

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.

- Performance of Superalloys Boosted by Hierarchical Nanostructures
- Undesirable Attribute in Conventional Superalloys Eliminated by 3D Printing
- Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments
- Major companies profiled – 33
- The industry guide includes the contact details for 106 companies

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

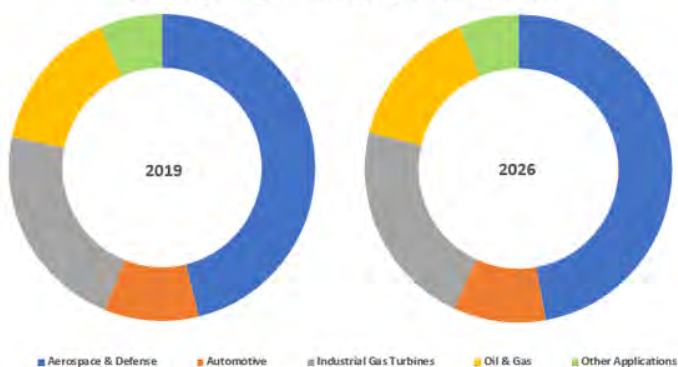
Analysis Period, Units and Growth Rates

- 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**

Global Superalloys Market by Application - 2019-2026



Source: Industry Experts, Inc. <http://industry-experts.com>

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

Product	Description
Engineered Products and Solutions	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
Global Rolled Products	Alloying materials, Aluminum scrap, Coatings, electricity, lube oil, natural gas, packaging materials, primary aluminum and others
Transportation and Construction Solutions	Aluminum coil, Aluminum scrap, Paint/Coating, Primary aluminum (billet) and Resin

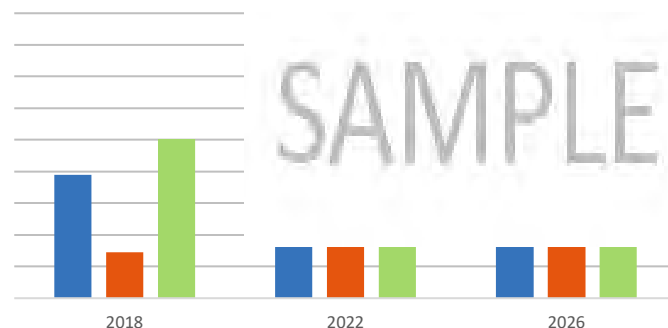
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SAMPLE TABLE/CHART

Glance at 2019 Global Superalloys Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World



North American Superalloys Market Analysis (2017-2026) by Base Metal – Cobalt-Based, Iron-Based and Nickel-Based in USD Million



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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TABLE OF CONTENTS

PART A: GLOBAL MARKET PERSPECTIVE..... 1

1. INTRODUCTION1

1.1 Product Outline	4
1.1.1 Origin of The Term “Superalloys”	4
1.1.2 Superalloys Defined.....	4
1.1.3 Categorization of Superalloys.....	6
1.1.3.1 Nickel-Based Superalloys	6
1.1.3.1.1 Gamma (γ) Phase.....	7
1.1.3.1.2 Gamma Prime (γ') Phase.....	7
1.1.3.1.3 Gamma Double Prime (γ'') Phase.....	8
1.1.3.1.4 Carbides	8
1.1.3.1.4.1 MC Carbides.....	8
1.1.3.1.4.2 Carbide Reactions	10
1.1.3.1.5 Borides	10
1.1.3.1.6 Topologically Close-Packed Phases	10
1.1.3.1.7 Processing of Nickel-Based Superalloys.....	11
1.1.3.1.7.1 Vacuum Induction Melting (VIM).....	11
1.1.3.1.8 Generations of Ni-Based Superalloys.....	12
1.1.3.1.8.1 First Generation.....	12
1.1.3.1.8.2 Second Generation.....	13
1.1.3.1.8.3 Third Generation	13
1.1.3.1.8.4 Fourth Generation.....	14
1.1.3.1.8.5 Fifth Generation	14
1.1.3.1.8.6 Sixth Generation.....	15
1.1.3.2 Iron-Based Superalloys.....	15
1.1.3.3 Cobalt-Based Superalloys.....	17
1.1.4 Properties of Superalloys	18
1.1.4.1 Mechanical Properties	18
1.1.4.2 Physical Characteristics	18
1.1.4.2.1 Density	19
1.1.4.2.2 Thermal Expansion	19
1.1.4.2.3 Thermal Conductivity	19
1.1.4.2.4 Phase Instability.....	19
1.1.4.2.5 Surface Stability.....	20
1.1.4.2.6 Oxidation.....	20
1.1.4.2.7 Hot Corrosion	20

2. SUPERALLOYS APPLICATIONS – A MARKET

SNAPSHOT..... 21

2.1 Aerospace & Defense	22
2.2 Automotive	25
2.3 Industrial Gas Turbines (IGTs)	26
2.4 Oil & Gas	31
2.5 Other Applications	33
2.5.1 Marine	33
2.5.2 Surgical Implants.....	34

3. KEY MARKET TRENDS 35

3.1 New High Temperature Alloy for Aerospace Applications Gives Competition to Ni-Based Superalloys	35
3.2 Performance of Superalloys Boosted by Hierarchical Nanostructures	35
3.3 Development of Ni-Al-Cr Superalloy as High Temperature Cathode Current Collector for Advanced Thin Film Li Batteries.....	37
3.4 Undesirable Attribute in Conventional Superalloys Eliminated by 3D Printing.....	39

4. KEY GLOBAL PLAYERS..... 40

Amg Superalloys Uk Limited (United Kingdom).....	40
Allegheny Technologies Incorporated (United States)	41
American Casting Company (United States)	42
Ansteel Group Corporation Limited (China)	43
Aperam Sa (Luxembourg).....	44
Arconic, Inc. (United States).....	45
Aubert & Duval Sas (France)	46
Cannon-Muskegon Corporation (United States)	47
Carpenter Technology Corporation (United States).....	48

Citic Pacific Special Steel Holdings (China)	50
Constellium N.V. (Netherlands)	51
Doncasters Group Limited (United Kingdom).....	52
Eramet Sa (France).....	53
Glencore International Ag (Switzerland).....	54
H.C. Starck GmbH (Germany).....	55
Haynes International, Inc. (United States)	56
Mattco Forge, Inc. (United States).....	58
Precision Castparts Corporation (United States)	59
Shaanxi Hongyuan Aviation Forging Co., Ltd. (China)	60
United Performance Metals (United States).....	61
Vdm Metals GmbH (Germany).....	62

5. KEY BUSINESS AND PRODUCT TRENDS 63

SAGIA, AMG and Shell Sign MOU to Assess and Consider Commercial Spent Catalyst Recycling Facility in Saudi Arabia.....	63
Carbon Steel Hot-Rolling Conversion Agreement Extension by ATI and NLMK USA	63
Aperam SA and Tekna Establish JV Firm ImphyTek PowdersTM SAS in France	64
AMG NV Acquires International Specialty Alloys, Inc.....	64
Glencore to Supply Cobalt Hydroxide to GEM Co., Ltd	64
Nickel, Manganese and Cobalt Cathode Materials Supply Agreement between Samsung SDI and Umicore.....	65
AMG NV Agree to Supply Ferrovandium Production to Glencore	65
OxMet and Aubert Enter into Partnership on Nickel Metal Powders Portfolio for Additive Manufacturing Usage	66
CPP Acquires Cast Products Business Unit from ATI	66
ATI to Sell its Industrial Forging Business to Wynnchurch	66
CTC Unveils New Gear Alloy Pyrowear® 225	67
Haynes Develops New HAYNES® 244® Alloy.....	67
Glencore Agree to Supply Cobalt to Umicore.....	68
Umicore Acquires Kokkola Refinery Business from Freeport Cobalt OY	68
ATI and Rolls-Royce Extend Long-Term Purchase Agreement (LTPA)	69
Aubert & Duval SAS to Exhibit Superalloys at Paris Air Show	69
ATI to Supply Nickel-based Products for Use in Pipeline Project	70
AMG NV Realigns its Business Portfolio	70
BEST and ATI Agree to Advance Niobium-Based Superconductor Technology Innovation.....	70
Arconic, Inc Launches ARCONIC-THOR Nickel-based Superalloys	71
H.C. Starck GmbH Unveils New Niobium C-103 Alloy	71
Aubert & Duval SAS Showcase Metallurgical Innovations for the Defense Industry at Paris	72
Fort Wayne Acquires G&S Bar and Wire LLC	72
VSMPO-AVISMA to Supply Titanium and Aluminum Alloy Products to United Aircraft Group.....	73
CTC Commence CARTECH® PURIS 5+™ Titanium Powder Solution.....	73
CTC Acquires Puris LLC.....	73

6. GLOBAL MARKET OVERVIEW..... 74

6.1 Global Superalloys Market Overview by Base Metal	75
6.1.1 Superalloys Base Metal Overview Market by Global Region	77
6.1.1.1 Cobalt-Based Superalloys.....	77
6.1.1.2 Iron-Based Superalloys.....	79
6.1.1.3 Nickel-Based Superalloys	81
6.2 Global Superalloys Market Overview by Application.....	83
6.2.1 Superalloys Application Market Overview by Global Region	85
6.2.1.1 Aerospace & Defense	85
6.2.1.2 Automotive	87
6.2.1.3 Industrial Gas Turbines.....	89
6.2.1.4 Oil & Gas	91
6.2.1.5 Other Applications	93

PART B: REGIONAL MARKET PERSPECTIVE.... 95

REGIONAL MARKET OVERVIEW 97

7. NORTH AMERICA 97

7.1 North American Superalloys Market Overview by Geographic Region	98
7.2 North American Superalloys Market Overview by Base Metal	100
7.3 North American Superalloys Market Overview by Application.....	102
7.4 Major Market Players	104
Allegheny Technologies Incorporated (United States) ..	104
American Casting Company (United States)	105
Arconic, Inc. (United States).....	106
Cannon-Muskegon Corporation (United States)	107
Carpenter Technology Corporation (United States).....	108
Electralloy A G.O. Carlson, Inc. Company (United States) ..	110
Fort Wayne Metals Research Products Corporation (US) ..	111
Haynes International, Inc. (United States)	112
High Performance Alloys, Inc. (United States).....	114
Imet Alloys, Inc. (United States).....	115
Mattco Forge, Inc. (United States).....	116
Nicorp Developments Ltd (United States)	117
Precision Castparts Corporation (United States)	118
United Performance Metals (United States).....	119

7.5 Country-wise Analysis of North American Superalloys Market	120
--	-----

7.5.1 The United States 120

7.5.1.1 United States’ Superalloys Market Overview by Base Metal	121
7.5.1.2 United States’ Superalloys Market Overview by Application.....	123

7.5.2 Canada 125

7.5.2.1 Canadian Superalloys Market Overview by Base Metal	126
7.5.2.2 Canadian Superalloys Market Overview by Application	128

7.5.3 Mexico 130

7.5.3.1 Mexican Superalloys Market Overview by Base Metal	131
7.5.3.2 Mexican Superalloys Market Overview by Application	133

8. EUROPE 135

8.1 European Superalloys Market Overview by Geographic Region	136
8.2 European Superalloys Market Overview by Base Metal	138
8.3 European Superalloys Market Overview by Application	140
8.4 Major Market Players	142
Amg Superalloys Uk Limited (United Kingdom).....	142
Aperam Sa (Luxembourg).....	143
Aubert & Duval Sas (France)	144
Constellium N.V. (Netherlands)	145
Doncasters Group Limited (United Kingdom).....	146
Eramet Sa (France)	147
Glencore International Ag (Switzerland)	148
H.C. Starck GmbH (Germany)	149
Metallurgical Plant Electrosta, Jsc (Russia)	150
Vdm Metals GmbH (Germany).....	151

8.5 Country-wise Analysis of European Superalloys Market.....	152
---	-----

8.5.1 France 152

8.5.1.1 French Superalloys Market Overview by Base Metal	153
8.5.1.2 French Superalloys Market Overview by Application	155

8.5.2 Germany	157	9.2 Asia-Pacific Superalloys Market Overview by Base Metal	185	9.5.3.2 Japanese Superalloys Market Overview by Application	209
8.5.2.1 German Superalloys Market Overview by Base Metal	158	9.3 Asia-Pacific Superalloys Market Overview by Application	187	9.5.4 South Korea	211
8.5.2.2 German Superalloys Market Overview by Application	160	9.4 Major Market Players	189	9.5.4.1 South Korean Superalloys Market Overview by Base Metal	212
8.5.3 Italy	162	Ansteel Group Corporation Limited (China)	189	9.5.4.2 South Korean Superalloys Market Overview by Application	214
8.5.3.1 Italian Superalloys Market Overview by Base Metal	163	Balaji Super Alloys (India)	189	9.5.5 Rest of Asia-Pacific	216
8.5.3.2 Italian Superalloys Market Overview by Application	165	Beijing Cisri-Gaona Materials & Technology Co., Ltd. (China)	190	9.5.5.1 Rest of Asia-Pacific Superalloys Market Overview by Base Metal	217
8.5.4 Russia	167	Citic Pacific Special Steel Holdings (China)	191	9.5.5.2 Rest of Asia-Pacific Superalloys Market Overview by Application	219
8.5.4.1 Russian Superalloys Market Overview by Base Metal	168	Fushun Special Steel Co., Ltd. (China)	192	10. REST OF WORLD	221
8.5.4.2 Russian Superalloys Market Overview by Application	170	Shaanxi Hongyuan Aviation Forging Co., Ltd. (China)	192	10.1 Rest of World Superalloys Market Overview by Base Metal	222
8.5.5 The United Kingdom	172	Superalloy Industrial Co., Ltd. (Taiwan)	193	10.2 Rest of World Superalloys Market Overview by Application	224
8.5.5.1 United Kingdom Superalloys Market Overview by Base Metal	173	Supreme Engineering Ltd (India)	194	PART C: GUIDE TO THE INDUSTRY	226
8.5.5.2 United Kingdom Superalloys Market Overview by Application	175	Ti Steels Pvt., Ltd (India)	195	1. NORTH AMERICA	226
8.5.6 Rest of Europe	177	9.5 Country-wise Analysis of Asia-Pacific Superalloys Market	196	2. EUROPE	228
8.5.6.1 Rest of Europe Superalloys Market Overview by Base Metal	178	9.5.1 China	196	3. ASIA-PACIFIC	229
8.5.6.2 Rest of Europe Superalloys Market Overview by Application	180	9.5.1.1 Chinese Superalloys Market Overview by Base Metal	197	PART D: ANNEXURE	231
9. ASIA-PACIFIC	182	9.5.1.2 Chinese Superalloys Market Overview by Application	199	1. RESEARCH METHODOLOGY	231
9.1 Asia-Pacific Superalloys Market Overview by Geographic Region	183	9.5.2 India	201	2. FEEDBACK	233
		9.5.2.1 Indian Superalloys Market Overview by Base Metal	202		
		9.5.2.2 Indian Superalloys Market Overview by Application	204		
		9.5.3 Japan	206		
		9.5.3.1 Japanese Superalloys Market Overview by Base Metal	207		

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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.

More about Industry Experts



Industry Experts, Inc.
 14726 Ramona Ave, Suite S2
 Chino, CA 91710
 Greater Los Angeles
 United States
 Phone: +1-320-iXPERTS (497-3787)

India Office
 1-7-19/C, Street No. 8, Habsiguda
 Hyderabad – 500007
 India
 Phone: +91-40-4018-1314
 Fax: +91-40-2715-7746

Email: info@industry-experts.com

Website: <http://industry-experts.com>