

Global Amorphous Soft Magnetic 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 Amorphous Soft Magnetic Alloy Powder market size was valued at US\$ 48.15 million in 2025 and is forecast to a readjusted size of US\$ 90.52 million by 2032 with a CAGR of 9.0% during review period.

In 2025, global Amorphous Soft Magnetic Alloy Powder production reached approximately 19.5 k tons, with an average global market price of around US\$2,400 per ton. Amorphous soft magnetic alloy powder is a metallic material with a disordered, non-crystalline atomic structure, typically Fe-based (iron-based) with metalloids like Si and B. Produced via rapid solidification (e.g., gas atomization), it offers high permeability, high saturation magnetization, low core losses, and excellent DC bias stability.

The global amorphous soft magnetic alloy powder market is undergoing a profound transition from traditional industrial power applications to high-end, high-frequency electronic domains. As the synergy between global energy structural transformation and digital infrastructure accelerates, this material demonstrates compelling substitution potential within high-performance power modules and precision inductive components, attributed to its superior low-loss characteristics and high magnetic induction. Currently, the industry exhibits a pronounced concentration of technological expertise among top-tier manufacturers. Leading enterprises, such as Cloudix and Antai Technology, are continuously optimizing gas atomization preparation processes to overcome historical limitations regarding powder sphericity and particle size uniformity, thereby enhancing magnetic stability in high-frequency environments. The prevailing development trend emphasizes ultra-fine micronization and specialized multi-component alloying to address the rigorous demands for component miniaturization and enhanced power

density in AI computing accelerators and high-voltage electric vehicle architectures. Significant development opportunities are rooted in international government mandates supporting green, low-carbon strategic emerging materials, as well as the fundamental restructuring of global data center power delivery systems driven by the explosion of generative artificial intelligence. Nevertheless, several barriers impede rapid market expansion. These include the extreme cooling rates necessitated by the physics of amorphous formation, which remain a significant engineering hurdle, and the susceptibility to price fluctuations in the global supply chain for critical raw alloying elements. Additionally, the necessity for high-precision manufacturing equipment combined with intricate stability-enhancing post-processing stages establishes a formidable technical barrier to entry. This environment requires sustained capital investment and deep interdisciplinary research, ensuring that only enterprises with robust vertical integration and advanced material science capabilities can effectively navigate the evolving landscape of high-performance soft magnetic solutions while maintaining high industrial yields and cost competitiveness.

This report is a detailed and comprehensive analysis for global Amorphous Soft Magnetic 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 Amorphous Soft Magnetic Alloy Powder market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Amorphous Soft Magnetic 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 Amorphous Soft Magnetic 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 Amorphous Soft Magnetic 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 Amorphous Soft Magnetic 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 Amorphous Soft Magnetic 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

Amorphous Soft Magnetic 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

Atomized Powder

Mechanically Crushed Powder

Market segment by Oxygen Content

1200ppm

Market segment by Particle Size

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