

Global Friction Materials Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Friction Materials market size was valued at USD 26770 million in 2023 and is forecast to a readjusted size of USD 34510 million by 2030 with a CAGR of 3.7% during review period.

Friction materials—also known as brake materials and clutch materials—are used to induce friction in situations where slow or decreased movement is necessary. Friction is the resistance to relative motion that opposes an object's direction of movement. Friction is created when a solid object comes into contact with a diverging surface. Friction can be used anywhere from slowing or stopping an object to accelerating it to a certain speed.

The report studies friction products (including brake pads, brake linings, clutch discs, brake blocks etc.) which are made from friction materials. They can be widely used in automotive, railway, industrial and aerospace field.

The key manufacturers of Friction Materials include Sangsin Brake, Akebono Brake, Nisshinbo, and Bosch, etc..The top four manufacturers all account for more than 3% of the world market, accounting for about 27%, in total.

The Asia-Pacific region is the largest market for friction materials, accounting for about 44% of the global market, followed by Europe and North America with about 26% and 20%, respectively.

In terms of product, it mainly include brake pads, brake linings, clutch discs, brake blocks and others. Brake pad is the main industry segment, accounting for more than

40% of the market. The brake lining market will further expand.

Friction materials are mainly used in passenger cars, commercial vehicles, motorcycles, railway, industrial machinery, construction machinery, agricultural machinery, wind turbines, aviation, and other aspects. Among them, passenger cars account for about 47%, which is the largest application market at present.

The Global Info Research report includes an overview of the development of the Friction Materials industry chain, the market status of Passenger Cars (Brake Pads, Brake Linings), Commercial Vehicles (Brake Pads, Brake Linings), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Friction Materials.

Regionally, the report analyzes the Friction Materials markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Friction Materials market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Friction Materials market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Friction Materials industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Million Pcs), revenue generated, and market share of different by Type (e.g., Brake Pads, Brake Linings).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Friction Materials market.

Regional Analysis: The report involves examining the Friction Materials market at a regional or national level. Report analyses regional factors such as government

incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Friction Materials market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Friction Materials:

Company Analysis: Report covers individual Friction Materials manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Friction Materials. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Passenger Cars, Commercial Vehicles).

Technology Analysis: Report covers specific technologies relevant to Friction Materials. It assesses the current state, advancements, and potential future developments in Friction Materials areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Friction Materials market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Friction Materials market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Brake Pads

Brake Linings

Clutch Discs

Brake Blocks

Others

Market segment by Application

Passenger Cars

Commercial Vehicles

Motorcycles

Railway

Industrial Machinery

Construction Machinery

Agricultural Machinery

Wind Turbines

Aviation

Others

Major players covered

Akebono Brake

Knorr-Bremse

Nisshinbo

Bosch

Bremser

Continental

GMP Friction Products

Tenneco

Sangsin Brake

BorgWarner

Shandong Longji Machinery

Miba

Wabtec

Shandong Gold Phoenix

Alstom Flertex

Svendborg Brakes (Altra Motion)

Rane

Beijing Puran Railway Braking High-Tech

Carlisle Brake & Friction (CBF)

Beijing Tianyishangjia New Material

EBC Brakes

Aisin Chemical

Schaeffler

Vulkan

Tokai Carbon

BPW Group

Tribo

Escorts Kubota

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 Friction Materials product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Friction Materials, with price, sales, revenue and global market share of Friction Materials from 2019 to 2024.

Chapter 3, the Friction Materials competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Friction Materials breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Friction Materials market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Friction Materials.

Chapter 14 and 15, to describe Friction Materials sales channel, distributors, customers, research findings and conclusion.

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