

Global Superalloy Melting Equipment Market Outlook 2024-2033: Growth Drivers, Share, And Trends

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Superalloy Melting Equipment Global Market Report 2024 - Market Size, Trends, And Global Forecast 2024-2033

What Has Driven [the Recent Growth in the Superalloy Melting Equipment Market?](#)

The superalloy melting equipment market has recorded significant growth momentum over the past few years. Its size is anticipated to increase from \$0.99 billion towards the close of this year, 2023, to \$1.05 billion in 2024, exhibiting a compound annual growth rate CAGR of 6.5%. The substantial growth attributes to the rising demand for high-performance materials from the aviation industry and power generation sector, expansion in the automotive industry, requirements for corrosion-resistant materials in the chemical sector and extended applications in the oil and gas sector.

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The superalloy melting equipment market size is expected to see strong growth in the next few years. It will grow to \$1.35 billion in 2028 at a compound annual growth rate (CAGR) of 6.6%”

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Potential for Further Market Expansion Over the Next Few Years

Superalloy melting equipment's market size is expected to observe sturdy growth in the next few

years. It is projected to grow to \$1.35 billion by 2028, noting a compound annual growth rate CAGR of 6.6%. Several factors are expected to contribute to this growth during the forecast period, including the rising demands from the aerospace and defense sectors, expanding automotive and power generation industries, growing emphasis on lightweight and high-performance materials, increasing research and development activities, expanding applications in healthcare and increasing environmental regulations encouraging sustainable practices.

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The Growth Drivers Shaping the Market

The increase in aircraft deliveries is expected to propel the superalloy melting equipment market forward. Rising demands for air travel, the expansion of the fleet, and the replacement of older aircraft with newer, more efficient models have resulted in increased aircraft deliveries. The production of high-performance components that can withstand extreme conditions in aerospace applications employs superalloy melting equipment. For instance, according to the International Civil Aviation Organization ICAO in February 2023, prominent aircraft manufacturers Airbus and Boeing recorded a 53% increase in orders and a 20% rise in deliveries in 2022 compared to the preceding year 2021.

Innovative Titans of the Superalloy Melting Equipment Market

Major industry players operating in the superalloy melting equipment market include Thyssenkrupp AG, Henkel AG & Co. KGaA, Precision Castparts Corp., Allegheny Technologies Incorporated, SMS Group GmbH, Nordson Corporation, Graco Inc., Carpenter Technology Corporation, Nippon Yakin Kogyo Co. Ltd., VDM Metals Group, Kurtz Holding GmbH & Co. Beteiligungs KG, Valco Cincinnati Inc., SECO/WARWICK Group, Plansee Group, Nabertherm GmbH, ABP Induction Systems, Robatech AG, ALD Vacuum Technologies, Hitachi Industrial Equipment & Solutions America LLC, Inductotherm Group LLC, TAV Vacuum Furnaces, MTI corporation, Glue Machinery Corporation.

Technological Advancements and Emerging Market Trends

Major companies are focusing on embracing new melting procedures like investment casting to enhance the quality and durability of products. Precision manufacturing of intricate metal parts employs investment casting or lost-wax casting. This process involves creating a wax model, coating it with ceramic to form a mold, and then melting the wax away.

Superalloy Melting Equipment Market Segmentation:

The market report segues the superalloy melting equipment market in terms of:

- 1 By Type: Benchtop Hot-Melt Equipment, Glue Guns
- 2 By Sales Channel: Original Equipment Manufacturer OEM, Aftermarket
- 3 By Application: Commercial, Industrial

Key Regional Market Players in the Global Market

Asia-Pacific was the largest region in the superalloy melting equipment market in the year 2023. The market report elaborates on regions including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, The Middle East, and Africa.

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