

Global Construction Machinery Friction Plate 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 Construction Machinery Friction Plate market size was valued at US\$ 395 million in 2025 and is forecast to a readjusted size of US\$ 576 million by 2032 with a CAGR of 5.4% during review period.

In 2025, global Construction Machinery Friction Plate production reached approximately 24,000 K Pcs, with an average global market price of around 16 US\$/Pc.

A construction machinery friction plate is a core transmission and braking component widely used in the braking, clutching and deceleration systems of various construction machinery, including excavators, loaders, cranes, bulldozers and graders. It is usually composed of a metal base (such as steel plate, cast iron) and a friction layer (made of resin, ceramic, metal powder or composite materials), which relies on the friction force generated between the friction layer and the matching component to transmit power, realize mechanical braking or speed regulation, and ensure the stable, safe and efficient operation of construction machinery. With the characteristics of high wear resistance, high temperature resistance, strong pressure resistance and good friction stability, it is a vulnerable component that needs regular replacement, and its quality directly affects the braking performance, operation safety and service life of construction machinery.

The demand for construction machinery friction plates is closely linked to the development of the construction machinery industry, showing a steady growth trend driven by multiple factors: the continuous expansion of infrastructure construction at home and abroad, the increasing inventory of construction machinery, and the regular replacement demand of worn friction plates (as vulnerable components) provide a stable basic demand; at the same time, the upgrading of construction machinery (such

as the popularization of large-scale, intelligent and new energy construction machinery) and the strictening of environmental protection and safety standards promote the demand for high-performance, environment-friendly friction plates. Business opportunities are concentrated in several aspects: first, there is broad space for import substitution, as some high-end friction plates for large-scale and intelligent construction machinery still rely on imports, and domestic enterprises can gain market share by increasing R&D investment and improving product performance; second, the rise of new energy construction machinery brings new demand for special friction plates with light weight, low noise and long service life; third, the after-sales maintenance market has huge potential, and enterprises that layout the after-sales channel and provide customized replacement services can obtain stable profits; in addition, the export of domestic construction machinery drives the export demand of matching friction plates, creating new growth points for enterprises with mature production technology and quality control capabilities.

This report is a detailed and comprehensive analysis for global Construction Machinery Friction Plate market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Working Environment 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 Construction Machinery Friction Plate market size and forecasts, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pc), 2021-2032

Global Construction Machinery Friction Plate market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pc), 2021-2032

Global Construction Machinery Friction Plate market size and forecasts, by Working Environment and by Application, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (US\$/Pc), 2021-2032

Global Construction Machinery Friction Plate market shares of main players, shipments in revenue (\$ Million), sales quantity (K Pcs), and ASP (US\$/Pc), 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 Construction Machinery Friction Plate

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 Construction Machinery Friction Plate 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 Hitachi, Caterpillar, Volvo, Carlisle Brake & Friction, Miba, Anhui Changming Friction Material Technology, Hangzhou HLK Advanced Materials, Ratek Pheon Friction Technologies, GMP, Miba Friction Group, etc.

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

Market Segmentation

Construction Machinery Friction Plate market is split by Working Environment and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Working Environment, 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 Working Environment

Wet Friction Plate

Dry Friction Plate

Market segment by Material Type

Resin-based Friction Plate

Ceramic-based Friction Plate

Metal-based Friction Plate

Composite Material Friction Plate

Others

Market segment by Application Position

Brake System Friction Plate

Clutch System Friction Plate

Deceleration System Friction Plate

Transmission System Friction Plate

Others

Market segment by Application

Loader

Crane

Concrete Machinery

Mining Machine

Others

Major players covered

Hitachi

Caterpillar

Volvo

Carlisle Brake & Friction

Miba

Anhui Changming Friction Material Technology

Hangzhou HLK Advanced Materials

Ratek Pheon Friction Technologies

GMP

Miba Friction Group

Raybestos Powertrain

EXEDY Friction Material

Schaeffler

Alto Products

Ortlinghaus

Sintercom India

Dynax

AKEBONO BRAKE INDUSTRY

Tora Transmission Parts

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 Construction Machinery Friction Plate product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Construction Machinery Friction Plate, with price, sales quantity, revenue, and global market share of Construction Machinery Friction Plate from 2021 to 2026.

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

Chapter 4, the Construction Machinery Friction Plate 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 Working Environment and by Application, with sales market share and growth rate by Working Environment, 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 Construction Machinery Friction Plate market forecast, by regions, by Working Environment, and by Application, with sales and revenue, from 2027 to 2032.

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 Construction Machinery Friction Plate.

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

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