Superalloys – A Global Market Overview

“The report reviews, analyzes and projects the global market for Superalloys for the period 2017-2026. Superalloys’ base metals market studied in this report comprise Cobalt-Based, Iron-Based and Nickel-Based. The global market for Superalloys by applications analyzed in this report includes Aerospace & Defense, Automotive, Industrial Gas Turbines, Oil & Gas and Other Applications (primarily comprising marine, medical, metal processing, heat-treating equipment, pollution control apparatus and pulp & paper mills).”

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Report Synopsis

North America is the largest global market for superalloys, followed by Europe and Asia-Pacific. In terms of growth, however, demand for these materials in Asia-Pacific is likely to be the fastest growing due to rapid industrialization in the sectors where superalloys are deployed. Ongoing and future research efforts aimed at investigating and developing superalloys with even better properties would also propel the market.

Aerospace & Defense is estimated the largest application of superalloys while the application is also projected the fastest growing during the period 2019-2026 with a CAGR of 7%. The overall global Superalloys market for 2019 is estimated at US$6.2 billion.

Product Outline

The market for base materials of Superalloys analyzed in this study includes the following:
- Cobalt-Based
- Iron-Based
- Nickel-Based

The report analyzes the market for the major applications of Superalloys including:
- Aerospace & Defense
- Automotive
- Industrial Gas Turbines
- Oil & Gas
- Other Applications

Analysis Period, Units and Growth Rates

The report reviews, analyzes and projects the global Superalloys market for the period 2017-2026 in terms of US$ and the compound annual growth rates (CAGRs) projected from 2019 through 2026.

Geographic Coverage

- North America (The United States, Canada and Mexico)
- Europe (France, Germany, Italy, Russia, the United Kingdom and Rest of Europe)
- Asia-Pacific (China, India, Japan, South Korea and Rest of Asia-Pacific)
- Rest of World

Research Findings & Coverage

- Superalloys global market analyzed in this study with respect to base materials and major applications
- The report estimates/projects the market size of Superalloys by base material and application in each major region/country globally for the analysis period
SAMPLE COMPANY PROFILE

ARCONIC, INC. (UNITED STATES)
390 Park Avenue, New York, NY 10022-4608
Phone: 412.553.2500
Website: www.arconic.com

Business Overview

Arconic Inc., (Arconic) is one of the leading global manufacturers of high engineered components for aero engines and advanced aircraft. The company operates through three segments: Global Rolled Products, Engineered Products & Solutions and Transportation and Construction Solutions. The company’s multi-material products include aluminum, titanium and nickel used in markets such as aerospace, automotive, commercial transportation and packaging. The Global Rolled Products segment produces a wide range of aluminum sheet and plate products for the aerospace, automotive, commercial transportation, brazing and industrial markets. The Engineered Products and Solutions segment develops and produces products for the aerospace (commercial and defense), commercial transportation and power generation end markets. The Transportation and Construction Solutions segment makes products that are used in the non-residential building and construction and commercial transportation end markets. Arconic also provides additive manufacturing technologies, super-alloy ingots, open-die forging, machining, performance coatings, and hot isostatic pressing for high performance parts. The company also operates in Brazil, Canada, China, Japan, Russia and other parts of the world. Arconic also focuses on multi-material airframe subassemblies and solutions related to advanced technologies and materials, such as 3D printing and titanium aluminides. The company’s innovative, multi-material products, which include aluminum, titanium, and nickel, are used worldwide in aerospace, automotive, commercial transportation, building and construction, industrial applications, defense, and packaging with business operations spread over 18 countries.

Product Portfolio

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineered Products and Solutions</td>
<td>Fastening systems (titanium, steel, and nickel superalloys); seamless rolled rings (nickel superalloys, steel and titanium); investment castings (nickel superalloys, titanium, and aluminum), including airfoils and structural components; forged airframe and jet engine components (nickel superalloys, titanium, aluminum), including bulkheads, disks and shafts; extruded airframe components (aluminum); and various other forged and extruded metallic components for the oil and gas, industrial products, automotive, and land and sea defense end markets</td>
</tr>
<tr>
<td>Global Rolled Products</td>
<td>Alloying materials, Aluminum scrap, Coatings, electricity, lube oil, natural gas, packaging materials, primary aluminum and others</td>
</tr>
<tr>
<td>Transportation and Construction Solutions</td>
<td>Aluminum coil, Aluminum scrap, Paint/Coating, Primary aluminum (billet) and Resin</td>
</tr>
</tbody>
</table>

KEY PLAYERS PROFILED

- Allegheny Technologies Inc.
- American Casting Company
- AMG Superalloys UK Limited
- Ansteel Group Corporation Limited
- Aperam SA
- Arconic, Inc.
- Aubert & Duval SAS
- Cannon-Muskegon Corporation
- Carpenter Technology Corporation
- CITIC Pacific Special Steel Holdings
- Constellium N.V.
- Doncasters Group Limited
- Eramet SA
- Glencore International AG
- H.C. Starck GmbH
- Haynes International, Inc.
- Mattco Forge, Inc.
- Precision Castparts Corporation
- Shaanxi Hongyuan Aviation Forging Co., Ltd.
- United Performance Metals
- VDM Metals GmbH

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Business intelligence provides the critical link between comprehending prevailing market conditions and devising strategies to maximize parameters, such as revenues, profits and return on investment in order to gain market share. The significance of market research can be largely understood through the range of factors that impact businesses. These can comprise market size (current and projected), geographic market reach and demand and supply scenario, to name a few. Our ongoing quest to collect up to date and accurate information by conducting online surveys, personal interviews, taking the opinions of senior level executives will enable us to serve our clients better in every possible aspect.