

Global Hard Coated Brake Discs 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 Hard Coated Brake Discs market size was valued at USD 329.5 million in 2023 and is forecast to a readjusted size of USD 569.6 million by 2030 with a CAGR of 8.1% during review period.

Brake wear, tire wear, and fossil fuel combustion are the causes of severe fine particle pollution in all vehicles equipped with internal combustion engines, electric or hybrid power drives. The automotive industry needs alternative methods and technological solutions to reduce brake wear. The new hard coating process provides high-quality anti-corrosion and wear-resistant hard material coatings for brake discs. When the coating configuration is optimized, it can be combined with the brake disc to achieve optimal friction matching in terms of braking performance and minimum fine particle emissions.

The braking system of passenger cars has gradually evolved from front and rear drum type to front and rear disc type, front and rear disc type, as well as better ventilation discs and even high-performance car brake discs with lines and holes. In order to improve braking force, the brake discs are made of hard alloy with a special coating, and the brake pads are compressed and bonded with various metal powders.

Global key players of Hard Coated Brake Discs include Continental, TRW (ZF Friedrichshafen), Buderus, Delphi Technologies (BorgWarner) and Brembo, etc. The top five players hold a share over 55%. Europe is the largest market, has a share about 50%. In terms of product type, Tungsten Carbide Coated is the largest segment, occupied for a share of about 60%, and in terms of application, Passenger Car has a share about 90 percent.

The Global Info Research report includes an overview of the development of the Hard Coated Brake Discs industry chain, the market status of Passenger Car (Tungsten Carbide, Aluminum Oxide), Commercial Vehicle (Tungsten Carbide, Aluminum Oxide), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Hard Coated Brake Discs.

Regionally, the report analyzes the Hard Coated Brake Discs 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 Hard Coated Brake Discs market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Hard Coated Brake Discs 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 Hard Coated Brake Discs 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 (Units), revenue generated, and market share of different by Coating Type (e.g., Tungsten Carbide, Aluminum Oxide).

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 Hard Coated Brake Discs market.

Regional Analysis: The report involves examining the Hard Coated Brake Discs 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 Hard Coated Brake Discs market. This may include

estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Hard Coated Brake Discs:

Company Analysis: Report covers individual Hard Coated Brake Discs 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 Hard Coated Brake Discs. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Passenger Car, Commercial Vehicle).

Technology Analysis: Report covers specific technologies relevant to Hard Coated Brake Discs. It assesses the current state, advancements, and potential future developments in Hard Coated Brake Discs areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Hard Coated Brake Discs 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

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

Market segment by Coating Type

Tungsten Carbide

Aluminum Oxide

Chromium Carbide

Other

Market segment by Application

Passenger Car

Commercial Vehicle

Major players covered

Continental

Brembo

BPI

Zimmermann

TRW (ZF Friedrichshafen)

Ferodo

EBC Brake

Delphi Technologies (BorgWarner)

Fremax

Textar

Buderus (Bosch)

Jurid

Surface Transforms

Centric Parts (First Brands Group)

Akebono Brake

Wilwood Engineering

TMD Friction

Project Mu

DVS

NK (SBS Group)

Bendix

SHW Brake Systems

Oerlikon

China Shandong Gold Phoenix

China Shandong Longji Machinery

China Shandong Xinyi

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 Hard Coated Brake Discs product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Hard Coated Brake Discs, with price, sales, revenue and global market share of Hard Coated Brake Discs from 2019 to 2024.

Chapter 3, the Hard Coated Brake Discs competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Hard Coated Brake Discs 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 Coating Type and application, with sales market share and growth rate by coating 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 Hard Coated Brake Discs market forecast, by regions, coating 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 Hard Coated Brake Discs.

Chapter 14 and 15, to describe Hard Coated Brake Discs sales channel, distributors, customers, research findings and conclusion.

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