

# **Aerospace Cold Forgings Market: Segmented by Product Type (Captive, Forging, Catalog Forging, Custom Forging); By Type (Fixed Wing, Rotary Wing); By Platform (Narrow Body, Wide Body, Regional Jets, Fighter Jets, Helicopter, Others); By Aircraft (Military Aviation, Commercial Aviation, General Aviation); By Application (Landing Gear, Nacelle, Airframe) and Region – Global Analysis of Market Size, Share & Trends for 2019–2020 and Forecasts to 2030**

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## **Abstracts**

175+ Pages Research Report Aerospace Cold Forgings market to surpass USD 7.94 million by 2030 from USD 4.01 million in 2020 at a CAGR of 7.07% in the coming years, i.e., 2021-30.

### Product Overview

Cold forging is a manufacturing process that involves deforming materials into high-strength components. The cold forging method ensures high production precision, which is essential for aircraft parts and components. Dimensionally accurate, cold-forged components require little or no finishing.

### Market Highlights

Aerospace Cold Forgings market is expected to project a notable CAGR of 7.07% in 2030

One of the main reasons driving the market's growth is the growing relevance of aircraft structural dependability and the necessity for a high strength-to-weight ratio. Industry share is being fueled by shifting trends toward efficient production processes, optimal

material usage, and reduced forging energy.

## Recent highlights in the Aerospace Cold Forgings Market

In October 2018

Weber Metals spent USD 180 million on an aircraft metal forging machine and now offers a variety of bespoke forging solutions.

### Aerospace Cold Forgings Market: Segments

Landing gears segment to grow with the highest CAGR during 2020-30

Aerospace Cold Forgings market is segmented by Application into Landing gear, Nacelle, Airframe. Over the forecast period, the Landing gears segment will account for significant growth in the aerospace cold forgings market. This is due to an increase in aircraft manufacturing throughout the world. Because of their high ductility and optimal yield strength, cold-forged titanium alloys are utilized to make aeroplane landing gear. Furthermore, the industry's size is expected to grow significantly due to required compliance with severe requirements requiring landing gear replacement for aging fleets.

Fixed-wing segment to grow with the highest CAGR during 2020-30

Aerospace Cold Forgings market is segmented by Type into Fixed-wing, Rotary wing. Among these, the Fixed-wing category will see significant growth throughout the projection period due to the expansion of the military and commercial aviation industries, as well as growing demand for cost-effective aircraft.

### Market Dynamics

#### Drivers

##### Adoption of cold forgings

Cold forging is a quicker manufacturing procedure than traditional methods. This has enabled a large volume of manufacturing to be completed in a shorter amount of time, adding to the market's expansion. The adoption of the cold forgings process has been helped by the IAQG's stringent regulations for the manufacturing of aerospace parts. This has had a positive influence on the aerospace cold forgings business, allowing it to expand. Furthermore, the cold forging production method significantly decreases material loss, resulting in market growth.

#### Advance technologies

The development of advanced technologies, such as hydraulic forging presses that employ efficient hydraulic forming (EHF), reduces energy needs, improves precision, and lowers costs, therefore increasing market penetration. Players in the industry are

significantly spending in R&D in order to grow their market share and streamline their business opportunities.

#### Restraint

Lack of skilled labor

There are a few restraints that might slow the growth of the aerospace cold forgings market. The market may be hampered by a lack of skilled labor and a lack of composite materials with non-corrosive characteristics.

#### Aerospace Cold Forgings Market: Key Players

Precision Castparts Corp

Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis

Arconic

VSMPO-AVISMA

Scot Forge Company

Eramet Group

Shaanxi Hongyuan Aviation Forging Co Ltd

ATI Metal

STS Intelli

Rostec

Bharat Forge

#### Aerospace Cold Forgings Market: Regions

Aerospace Cold Forgings market is segmented based on regional analysis into five major regions. These include North America, Latin America, Europe, Asia Pacific, and the Middle East, and Africa. Aerospace Cold Forgings market in North America held the largest market share in the year 2020. In terms of geography, the global aerospace cold forgings market is dominated by North America. The region's prosperity may be ascribed to the growing aerospace sector, which has resulted in an increase in aircraft manufacturing. In addition, increased defense spending has fueled the market's expansion in this area.

Aerospace Cold Forgings market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil, and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – China, Japan, Australia, and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa, and Rest of MENA

Aerospace Cold Forgings report also contains analysis on:

Aerospace Cold Forgings Segments:

By Product Type

Captive

Forging

Catalog forging

Custom forging

By Type

Fixed-wing

Rotary wing

By Platform

Narrow-body

Widebody

Regional jets

Fighter jets

Helicopter

Others

By Aircraft

Military aviation

Commercial aviation

General aviation

By Application

Landing gear

Nacelle

Airframe

Aerospace Cold Forgings Market Dynamics

Aerospace Cold Forgings Market Size

Supply & Demand

Current Market Trends/Issues/Challenges

Competition & Companies Involved in the Market

Value Chain of the Market  
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Aerospace Cold Forgings Market Report Scope and Segmentation

Report Attribute Details

Market size value in 2021 USD 4.29 million

Revenue forecast in 2030 USD 7.94 million

Growth Rate CAGR of 7.07% from 2021 to 2030

Base year for estimation 2020

Quantitative units Revenue in USD million and CAGR from 2021 to 2030

Report coverage Revenue forecast, company ranking, competitive landscape, growth factors, and trends

Segments covered Product type, Type, Platform, Aircraft, Application, and Region  
Regional scope North America; Europe; Asia Pacific; Latin America; Middle East & Africa (MEA)

Key companies profiled Precision Castparts Corp, Arconic, VSMPO-AVISMA, Scot Forge Company, Eramet Group, Shaanxi Hongyuan Aviation Forging Co Ltd, ATI Metal, STS Intelli, Rostec, Bharat Forge, and Other Prominent Players.

Frequently Asked Questions

How big is the Aerospace Cold Forgings market?

What is the Aerospace Cold Forgings market growth?

Which segment accounted for the largest Aerospace Cold Forgings market share?

Who are the key players in the Aerospace Cold Forgings market?

What are the factors driving the Aerospace Cold Forgings market?

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#### Consultant Recommendation

\*\*The above-given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.

## I would like to order

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