

Global Construction Machinery Friction Plate Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Construction Machinery Friction Plate market size is expected to reach \$ 576 million by 2032, rising at a market growth of 5.4% CAGR during the forecast period (2026-2032).

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 studies the global Construction Machinery Friction Plate production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Construction Machinery Friction Plate and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Construction Machinery Friction Plate that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Construction Machinery Friction Plate total production and demand, 2021-2032, (K Pcs)

Global Construction Machinery Friction Plate total production value, 2021-2032, (USD Million)

Global Construction Machinery Friction Plate production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs), (based on production site)

Global Construction Machinery Friction Plate consumption by region & country, CAGR, 2021-2032 & (K Pcs)

U.S. VS China: Construction Machinery Friction Plate domestic production, consumption, key domestic manufacturers and share

Global Construction Machinery Friction Plate production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Pcs)

Global Construction Machinery Friction Plate production by Working Environment, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs)

Global Construction Machinery Friction Plate production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs)

This report profiles key players in the global Construction Machinery Friction Plate market based on the following parameters - company overview, production, value, 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Construction Machinery Friction Plate market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Pcs) and average price (US\$/Pc) by manufacturer, by Working Environment, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Construction Machinery Friction Plate Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Construction Machinery Friction Plate Market, Segmentation by Working Environment:

Wet Friction Plate

Dry Friction Plate

Global Construction Machinery Friction Plate Market, Segmentation by Material Type:

Resin-based Friction Plate

Ceramic-based Friction Plate

Metal-based Friction Plate

Composite Material Friction Plate

Others

Global Construction Machinery Friction Plate Market, Segmentation by Application Position:

Brake System Friction Plate

Clutch System Friction Plate

Deceleration System Friction Plate

Transmission System Friction Plate

Others

Global Construction Machinery Friction Plate Market, Segmentation by Application:

Loader

Crane

Concrete Machinery

Mining Machine

Others

Companies Profiled:

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

Key Questions Answered:

1. How big is the global Construction Machinery Friction Plate market?
2. What is the demand of the global Construction Machinery Friction Plate market?
3. What is the year over year growth of the global Construction Machinery Friction Plate market?
4. What is the production and production value of the global Construction Machinery Friction Plate market?
5. Who are the key producers in the global Construction Machinery Friction Plate market?
6. What are the growth factors driving the market demand?

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