

Friction Products and Materials Market by Product (Pads, Lining, discs, blocks, and Others), Business Type (Original Equipment and Aftersales), End User (Brakes, Clutches, and Industrial Brake & Transmission Systems), and Application (Automotive, Railway, Construction, Aerospace & Marine, and Others): Global Opportunity Analysis and Industry Forecast, 2018–2025

<https://marketpublishers.com/r/FB62AAA9FBBEN.html>

Date: April 2019

Pages: 157

Price: US\$ 5,370.00 (Single User License)

ID: FB62AAA9FBBEN

Abstracts

The global friction products and materials market was valued at \$17,046 million in 2017, and is projected to reach \$24,533 million by 2025, growing at a CAGR of 4.7% from 2018 to 2025. Friction stops various objects from sliding owing to the resistive force between two contacts. It mainly occurs between various forms of materials that include gases, solid objects, and liquids. Friction between liquids is termed as fluid friction. Friction materials are majorly used to improve the efficiency of vehicles, performance, and appearance. These materials are applicable in aircraft, light trucks, railways, commercial vehicles passenger cars, and others. They are mainly used in brake and clutch systems and transmissions. They are selected on the basis of speed to be encountered, application, temperature involved, and performance requirements. For instance, sintered materials are predominantly used in heavy-duty areas such as aircraft braking systems and industrial machinery clutches. Paper finds application as a friction material in automobiles and light trucks.

Friction products and materials manufacturers are expecting higher sales, owing to increase in demand for pads and lining product lines, which drives the growth of the global friction products and materials market. Moreover, manufacturers are focusing on

various marketing strategies, such as product offering, to meet the growth in requirement for pads and lining units. In addition, increase in demand and adoption of friction products in the automobile industry is expected to drive the growth of the global market. Furthermore, upsurge in demand for commercial and passenger cars is expected to boost the growth of the market. Rapid urbanization and industrialization are anticipated to fuel the demand for commercial and passenger cars, which in turn will supplement the market growth. In addition, rise in demand for lightweight friction products in automotive end-use industry provides lucrative opportunities for the global friction products and materials market. However, stringent regulations associated with the use of various friction materials such as copper and asbestos are anticipated to restrain the growth of this market during the forecast period.

The global friction products and materials market is segmented into product, business type, application, end-use industry. Based on product, the market is divided into pads, lining, discs, blocks, and others. By business type, it is classified into original equipment (OE) and aftersales. The applications covered on the study include brakes, clutches, and industrial brakes & transmission systems. Depending on end-use industry, the market is segregated into automotive, construction, railway, aerospace & mining, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA. Asia-Pacific is expected to hold the highest market share during the forecast period.

The key players profiled in this report include Nisshinbo Holdings Inc., Akebono Brake Industry, Federal-Mogul Holdings, MIBA AG, Carlisle Brake & Friction (CBF), ABS FRICTION CORP., European Friction Industries Ltd, Fras-le, Hindustan Composites Ltd., and GMP Friction Products.

KEY BENEFITS FOR STAKEHOLDERS

The report provides an extensive analysis of the current and emerging market trends and dynamics in the global friction products and materials market.

In-depth analysis is conducted by constructing market estimations for the key market segments between 2018 and 2025.

Extensive analysis of the market is conducted by following key product positioning and monitoring of the top competitors within the market framework.

A comprehensive analysis of all regions is provided to determine the prevailing

opportunities.

Key market players within the friction products and materials market are profiled in this report and their strategies are analyzed thoroughly, which help to understand the competitive outlook.

KEY MARKET SEGMENTS

BY PRODUCT

Pads

Lining

Discs

Blocks

Others

BY BUSINESS TYPE

Original Equipment (OE)

Aftersales

BY APPLICATION

Brakes

Clutches

Industrial Brake & Transmission Systems

BY END-USER INDUSTRY

Automotive

Railway

Construction

Aerospace & Marine

Others

BY REGION

North America

U.S.

Canada

Mexico

Europe

Germany

UK

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Thailand

Rest of Asia-Pacific

LAMEA

Latin America

Middle East

Africa

KEY PLAYERS

Nisshinbo Holdings Inc.

Akebono Brake Industry

Federal-Mogul Holdings

MIBA AG

Carlisle Brake & Friction (CBF)

ABS FRICTION CORP.

European Friction Industries Ltd

Fras-le

Hindustan Composites Ltd.

GMP Friction Products

Contents

CHAPTER 1: INTRODUCTION

- 1.1. Report description
- 1.2. Key benefits for stakeholders
- 1.3. Key market segments
- 1.4. Research methodology
 - 1.4.1. Primary research
 - 1.4.2. Secondary research
 - 1.4.3. Analyst tools and models

CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO perspective

CHAPTER 3: ATTRACTIVE GROWTH OPPORTUNITIES

- 3.1. Friction products and materials market, by region
- 3.2. Friction products and materials market, by end-use industry
- 3.3. Friction products and materials market, by product type
- 3.4. Friction products and materials market, by application

CHAPTER 4: MARKET OVERVIEW

- 4.1. Market definition and scope
- 4.2. Market dynamics
 - 4.2.1. Drivers
 - 4.2.1.1. Upsurge in demand for passenger and commercial vehicles
 - 4.2.1.2. Increase in demand for effective friction products in automotive industry
 - 4.2.2. Restraint
 - 4.2.2.1. Stringent regulations associated with friction materials
 - 4.2.3. Opportunity
 - 4.2.3.1. Upsurge in demand for lightweight friction products in automotive end-use industry
 - 4.2.4. Challenge
 - 4.2.4.1. Advancements in braking technologies to eradicate the use of friction material
- 4.3. Porter's five forces analysis

- 4.4. Value chain analysis
- 4.5. Key player positioning, 2018
- 4.6. Friction materials: material overview
 - 4.6.1. Non-asbestos organic (Nao)
 - 4.6.2. Low steel
 - 4.6.3. Semi-metallic
 - 4.6.4. Sintered metals
 - 4.6.5. Ceramic
 - 4.6.6. Asbestos
 - 4.6.7. Others
- 4.7. Macroeconomic indicator
 - 4.7.1. Automotive
 - 4.7.2. Construction

CHAPTER 5: FRICTION PRODUCTS AND MATERIALS MARKET, BY PRODUCT TYPE

- 5.1. Introduction
 - 5.1.1. Market size and forecast, by product type
- 5.2. Pads
- 5.3. Lining
- 5.4. Discs
- 5.5. Blocks
- 5.6. Others

CHAPTER 6: FRICTION PRODUCTS AND MATERIALS MARKET, BY BUSINESS TYPE

- 6.1. Introduction
 - 6.1.1. Market size and forecast, by business type
- 6.2. Original Equipment (OE)
- 6.3. Aftersales

CHAPTER 7: FRICTION PRODUCTS AND MATERIALS MARKET, BY APPLICATION

- 7.1. Introduction
 - 7.1.1. Market size and forecast, by application
- 7.2. Brakes

7.3. Clutches

7.4. Industrial brake & transmission systems

CHAPTER 8: FRICTION PRODUCTS AND MATERIALS MARKET, BY END-USE INDUSTRY

8.1. Introduction

8.1.1. Market size and forecast, by end-use industry

8.2. Automotive

8.3. Railway

8.4. Construction

8.5. Aerospace & Marine

8.6. Others

CHAPTER 9: FRICTION PRODUCTS AND MATERIALS MARKET, BY REGION

9.1. Introduction

9.1.1. Market size and forecast, by region

9.2. North America

9.2.1. North America market size and forecast, by country

9.2.1.1. U.S.

9.2.1.2. Canada

9.2.1.3. Mexico

9.3. Europe

9.3.1. Europe market size and forecast, by country

9.3.1.1. UK

9.3.1.2. France

9.3.1.3. Germany

9.3.1.4. Spain

9.3.1.5. Italy

9.3.1.6. Rest of Europe

9.4. Asia-Pacific

9.4.1. Asia-Pacific market size and forecast, by country

9.4.1.1. China

9.4.1.2. India

9.4.1.3. Japan

9.4.1.4. South Korea

9.4.1.5. Thailand

9.4.1.6. Rest of Asia-Pacific

9.5. LAMEA

9.5.1. LAMEA market size and forecast, by country

9.5.1.1. Latin America

9.5.1.2. Middle East

9.5.1.3. Africa

CHAPTER 10: COMPANY PROFILES

10.1. ABS Friction, Inc.

10.1.1. Company overview

10.1.2. Company snapshot

10.1.3. Product portfolio

10.2. Akebono Brake Industry Co., Ltd.

10.2.1. Company overview

10.2.2. Company snapshot

10.2.3. Operating business segments

10.2.4. Product portfolio

10.2.5. Business performance

10.3. Carlisle Companies Incorporated

10.3.1. Company overview

10.3.2. Company snapshot

10.3.3. Operating business segments

10.3.4. Product portfolio

10.3.5. Business performance

10.4. European Friction Industries Ltd.

10.4.1. Company overview

10.4.2. Company snapshot

10.4.3. Operating business segments

10.4.4. Product portfolio

10.5. Fras-le S.A.

10.5.1. Company overview

10.5.2. Company snapshot

10.5.3. Operating business segments

10.5.4. Product portfolio

10.5.5. Key strategic moves and developments

10.6. GMP Friction Products

10.6.1. Company overview

10.6.2. Company snapshot

10.6.3. Product portfolio

10.7. Hindustan Composites Limited

- 10.7.1. Company overview
- 10.7.2. Company snapshot
- 10.7.3. Operating business segments
- 10.7.4. Product portfolio
- 10.7.5. Business performance

10.8. Miba AG

- 10.8.1. Company overview
- 10.8.2. Company snapshot
- 10.8.3. Operating business segments
- 10.8.4. Product portfolio
- 10.8.5. Business performance

10.9. Nisshinbo Holdings Inc.

- 10.9.1. Company overview
- 10.9.2. Company snapshot
- 10.9.3. Operating business segments
- 10.9.4. Product portfolio
- 10.9.5. Business performance

10.10. Tenneco Inc. (Federal-Mogul Motorparts LLC)

- 10.10.1. Company overview
- 10.10.2. Company snapshot
- 10.10.3. Operating business segments
- 10.10.4. Product portfolio
- 10.10.5. Business performance
- 10.10.6. Key strategic moves and developments

List Of Tables

LIST OF TABLES

TABLE 01. GLOBAL FRICTION PRODUCTS AND MATERIALS MARKET, BY PRODUCT, 2017-2025(\$MILLION)

TABLE 02. GLOBAL FRICTION PRODUCTS AND MATERIALS MARKET, BY BUSINESS TYPE, 2017-2025(\$MILLION)

TABLE 03. GLOBAL FRICTION PRODUCTS AND MATERIALS MARKET, BY APPLICATION, 2017-2025(\$MILLION)

TABLE 04. GLOBAL FRICTION PRODUCTS AND MATERIALS MARKET, BY END-USE INDUSTRY, 2017-2025(\$MILLION)

TABLE 05. GLOBAL FRICTION PRODUCTS AND MATERIALS MARKET, BY REGION, 2017-2025(\$MILLION)

TABLE 06. NORTH AMERICA FRICTION MATERIALS, BY COUNTRY, 2017–2025 (\$MILLION)

TABLE 07. EUROPE FRICTION PRODUCTS AND MATERIALS MARKET, BY COUNTRY, 2017–2025 (\$MILLION)

TABLE 08. ASIA-PACIFIC FRICTION MATERIALS, BY COUNTRY, 2017–2025 (\$MILLION)

TABLE 09. LAMEA FRICTION MATERIALS, BY COUNTRY, 2017–2025 (\$MILLION)

TABLE 10. ABS FRICTION, INC.: COMPANY SNAPSHOT

TABLE 11. ABS FRICTION, INC: PRODUCT PORTFOLIO

TABLE 12. AKEBONO BRAKE INDUSTRY CO., LTD.: COMPANY SNAPSHOT

TABLE 13. AKEBONO BRAKE INDUSTRY CO., LTD.: PRODUCT CATEGORIES

TABLE 14. AKEBONO BRAKE INDUSTRY CO., LTD: PRODUCT PORTFOLIO

TABLE 15. CARLISLE COMPANIES INCORPORATED: COMPANY SNAPSHOT

TABLE 16. CARLISLE COMPANIES INCORPORATED: OPERATING SEGMENTS

TABLE 17. CARLISLE COMPANIES INCORPORATED: PRODUCT PORTFOLIO

TABLE 18. EUROPEAN FRICTION INDUSTRIES LTD.: COMPANY SNAPSHOT

TABLE 19. EUROPEAN FRICTION INDUSTRIES LTD: OPERATING SEGMENTS

TABLE 20. ABC: PRODUCT PORTFOLIO

TABLE 21. FRAS-LE S.A.: COMPANY SNAPSHOT

TABLE 22. FRAS-LE S.A.: PRODUCT CATEGORIES

TABLE 23. FRAS-LE S.A.: PRODUCT PORTFOLIO

TABLE 24. GMP FRICTION PRODUCTS: COMPANY SNAPSHOT

TABLE 25. GMP FRICTION PRODUCTS: PRODUCT PORTFOLIO

TABLE 26. HINDUSTAN COMPOSITES LIMITED: COMPANY SNAPSHOT

TABLE 27. HINDUSTAN COMPOSITES LIMITED: OPERATING SEGMENTS

TABLE 28. HINDUSTAN COMPOSITES LIMITED: PRODUCT PORTFOLIO

TABLE 29. MIBA AG: COMPANY SNAPSHOT

TABLE 30. MIBA AG: OPERATING DIVISION

TABLE 31. MIBA AG: PRODUCT PORTFOLIO

TABLE 32. NISSHINBO HOLDINGS INC.: COMPANY SNAPSHOT

TABLE 33. NISSHINBO HOLDINGS INC.: OPERATING SEGMENTS

TABLE 34. NISSHINBO HOLDINGS INC.: PRODUCT PORTFOLIO

TABLE 35. TENNECO INC: COMPANY SNAPSHOT

TABLE 36. TENNECO INC.: PRODUCT CATEGORIES

TABLE 37. TENNECO INC.: PRODUCT PORTFOLIO

List Of Figures

LIST OF FIGURES

- FIGURE 01. GLOBAL FRICTION PRODUCTS AND MATERIALS, 2017–2025
- FIGURE 02. GLOBAL FRICTION PRODUCTS AND MATERIALS, BY COUNTRY, 2017–2025
- FIGURE 03. TOP INVESTMENT POCKETS, BY REGION
- FIGURE 04. TOP INVESTMENT POCKETS, BY END-USE INDUSTRY
- FIGURE 05. TOP INVESTMENT POCKETS, BY PRODUCT TYPE
- FIGURE 06. TOP INVESTMENT POCKETS, BY APPLICATION
- FIGURE 07. GLOBAL FRICTION PRODUCTS AND MATERIALS MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES
- FIGURE 08. VEHICLE SALES DATA, 2005–2017 (MILLION UNITS)
- FIGURE 09. MODERATE BARGAINING POWER OF SUPPLIERS
- FIGURE 10. HIGH THREAT OF NEW ENTRANTS
- FIGURE 11. MODERATE THREAT OF SUBSTITUTES
- FIGURE 12. HIGH INTENSITY OF RIVALRY
- FIGURE 13. HIGH BARGAINING POWER OF BUYERS
- FIGURE 14. VALUE CHAIN OF FRICTION PRODUCTS AND MATERIALS MARKET
- FIGURE 15. KEY PLAYER POSITIONING
- FIGURE 16. GLOBAL AUTO PARTS & ACCESSORIES MANUFACTURING INDUSTRY MARKET, 2014–2018 (\$TRILLION)
- FIGURE 17. GLOBAL VEHICLE PRODUCTION, 2014–2017 (UNITS)
- FIGURE 18. U.S. FRICTION PRODUCTS AND MATERIALS MARKET, 2017–2025 (\$MILLION)
- FIGURE 19. CANADA FRICTION PRODUCTS AND MATERIALS MARKET, 2017–2025 (\$MILLION)
- FIGURE 20. MEXICO FRICTION PRODUCTS AND MATERIALS MARKET, 2017–2025 (\$MILLION)
- FIGURE 21. U.K FRICTION PRODUCTS AND MATERIALS MARKET, 2017–2025 (\$MILLION)
- FIGURE 22. FRANCE FRICTION PRODUCTS AND MATERIALS MARKET, 2017–2025 (\$MILLION)
- FIGURE 23. GERMANY FRICTION PRODUCTS AND MATERIALS MARKET, 2017–2025 (\$MILLION)
- FIGURE 24. SPAIN FRICTION PRODUCTS AND MATERIALS MARKET, 2017–2025 (\$MILLION)
- FIGURE 25. ITALY FRICTION PRODUCTS AND MATERIALS MARKET, 2017–2025

(\$MILLION)

FIGURE 26. REST OF EUROPE FRICTION PRODUCTS AND MATERIALS MARKET, 2017–2025 (\$MILLION)

FIGURE 27. CHINA FRICTION PRODUCTS AND MATERIALS MARKET, 2017–2025 (\$MILLION)

FIGURE 28. INDIA FRICTION PRODUCTS AND MATERIALS MARKET, 2017–2025 (\$MILLION)

FIGURE 29. JAPAN FRICTION PRODUCTS AND MATERIALS MARKET, 2017–2025 (\$MILLION)

FIGURE 30. SOUTH KOREA FRICTION PRODUCTS AND MATERIALS MARKET, 2017–2025 (\$MILLION)

FIGURE 31. THAILAND FRICTION PRODUCTS AND MATERIALS MARKET, 2017–2025 (\$MILLION)

FIGURE 32. REST OF ASIA-PACIFIC FRICTION PRODUCTS AND MATERIALS MARKET, 2017–2025 (\$MILLION)

FIGURE 33. LATIN AMERICA FRICTION PRODUCTS AND MATERIALS MARKET, 2017–2025 (\$MILLION)

FIGURE 34. MIDDLE EAST FRICTION PRODUCTS AND MATERIALS MARKET, 2017–2025 (\$MILLION) 109

FIGURE 35. AFRICA FRICTION PRODUCTS AND MATERIALS MARKET, 2017–2025 (\$MILLION)

FIGURE 36. AKEBONO BRAKE INDUSTRY CO., LTD.: REVENUE, 2016–2018 (\$MILLION)

FIGURE 37. AKEBONO BRAKE INDUSTRY CO., LTD.: REVENUE SHARE BY REGION, 2018 (%)

FIGURE 38. CARLISLE COMPANIES INCORPORATED: REVENUE, 2016–2018 (\$MILLION)

FIGURE 39. CARLISLE COMPANIES INCORPORATED: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 40. CARLISLE COMPANIES INCORPORATED: REVENUE SHARE BY REGION, 2018 (%)

FIGURE 41. HINDUSTAN COMPOSITES LIMITED: REVENUE, 2016–2018 (\$MILLION)

FIGURE 42. HINDUSTAN COMPOSITES LIMITED: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 43. MIBA AG: REVENUE, 2016–2018 (\$MILLION)

FIGURE 44. NISSHINBO HOLDINGS INC.: REVENUE, 2016–2018 (\$MILLION)

FIGURE 45. NISSHINBO HOLDINGS INC.: REVENUE SHARE BY SEGMENT, 2018 (%)

FIGURE 46. TENNECO INC.: REVENUE, 2015–2017 (\$MILLION)

I would like to order

Product name: Friction Products and Materials Market by Product (Pads, Lining, discs, blocks, and Others), Business Type (Original Equipment and Aftersales), End User (Brakes, Clutches, and Industrial Brake & Transmission Systems), and Application (Automotive, Railway, Construction, Aerospace & Marine, and Others): Global Opportunity Analysis and Industry Forecast, 2018–2025

Product link: <https://marketpublishers.com/r/FB62AAA9FBBEN.html>

Price: US\$ 5,370.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/FB62AAA9FBBEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970