

Global Atomized Amorphous Alloy Powder Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Atomized Amorphous Alloy Powder market size was valued at US\$ 39.10 million in 2025 and is forecast to a readjusted size of US\$ 77.80 million by 2032 with a CAGR of 9.9% during review period.

In 2025, global Atomized Amorphous Alloy Powder production reached approximately 14.8 k tons, with an average global market price of around US\$2,592 per ton. Atomized amorphous alloy powder is a metallic powder with a non-crystalline (glassy) atomic structure, produced by rapidly quenching molten metal droplets—using water or gas atomization. These powders offer exceptional high-strength, superior soft magnetic properties, and high corrosion resistance, making them ideal for additive manufacturing and precision, high-efficiency soft magnetic cores.

The global atomized amorphous alloy powder market is currently situated in a strategic window of transitioning from technological breakthroughs to large-scale industrial application. As global electronic components evolve toward higher frequencies, miniaturization, and increased integration, this material has emerged as a critical core solution for addressing heat generation and efficiency bottlenecks in inductive components, leveraging its inherent isotropy, low core loss, and superior high-frequency performance. Currently, industry leaders are utilizing self-developed high-speed gas atomization and combined water-gas atomization technologies to successfully overcome the extreme cooling rate requirements necessary for amorphous formation. This progress has significantly enhanced powder sphericity and particle size distribution consistency, meeting the rigorous demands of precision molding processes. The prevailing development trend focuses on the synergistic optimization of ultra-fine

micronization and advanced surface insulation coating technologies to accommodate extreme application environments such as next-generation AI servers, high-voltage electric vehicle platforms, and low-earth-orbit satellite communications. Significant development opportunities stem from energy-saving mandates and advanced material industry plans promulgated by international governments, alongside the profound restructuring of power supply architectures within the digital transformation, which has created substantial substitution space for high-performance soft magnetic materials. Nevertheless, restrictive factors remain prominent, including the heavy dependence of key process equipment on precision control, the price volatility risks of core alloying elements within global raw material supply chains, and the persistent technical threshold of achieving scalable mass production while maintaining a near-total amorphous formation rate. This landscape demands that enterprises possess formidable interdisciplinary research capabilities and stable yield control under extreme manufacturing conditions to sustain competitive advantages.

This report is a detailed and comprehensive analysis for global Atomized Amorphous Alloy Powder market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Atomized Amorphous Alloy Powder market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Atomized Amorphous Alloy Powder market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Atomized Amorphous Alloy Powder market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Atomized Amorphous Alloy Powder market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Atomized Amorphous Alloy Powder
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Atomized Amorphous Alloy Powder market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Epson Atmix, Qingdao Yunlu Advanced Materials, Advanced Technology & Materials, Stanford Advanced Materials, Suzhou Jiuchun, Catech, QinhuangdaoYa Hao Materials, Jiangxi Dayou Science & Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Atomized Amorphous Alloy Powder market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Water-Atomized

Air-Atomized

Market segment by Oxygen Content

1200ppm

Market segment by Particle Size

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