flight Simulator Production by Application (2021-2026) & (Units)

Table 70. World Fully Functional Flight Simulator Production by Application (2027-2032) & (Units)

Table 71. World Fully Functional Flight Simulator Production Value by Application (2021-2026) & (USD Million)

Table 72. World Fully Functional Flight Simulator Production Value by Application (2027-2032) & (USD Million)

Table 73. World Fully Functional Flight Simulator Average Price by Application (2021-2026) & (K US\$/Unit)

Table 74. World Fully Functional Flight Simulator Average Price by Application (2027-2032) & (K US\$/Unit)

Table 75. CAE Basic Information, Manufacturing Base and Competitors

Table 76. CAE Major Business

Table 77. CAE Fully Functional Flight Simulator Product and Services

Table 78. CAE Fully Functional Flight Simulator Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. CAE Recent Developments/Updates

Table 80. CAE Competitive Strengths & Weaknesses

Table 81. Thales Basic Information, Manufacturing Base and Competitors

Table 82. Thales Major Business

Table 83. Thales Fully Functional Flight Simulator Product and Services

Table 84. Thales Fully Functional Flight Simulator Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Thales Recent Developments/Updates

Table 86. Thales Competitive Strengths & Weaknesses

Table 87. FlightSafety International Basic Information, Manufacturing Base and Competitors

Table 88. FlightSafety International Major Business

Table 89. FlightSafety International Fully Functional Flight Simulator Product and Services

Table 90. FlightSafety International Fully Functional Flight Simulator Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. FlightSafety International Recent Developments/Updates

Table 92. FlightSafety International Competitive Strengths & Weaknesses

Table 93. Indra Basic Information, Manufacturing Base and Competitors

Table 94. Indra Major Business

Table 95. Indra Fully Functional Flight Simulator Product and Services

Table 96. Indra Fully Functional Flight Simulator Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Indra Recent Developments/Updates

Table 98. Indra Competitive Strengths & Weaknesses

Table 99. Textron Basic Information, Manufacturing Base and Competitors

Table 100. Textron Major Business

Table 101. Textron Fully Functional Flight Simulator Product and Services

Table 102. Textron Fully Functional Flight Simulator Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Textron Recent Developments/Updates

Table 104. Textron Competitive Strengths & Weaknesses

Table 105. Reiser Simulation and Training Basic Information, Manufacturing Base and Competitors

Table 106. Reiser Simulation and Training Major Business

Table 107. Reiser Simulation and Training Fully Functional Flight Simulator Product and Services

Table 108. Reiser Simulation and Training Fully Functional Flight Simulator Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Reiser Simulation and Training Recent Developments/Updates

Table 110. Reiser Simulation and Training Competitive Strengths & Weaknesses

Table 111. VRM Basic Information, Manufacturing Base and Competitors

Table 112. VRM Major Business

Table 113. VRM Fully Functional Flight Simulator Product and Services

Table 114. VRM Fully Functional Flight Simulator Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. VRM Recent Developments/Updates

Table 116. VRM Competitive Strengths & Weaknesses

Table 117. Frasca Basic Information, Manufacturing Base and Competitors

Table 118. Frasca Major Business

Table 119. Frasca Fully Functional Flight Simulator Product and Services

Table 120. Frasca Fully Functional Flight Simulator Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Frasca Recent Developments/Updates

Table 122. Frasca Competitive Strengths & Weaknesses

Table 123. Redbird FMX Basic Information, Manufacturing Base and Competitors

Table 124. Redbird FMX Major Business

Table 125. Redbird FMX Fully Functional Flight Simulator Product and Services

Table 126. Redbird FMX Fully Functional Flight Simulator Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. Redbird FMX Recent Developments/Updates

Table 128. Redbird FMX Competitive Strengths & Weaknesses

Table 129. Ryan Aerospace Basic Information, Manufacturing Base and Competitors

Table 130. Ryan Aerospace Major Business

Table 131. Ryan Aerospace Fully Functional Flight Simulator Product and Services

Table 132. Ryan Aerospace Fully Functional Flight Simulator Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Ryan Aerospace Recent Developments/Updates

Table 134. Ryan Aerospace Competitive Strengths & Weaknesses

Table 135. FLYIT Basic Information, Manufacturing Base and Competitors

Table 136. FLYIT Major Business

Table 137. FLYIT Fully Functional Flight Simulator Product and Services

Table 138. FLYIT Fully Functional Flight Simulator Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. FLYIT Recent Developments/Updates

Table 140. FLYIT Competitive Strengths & Weaknesses

Table 141. Boeing Global Services Basic Information, Manufacturing Base and Competitors

Table 142. Boeing Global Services Major Business

Table 143. Boeing Global Services Fully Functional Flight Simulator Product and Services

Table 144. Boeing Global Services Fully Functional Flight Simulator Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Boeing Global Services Recent Developments/Updates

Table 146. Boeing Global Services Competitive Strengths & Weaknesses

Table 147. L3 Technologies Basic Information, Manufacturing Base and Competitors

Table 148. L3 Technologies Major Business

Table 149. L3 Technologies Fully Functional Flight Simulator Product and Services

Table 150. L3 Technologies Fully Functional Flight Simulator Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. L3 Technologies Recent Developments/Updates

Table 152. L3 Technologies Competitive Strengths & Weaknesses

Table 153. ALSIM Basic Information, Manufacturing Base and Competitors

Table 154. ALSIM Major Business

Table 155. ALSIM Fully Functional Flight Simulator Product and Services

Table 156. ALSIM Fully Functional Flight Simulator Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. ALSIM Recent Developments/Updates

Table 158. ALSIM Competitive Strengths & Weaknesses

Table 159. Rheinmetall AG Basic Information, Manufacturing Base and Competitors

Table 160. Rheinmetall AG Major Business

Table 161. Rheinmetall AG Fully Functional Flight Simulator Product and Services

Table 162. Rheinmetall AG Fully Functional Flight Simulator Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. Rheinmetall AG Recent Developments/Updates

Table 164. Rheinmetall AG Competitive Strengths & Weaknesses

Table 165. ELITE Simulation Solutions Basic Information, Manufacturing Base and Competitors

Table 166. ELITE Simulation Solutions Major Business

Table 167. ELITE Simulation Solutions Fully Functional Flight Simulator Product and Services

Table 168. ELITE Simulation Solutions Fully Functional Flight Simulator Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 169. ELITE Simulation Solutions Recent Developments/Updates

Table 170. ELITE Simulation Solutions Competitive Strengths & Weaknesses

Table 171. AVIC Basic Information, Manufacturing Base and Competitors

Table 172. AVIC Major Business

Table 173. AVIC Fully Functional Flight Simulator Product and Services

Table 174. AVIC Fully Functional Flight Simulator Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 175. AVIC Recent Developments/Updates

Table 176. AVIC Competitive Strengths & Weaknesses

Table 177. Beijing Bluesky Aviation Technology Basic Information, Manufacturing Base and Competitors

Table 178. Beijing Bluesky Aviation Technology Major Business

Table 179. Beijing Bluesky Aviation Technology Fully Functional Flight Simulator Product and Services

Table 180. Beijing Bluesky Aviation Technology Fully Functional Flight Simulator Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 181. Beijing Bluesky Aviation Technology Recent Developments/Updates

Table 182. Beijing Bluesky Aviation Technology Competitive Strengths & Weaknesses

Table 183. Beijing Moreget Creative Technology Basic Information, Manufacturing Base and Competitors

Table 184. Beijing Moreget Creative Technology Major Business

Table 185. Beijing Moreget Creative Technology Fully Functional Flight Simulator Product and Services

Table 186. Beijing Moreget Creative Technology Fully Functional Flight Simulator Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 187. Beijing Moreget Creative Technology Recent Developments/Updates

Table 188. Beijing Moreget Creative Technology Competitive Strengths & Weaknesses

Table 189. Transwarp Technology Basic Information, Manufacturing Base and Competitors

Table 190. Transwarp Technology Major Business

Table 191. Transwarp Technology Fully Functional Flight Simulator Product and

Services

Table 192. Transwarp Technology Fully Functional Flight Simulator Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 193. Transwarp Technology Recent Developments/Updates

Table 194. Transwarp Technology Competitive Strengths & Weaknesses

Table 195. Global Key Players of Fully Functional Flight Simulator Upstream (Raw Materials)

Table 196. Global Fully Functional Flight Simulator Typical Customers

Table 197. Fully Functional Flight Simulator Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Fully Functional Flight Simulator Picture

Figure 2. World Fully Functional Flight Simulator Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Fully Functional Flight Simulator Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Fully Functional Flight Simulator Production (2021-2032) & (Units)

Figure 5. World Fully Functional Flight Simulator Average Price (2021-2032) & (K US\$/Unit)

Figure 6. World Fully Functional Flight Simulator Production Value Market Share by Region (2021-2032)

Figure 7. World Fully Functional Flight Simulator Production Market Share by Region (2021-2032)

Figure 8. North America Fully Functional Flight Simulator Production (2021-2032) & (Units)

Figure 9. Europe Fully Functional Flight Simulator Production (2021-2032) & (Units)

Figure 10. China Fully Functional Flight Simulator Production (2021-2032) & (Units)

Figure 11. Japan Fully Functional Flight Simulator Production (2021-2032) & (Units)

Figure 12. Fully Functional Flight Simulator Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Fully Functional Flight Simulator Consumption (2021-2032) & (Units)

Figure 15. World Fully Functional Flight Simulator Consumption Market Share by Region (2021-2032)

Figure 16. United States Fully Functional Flight Simulator Consumption (2021-2032) & (Units)

Figure 17. China Fully Functional Flight Simulator Consumption (2021-2032) & (Units)

Figure 18. Europe Fully Functional Flight Simulator Consumption (2021-2032) & (Units)

Figure 19. Japan Fully Functional Flight Simulator Consumption (2021-2032) & (Units)

Figure 20. South Korea Fully Functional Flight Simulator Consumption (2021-2032) & (Units)

Figure 21. ASEAN Fully Functional Flight Simulator Consumption (2021-2032) & (Units)

Figure 22. India Fully Functional Flight Simulator Consumption (2021-2032) & (Units)

Figure 23. Producer Shipments of Fully Functional Flight Simulator by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Fully Functional Flight Simulator Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Fully Functional Flight Simulator Markets in 2025

Figure 26. United States VS China: Fully Functional Flight Simulator Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Fully Functional Flight Simulator Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Fully Functional Flight Simulator Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Fully Functional Flight Simulator Production Market Share 2025

Figure 30. China Based Manufacturers Fully Functional Flight Simulator Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Fully Functional Flight Simulator Production Market Share 2025

Figure 32. World Fully Functional Flight Simulator Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Fully Functional Flight Simulator Production Value Market Share by Type in 2025

Figure 34. Levels A

Figure 35. Levels B

Figure 36. Levels C

Figure 37. Levels D

Figure 38. World Fully Functional Flight Simulator Production Market Share by Type (2021-2032)

Figure 39. World Fully Functional Flight Simulator Production Value Market Share by Type (2021-2032)

Figure 40. World Fully Functional Flight Simulator Average Price by Type (2021-2032) & (K US\$/Unit)

Figure 41. World Fully Functional Flight Simulator Production Value by Motion Type, (USD Million), 2021 & 2025 & 2032

Figure 42. World Fully Functional Flight Simulator Production Value Market Share by Motion Type in 2025

Figure 43. Limited Motion

Figure 44. Full-Motion

Figure 45. World Fully Functional Flight Simulator Production Market Share by Motion Type (2021-2032)

Figure 46. World Fully Functional Flight Simulator Production Value Market Share by Motion Type (2021-2032)

Figure 47. World Fully Functional Flight Simulator Average Price by Motion Type

(2021-2032) & (K US\$/Unit)

Figure 48. World Fully Functional Flight Simulator Production Value by Technology, (USD Million), 2021 & 2025 & 2032

Figure 49. World Fully Functional Flight Simulator Production Value Market Share by Technology in 2025

Figure 50. Motion-Based Simulator

Figure 51. Fixed-Base Virtual Simulator

Figure 52. VR / AR Simulator

Figure 53. World Fully Functional Flight Simulator Production Market Share by Technology (2021-2032)

Figure 54. World Fully Functional Flight Simulator Production Value Market Share by Technology (2021-2032)

Figure 55. World Fully Functional Flight Simulator Average Price by Technology (2021-2032) & (K US\$/Unit)

Figure 56. World Fully Functional Flight Simulator Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 57. World Fully Functional Flight Simulator Production Value Market Share by Application in 2025

Figure 58. Commercial Pilot Training

Figure 59. Military Training

Figure 60. Private Pilot Training

Figure 61. World Fully Functional Flight Simulator Production Market Share by Application (2021-2032)

Figure 62. World Fully Functional Flight Simulator Production Value Market Share by Application (2021-2032)

Figure 63. World Fully Functional Flight Simulator Average Price by Application (2021-2032) & (K US\$/Unit)

Figure 64. Fully Functional Flight Simulator Industry Chain

Figure 65. Fully Functional Flight Simulator Procurement Model

Figure 66. Fully Functional Flight Simulator Sales Model

Figure 67. Fully Functional Flight Simulator Sales Channels, Direct Sales, and Distribution

Figure 68. Methodology

Figure 69. Research Process and Data Source

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