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Global Nickel Paste (? 200 nm) for MLCC Inner Electrode 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 Nickel Paste (? 200 nm) for MLCC Inner Electrode market size was valued at US$ 684 million in 2025 and is forecast to a readjusted size of US$ 1187 million by 2032 with a CAGR of 8.2% during review period.

In 2024, global nickel paste (? 200 nm) for MLCC inner electrode production reached approximately 1,136 tons, with an average global market price of around US$ 206/kg. Nickel Paste for MLCC Inner Electrode refers to a conductive slurry specially formulated for use in the internal electrodes of Multilayer Ceramic Capacitors (MLCCs). It consists of submicron nickel particles dispersed in an organic vehicle system containing solvents, binders, dispersants, and other additives. Its primary function is to create internal conductive layers between ceramic dielectric sheets during the co-firing process, supporting the miniaturization and high-performance requirements of modern electronic devices. In the report, the data is mainly based on nickel paste with diameter ? 200 nm which is used in MLCC inner electrod.

With the continuous development of the electronics industry, particularly amidst the growing demand for high-performance electronic products, multilayer ceramic capacitors (MLCCs), as a key electronic component, are seeing their applications continue to expand. Nickel paste (?200nm) used in MLCC internal electrodes has become a widely used material within the industry due to its excellent conductivity, good temperature stability, and high reliability.

Currently, the application of nickel paste (?200nm) in MLCC internal electrodes primarily enhances capacitor performance and reliability through fine particle design. This nickel

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paste, with a particle size controlled below 200 nanometers, effectively reduces inter-electrode impedance and improves capacitor performance in high-frequency and high-current environments. Furthermore, nickel paste exhibits strong adhesion, ensuring a long-lasting bond between the internal electrode and the ceramic dielectric, thereby ensuring stable capacitor operation.

Market-wise, with the continuous advancement of technologies such as 5G communications, the Internet of Things, and smart hardware, demand for high-performance MLCCs has increased dramatically. MLCCs are particularly widely used in smartphones, automotive electronics, and consumer electronics. Nickel paste (?200nm), a key material, has become a core component for improving the electrical performance and production efficiency of MLCCs (MLCCs) as market demand increases. In particular, driven by the design requirements for miniaturized and thinner capacitors, nickel paste miniaturization technology has garnered increasing attention and research.

With the continued advancement of MLCC technology, market demand for nickel paste (?200nm) is expected to steadily grow over the next few years. On the one hand, as electronic products increasingly demand higher performance from capacitors, nickel paste material technology will continue to innovate to meet the demands of operating in specialized environments such as high frequency, high current, and high temperature. On the other hand, as the application scope of MLCCs continues to expand, nickel paste production processes, cost control, and environmental friendliness will become key areas of focus for industry development.

This report is a detailed and comprehensive analysis for global Nickel Paste (? 200 nm) for MLCC Inner Electrode 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 Nickel Paste (? 200 nm) for MLCC Inner Electrode market size and forecasts, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/kg), 2021-2032

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Global Nickel Paste (? 200 nm) for MLCC Inner Electrode market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/kg), 2021-2032

Global Nickel Paste (? 200 nm) for MLCC Inner Electrode market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/kg), 2021-2032

Global Nickel Paste (? 200 nm) for MLCC Inner Electrode market shares of main players, shipments in revenue ($ Million), sales quantity (Tons), and ASP (US$/kg), 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 Nickel Paste (? 200 nm) for MLCC Inner Electrode
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 Nickel Paste (? 200 nm) for MLCC Inner Electrode 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 Shoei Chemical, Murata Manufacturing, Daiken Chemical, TDK, Sinocera Materials, Overseas Huasheng, Changdi New Material Technology, FM Co., Ltd., Fenghua Advanced, Sumitomo, etc.

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

Market Segmentation

Nickel Paste (? 200 nm) for MLCC Inner Electrode 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

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200 nm

180 nm

150nm

Other

Market segment by Application

Consumer Electronics

Automotive Electronics

Industrial Equipment

Communication Infrastructure

Other

Major players covered

Shoei Chemical

Murata Manufacturing

Daiken Chemical

TDK

Sinocera Materials

Overseas Huasheng

Changdi New Material Technology

FM Co., Ltd.

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Fenghua Advanced

Sumitomo

Market segment by region, regional analysis covers
North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Nickel Paste (? 200 nm) for MLCC Inner Electrode product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Nickel Paste (? 200 nm) for MLCC Inner Electrode, with price, sales quantity, revenue, and global market share of Nickel Paste (? 200 nm) for MLCC Inner Electrode from 2021 to 2026.

Chapter 3, the Nickel Paste (? 200 nm) for MLCC Inner Electrode competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Nickel Paste (? 200 nm) for MLCC Inner Electrode breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026.and Nickel Paste (? 200 nm) for MLCC Inner Electrode market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Nickel Paste (? 200 nm) for MLCC Inner Electrode.

Chapter 14 and 15, to describe Nickel Paste (? 200 nm) for MLCC Inner Electrode sales channel, distributors, customers, research findings and conclusion.

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