

Global Aircraft Single Crystal Superalloy Turbine Blades Industry Growth and Trends Forecast to 2031

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Abstracts

Summary

According to APO Research, The global Aircraft Single Crystal Superalloy Turbine Blades market was estimated at US\$ million in 2025 and is projected to reach a revised size of US\$ million by 2031, witnessing a CAGR of xx% during the forecast period 2026-2031.

North American market for Aircraft Single Crystal Superalloy Turbine Blades is estimated to increase from \$ million in 2025 to reach \$ million by 2031, at a CAGR of % during the forecast period of 2026 through 2031.

Asia-Pacific market for Aircraft Single Crystal Superalloy Turbine Blades is estimated to increase from \$ million in 2025 to reach \$ million by 2031, at a CAGR of % during the forecast period of 2026 through 2031.

Europe market for Aircraft Single Crystal Superalloy Turbine Blades is estimated to increase from \$ million in 2025 to reach \$ million by 2031, at a CAGR of % during the forecast period of 2026 through 2031.

The major global manufacturers of Aircraft Single Crystal Superalloy Turbine Blades include TEI, Suvast, Wedgere, Ligeance Aerospace(Chengdu Aerospace Superalloy Technology), Cisri-gaona, Rolls-Royce, Pratt & Whitney, PCC Airfoils and NIMS, etc. In 2024, the world's top three vendors accounted for approximately % of the revenue.

Report Scope

This report aims to provide a comprehensive presentation of the global market for Aircraft Single Crystal Superalloy Turbine Blades, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Aircraft Single Crystal Superalloy Turbine Blades.

The Aircraft Single Crystal Superalloy Turbine Blades market size, estimations, and forecasts are provided in terms of sales volume (K Units) and revenue (\$ millions), considering 2024 as the base year, with history and forecast data for the period from 2020 to 2031. This report segments the global Aircraft Single Crystal Superalloy Turbine Blades market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2020-2025. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses.

Aircraft Single Crystal Superalloy Turbine Blades Segment by Company

TEI

Suvast

Wedgere

Ligeance Aerospace(Chengdu Aerospace Superalloy Technology)

Cisri-gaona

Rolls-Royce

Pratt & Whitney

PCC Airfoils

NIMS

Aircraft Single Crystal Superalloy Turbine Blades Segment by Type

Cobalt-Based Superalloys

Nickel-Based Superalloys

Others

Aircraft Single Crystal Superalloy Turbine Blades Segment by Application

Widebody

Narrowbody

Others

Aircraft Single Crystal Superalloy Turbine Blades Segment by Region

North America

United States

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Spain

Netherlands

Switzerland

Sweden

Poland

Asia-Pacific

China

Japan

South Korea

India

Australia

Taiwan

Southeast Asia

South America

Brazil

Argentina

Chile

Middle East & Africa

Egypt

South Africa

Israel

Türkiye

GCC Countries

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Aircraft Single Crystal Superalloy Turbine Blades market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.

2. This report will help stakeholders to understand the global industry status and trends of Aircraft Single Crystal Superalloy Turbine Blades and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Aircraft Single Crystal Superalloy Turbine Blades.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Introduces the study scope of this report, executive summary of market segments by type, market size segments for North America, Europe, Asia Pacific, South America, Middle East & Africa.

Chapter 2: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 3: Detailed analysis of Aircraft Single Crystal Superalloy Turbine Blades manufacturers competitive landscape, price, sales, revenue, market share and ranking, latest development plan, merger, and acquisition information, etc.

Chapter 4: Sales, revenue of Aircraft Single Crystal Superalloy Turbine Blades in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the future development prospects, and market space in the world.

Chapter 5: Introduces market segments by application, market size segment for North America, Europe, Asia Pacific, South America, Middle East & Africa.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 7, 8, 9, 10 and 11: North America, Europe, Asia Pacific, South America, Middle East & Africa, sales and revenue by country.

Chapter 12: Analysis of industrial chain, key raw materials, manufacturing cost, and market dynamics.

Chapter 13: Concluding Insights of the report.

Contents

1 MARKET OVERVIEW

1.1 Product Definition

1.2 Global Market Growth Prospects

1.2.1 Global Aircraft Single Crystal Superalloy Turbine Blades Market Size Estimates and Forecasts (2020-2031)

1.2.2 Global Aircraft Single Crystal Superalloy Turbine Blades Sales Estimates and Forecasts (2020-2031)

1.3 Aircraft Single Crystal Superalloy Turbine Blades Market by Type

1.3.1 Cobalt-Based Superalloys

1.3.2 Nickel-Based Superalloys

1.3.3 Others

1.4 Global Aircraft Single Crystal Superalloy Turbine Blades Market Size by Type

1.4.1 Global Aircraft Single Crystal Superalloy Turbine Blades Market Size Overview by Type (2020-2031)

1.4.2 Global Aircraft Single Crystal Superalloy Turbine Blades Historic Market Size Review by Type (2020-2025)

1.4.3 Global Aircraft Single Crystal Superalloy Turbine Blades Forecasted Market Size by Type (2026-2031)

1.5 Key Regions Market Size by Type

1.5.1 North America Aircraft Single Crystal Superalloy Turbine Blades Sales Breakdown by Type (2020-2025)

1.5.2 Europe Aircraft Single Crystal Superalloy Turbine Blades Sales Breakdown by Type (2020-2025)

1.5.3 Asia-Pacific Aircraft Single Crystal Superalloy Turbine Blades Sales Breakdown by Type (2020-2025)

1.5.4 South America Aircraft Single Crystal Superalloy Turbine Blades Sales Breakdown by Type (2020-2025)

1.5.5 Middle East and Africa Aircraft Single Crystal Superalloy Turbine Blades Sales Breakdown by Type (2020-2025)

2 GLOBAL MARKET DYNAMICS

2.1 Aircraft Single Crystal Superalloy Turbine Blades Industry Trends

2.2 Aircraft Single Crystal Superalloy Turbine Blades Industry Drivers

2.3 Aircraft Single Crystal Superalloy Turbine Blades Industry Opportunities and Challenges

2.4 Aircraft Single Crystal Superalloy Turbine Blades Industry Restraints

3 MARKET COMPETITIVE LANDSCAPE BY COMPANY

3.1 Global Top Players by Aircraft Single Crystal Superalloy Turbine Blades Revenue (2020-2025)

3.2 Global Top Players by Aircraft Single Crystal Superalloy Turbine Blades Sales (2020-2025)

3.3 Global Top Players by Aircraft Single Crystal Superalloy Turbine Blades Price (2020-2025)

3.4 Global Aircraft Single Crystal Superalloy Turbine Blades Industry Company Ranking, 2023 VS 2024 VS 2025

3.5 Global Aircraft Single Crystal Superalloy Turbine Blades Major Company Production Sites & Headquarters

3.6 Global Aircraft Single Crystal Superalloy Turbine Blades Company, Product Type & Application

3.7 Global Aircraft Single Crystal Superalloy Turbine Blades Company Establishment Date

3.8 Market Competitive Analysis

3.8.1 Global Aircraft Single Crystal Superalloy Turbine Blades Market CR5 and HHI

3.8.2 Global Top 5 and 10 Aircraft Single Crystal Superalloy Turbine Blades Players Market Share by Revenue in 2024

3.8.3 2023 Aircraft Single Crystal Superalloy Turbine Blades Tier 1, Tier 2, and Tier

4 AIRCRAFT SINGLE CRYSTAL SUPERALLOY TURBINE BLADES REGIONAL STATUS AND OUTLOOK

4.1 Global Aircraft Single Crystal Superalloy Turbine Blades Market Size and CAGR by Region: 2020 VS 2024 VS 2031

4.2 Global Aircraft Single Crystal Superalloy Turbine Blades Historic Market Size by Region

4.2.1 Global Aircraft Single Crystal Superalloy Turbine Blades Sales in Volume by Region (2020-2025)

4.2.2 Global Aircraft Single Crystal Superalloy Turbine Blades Sales in Value by Region (2020-2025)

4.2.3 Global Aircraft Single Crystal Superalloy Turbine Blades Sales (Volume & Value), Price and Gross Margin (2020-2025)

4.3 Global Aircraft Single Crystal Superalloy Turbine Blades Forecasted Market Size by Region

4.3.1 Global Aircraft Single Crystal Superalloy Turbine Blades Sales in Volume by Region (2026-2031)

4.3.2 Global Aircraft Single Crystal Superalloy Turbine Blades Sales in Value by Region (2026-2031)

4.3.3 Global Aircraft Single Crystal Superalloy Turbine Blades Sales (Volume & Value), Price and Gross Margin (2026-2031)

5 AIRCRAFT SINGLE CRYSTAL SUPERALLOY TURBINE BLADES BY APPLICATION

5.1 Aircraft Single Crystal Superalloy Turbine Blades Market by Application

5.1.1 Widebody

5.1.2 Narrowbody

5.1.3 Others

5.2 Global Aircraft Single Crystal Superalloy Turbine Blades Market Size by Application

5.2.1 Global Aircraft Single Crystal Superalloy Turbine Blades Market Size Overview by Application (2020-2031)

5.2.2 Global Aircraft Single Crystal Superalloy Turbine Blades Historic Market Size Review by Application (2020-2025)

5.2.3 Global Aircraft Single Crystal Superalloy Turbine Blades Forecasted Market Size by Application (2026-2031)

5.3 Key Regions Market Size by Application

5.3.1 North America Aircraft Single Crystal Superalloy Turbine Blades Sales Breakdown by Application (2020-2025)

5.3.2 Europe Aircraft Single Crystal Superalloy Turbine Blades Sales Breakdown by Application (2020-2025)

5.3.3 Asia-Pacific Aircraft Single Crystal Superalloy Turbine Blades Sales Breakdown by Application (2020-2025)

5.3.4 South America Aircraft Single Crystal Superalloy Turbine Blades Sales Breakdown by Application (2020-2025)

5.3.5 Middle East and Africa Aircraft Single Crystal Superalloy Turbine Blades Sales Breakdown by Application (2020-2025)

6 COMPANY PROFILES

6.1 TEI

6.1.1 TEI Company Information

6.1.2 TEI Business Overview

6.1.3 TEI Aircraft Single Crystal Superalloy Turbine Blades Sales, Revenue and Gross

Margin (2020-2025)

6.1.4 TEI Aircraft Single Crystal Superalloy Turbine Blades Product Portfolio

6.1.5 TEI Recent Developments

6.2 Suvast

6.2.1 Suvast Comapny Information

6.2.2 Suvast Business Overview

6.2.3 Suvast Aircraft Single Crystal Superalloy Turbine Blades Sales, Revenue and Gross Margin (2020-2025)

6.2.4 Suvast Aircraft Single Crystal Superalloy Turbine Blades Product Portfolio

6.2.5 Suvast Recent Developments

6.3 Wedgere

6.3.1 Wedgere Comapny Information

6.3.2 Wedgere Business Overview

6.3.3 Wedgere Aircraft Single Crystal Superalloy Turbine Blades Sales, Revenue and Gross Margin (2020-2025)

6.3.4 Wedgere Aircraft Single Crystal Superalloy Turbine Blades Product Portfolio

6.3.5 Wedgere Recent Developments

6.4 Ligeance Aerospace(Chengdu Aerospace Superalloy Technology)

6.4.1 Ligeance Aerospace(Chengdu Aerospace Superalloy Technology) Comapny Information

6.4.2 Ligeance Aerospace(Chengdu Aerospace Superalloy Technology) Business Overview

6.4.3 Ligeance Aerospace(Chengdu Aerospace Superalloy Technology) Aircraft Single Crystal Superalloy Turbine Blades Sales, Revenue and Gross Margin (2020-2025)

6.4.4 Ligeance Aerospace(Chengdu Aerospace Superalloy Technology) Aircraft Single Crystal Superalloy Turbine Blades Product Portfolio

6.4.5 Ligeance Aerospace(Chengdu Aerospace Superalloy Technology) Recent Developments

6.5 Cisri-gaona

6.5.1 Cisri-gaona Comapny Information

6.5.2 Cisri-gaona Business Overview

6.5.3 Cisri-gaona Aircraft Single Crystal Superalloy Turbine Blades Sales, Revenue and Gross Margin (2020-2025)

6.5.4 Cisri-gaona Aircraft Single Crystal Superalloy Turbine Blades Product Portfolio

6.5.5 Cisri-gaona Recent Developments

6.6 Rolls-Royce

6.6.1 Rolls-Royce Comapny Information

6.6.2 Rolls-Royce Business Overview

6.6.3 Rolls-Royce Aircraft Single Crystal Superalloy Turbine Blades Sales, Revenue

and Gross Margin (2020-2025)

6.6.4 Rolls-Royce Aircraft Single Crystal Superalloy Turbine Blades Product Portfolio

6.6.5 Rolls-Royce Recent Developments

6.7 Pratt & Whitney

6.7.1 Pratt & Whitney Company Information

6.7.2 Pratt & Whitney Business Overview

6.7.3 Pratt & Whitney Aircraft Single Crystal Superalloy Turbine Blades Sales, Revenue and Gross Margin (2020-2025)

6.7.4 Pratt & Whitney Aircraft Single Crystal Superalloy Turbine Blades Product Portfolio

6.7.5 Pratt & Whitney Recent Developments

6.8 PCC Airfoils

6.8.1 PCC Airfoils Company Information

6.8.2 PCC Airfoils Business Overview

6.8.3 PCC Airfoils Aircraft Single Crystal Superalloy Turbine Blades Sales, Revenue and Gross Margin (2020-2025)

6.8.4 PCC Airfoils Aircraft Single Crystal Superalloy Turbine Blades Product Portfolio

6.8.5 PCC Airfoils Recent Developments

6.9 NIMS

6.9.1 NIMS Company Information

6.9.2 NIMS Business Overview

6.9.3 NIMS Aircraft Single Crystal Superalloy Turbine Blades Sales, Revenue and Gross Margin (2020-2025)

6.9.4 NIMS Aircraft Single Crystal Superalloy Turbine Blades Product Portfolio

6.9.5 NIMS Recent Developments

7 NORTH AMERICA BY COUNTRY

7.1 North America Aircraft Single Crystal Superalloy Turbine Blades Sales by Country

7.1.1 North America Aircraft Single Crystal Superalloy Turbine Blades Sales Growth Rate (CAGR) by Country: 2020 VS 2024 VS 2031

7.1.2 North America Aircraft Single Crystal Superalloy Turbine Blades Sales by Country (2020-2025)

7.1.3 North America Aircraft Single Crystal Superalloy Turbine Blades Sales Forecast by Country (2026-2031)

7.2 North America Aircraft Single Crystal Superalloy Turbine Blades Market Size by Country

7.2.1 North America Aircraft Single Crystal Superalloy Turbine Blades Market Size Growth Rate (CAGR) by Country: 2020 VS 2024 VS 2031

7.2.2 North America Aircraft Single Crystal Superalloy Turbine Blades Market Size by Country (2020-2025)

7.2.3 North America Aircraft Single Crystal Superalloy Turbine Blades Market Size Forecast by Country (2026-2031)

8 EUROPE BY COUNTRY

8.1 Europe Aircraft Single Crystal Superalloy Turbine Blades Sales by Country

8.1.1 Europe Aircraft Single Crystal Superalloy Turbine Blades Sales Growth Rate (CAGR) by Country: 2020 VS 2024 VS 2031

8.1.2 Europe Aircraft Single Crystal Superalloy Turbine Blades Sales by Country (2020-2025)

8.1.3 Europe Aircraft Single Crystal Superalloy Turbine Blades Sales Forecast by Country (2026-2031)

8.2 Europe Aircraft Single Crystal Superalloy Turbine Blades Market Size by Country

8.2.1 Europe Aircraft Single Crystal Superalloy Turbine Blades Market Size Growth Rate (CAGR) by Country: 2020 VS 2024 VS 2031

8.2.2 Europe Aircraft Single Crystal Superalloy Turbine Blades Market Size by Country (2020-2025)

8.2.3 Europe Aircraft Single Crystal Superalloy Turbine Blades Market Size Forecast by Country (2026-2031)

9 ASIA-PACIFIC BY COUNTRY

9.1 Asia-Pacific Aircraft Single Crystal Superalloy Turbine Blades Sales by Country

9.1.1 Asia-Pacific Aircraft Single Crystal Superalloy Turbine Blades Sales Growth Rate (CAGR) by Country: 2020 VS 2024 VS 2031

9.1.2 Asia-Pacific Aircraft Single Crystal Superalloy Turbine Blades Sales by Country (2020-2025)

9.1.3 Asia-Pacific Aircraft Single Crystal Superalloy Turbine Blades Sales Forecast by Country (2026-2031)

9.2 Asia-Pacific Aircraft Single Crystal Superalloy Turbine Blades Market Size by Country

9.2.1 Asia-Pacific Aircraft Single Crystal Superalloy Turbine Blades Market Size Growth Rate (CAGR) by Country: 2020 VS 2024 VS 2031

9.2.2 Asia-Pacific Aircraft Single Crystal Superalloy Turbine Blades Market Size by Country (2020-2025)

9.2.3 Asia-Pacific Aircraft Single Crystal Superalloy Turbine Blades Market Size Forecast by Country (2026-2031)

10 SOUTH AMERICA BY COUNTRY

10.1 South America Aircraft Single Crystal Superalloy Turbine Blades Sales by Country

10.1.1 South America Aircraft Single Crystal Superalloy Turbine Blades Sales Growth Rate (CAGR) by Country: 2020 VS 2024 VS 2031

10.1.2 South America Aircraft Single Crystal Superalloy Turbine Blades Sales by Country (2020-2025)

10.1.3 South America Aircraft Single Crystal Superalloy Turbine Blades Sales Forecast by Country (2026-2031)

10.2 South America Aircraft Single Crystal Superalloy Turbine Blades Market Size by Country

10.2.1 South America Aircraft Single Crystal Superalloy Turbine Blades Market Size Growth Rate (CAGR) by Country: 2020 VS 2024 VS 2031

10.2.2 South America Aircraft Single Crystal Superalloy Turbine Blades Market Size by Country (2020-2025)

10.2.3 South America Aircraft Single Crystal Superalloy Turbine Blades Market Size Forecast by Country (2026-2031)

11 MIDDLE EAST AND AFRICA BY COUNTRY

11.1 Middle East and Africa Aircraft Single Crystal Superalloy Turbine Blades Sales by Country

11.1.1 Middle East and Africa Aircraft Single Crystal Superalloy Turbine Blades Sales Growth Rate (CAGR) by Country: 2020 VS 2024 VS 2031

11.1.2 Middle East and Africa Aircraft Single Crystal Superalloy Turbine Blades Sales by Country (2020-2025)

11.1.3 Middle East and Africa Aircraft Single Crystal Superalloy Turbine Blades Sales Forecast by Country (2026-2031)

11.2 Middle East and Africa Aircraft Single Crystal Superalloy Turbine Blades Market Size by Country

11.2.1 Middle East and Africa Aircraft Single Crystal Superalloy Turbine Blades Market Size Growth Rate (CAGR) by Country: 2020 VS 2024 VS 2031

11.2.2 Middle East and Africa Aircraft Single Crystal Superalloy Turbine Blades Market Size by Country (2020-2025)

11.2.3 Middle East and Africa Aircraft Single Crystal Superalloy Turbine Blades Market Size Forecast by Country (2026-2031)

12 VALUE CHAIN AND SALES CHANNELS ANALYSIS

- 12.1 Aircraft Single Crystal Superalloy Turbine Blades Value Chain Analysis
 - 12.1.1 Aircraft Single Crystal Superalloy Turbine Blades Key Raw Materials
 - 12.1.2 Key Raw Materials Price
 - 12.1.3 Raw Materials Key Suppliers
 - 12.1.4 Manufacturing Cost Structure
 - 12.1.5 Aircraft Single Crystal Superalloy Turbine Blades Production Mode & Process
- 12.2 Aircraft Single Crystal Superalloy Turbine Blades Sales Channels Analysis
 - 12.2.1 Direct Comparison with Distribution Share
 - 12.2.2 Aircraft Single Crystal Superalloy Turbine Blades Distributors
 - 12.2.3 Aircraft Single Crystal Superalloy Turbine Blades Customers

13 CONCLUDING INSIGHTS

14 APPENDIX

- 14.1 Reasons for Doing This Study
- 14.2 Research Methodology
- 14.3 Research Process
- 14.4 Authors List of This Report
- 14.5 Data Source
 - 14.5.1 Secondary Sources
 - 14.5.2 Primary Sources
- 14.6 Disclaimer

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