

India Coated Abrasives Market By Type (Aluminum Oxide, Silicon Carbide, Zirconia Aluminum Oxide, Others), By Application (Manufacturing & Metalworking, Automotive, Construction, Electronic & Semiconductors, Aerospace & Defense, and Others), By Product Type (Belts, Discs, Rolls, Sheets), By Region, Competition, Forecast and Opportunities, 2020-2030F

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Abstracts

The India Coated Abrasives Market was valued at USD 147.78 Million in 2024 and is expected to reach USD 218.80 Million by 2030 with a CAGR of 6.60% during the forecast period.

The India Coated Abrasives Market is experiencing significant growth, driven by rising industrialization, infrastructure development, and the expansion of key end-use sectors such as automotive, metal fabrication, woodworking, and electronics. Coated abrasives, which include sandpaper, belts, and discs, are widely used for surface finishing, polishing, and grinding applications. The increasing adoption of advanced manufacturing processes and precision engineering in India has fueled demand for high-quality coated abrasives that offer superior durability, efficiency, and cost-effectiveness. Additionally, the growing emphasis on automation and robotics in industrial sectors is further contributing to market expansion, as coated abrasives play a crucial role in automated grinding and finishing operations.

The automotive sector is a major consumer of coated abrasives in India. With increasing vehicle production and a surge in electric vehicle (EV) manufacturing, the

need for high-performance abrasives for bodywork, polishing, and engine components has risen. Government initiatives such as the Production Linked Incentive (PLI) scheme for automotive and auto components manufacturing have further boosted the demand for coated abrasives. Similarly, the metal fabrication industry, which includes machinery, tools, and construction materials, heavily relies on coated abrasives for cutting, grinding, and finishing applications. The rapid growth in the construction sector, driven by urbanization and government-led infrastructure projects like Smart Cities Mission and Make in India, is also propelling market expansion.

Key Market Drivers

Growth in the Automotive Industry

India's expanding automotive sector is a major driver for the coated abrasives market, as these materials are widely used in surface finishing, grinding, and polishing during vehicle manufacturing and repair processes. India is one of the largest automotive manufacturing hubs, with over 4 million passenger vehicles produced annually. The growing demand for electric vehicles (EVs) has further increased the need for precision-engineered components, requiring high-performance abrasives. Additionally, the rising trend of vehicle customization and restoration has fueled demand for coated abrasives in bodywork and refinishing applications. Government initiatives like the Production Linked Incentive (PLI) scheme for the auto industry have further encouraged investment in vehicle production, boosting coated abrasives usage. The increasing adoption of automated manufacturing and robotics in car production also drives the demand for premium abrasives that ensure precise material removal, surface refinement, and defect-free finishing.

Key Market Challenges

Fluctuations in Raw Material Prices

The India Coated Abrasives Market is highly dependent on raw materials such as aluminum oxide, silicon carbide, zirconia alumina, and ceramic abrasives. Frequent fluctuations in the prices of these raw materials pose a significant challenge for manufacturers. These price variations are influenced by global supply chain disruptions, geopolitical tensions, and fluctuating energy costs. India relies on imports for several key raw materials, making the industry vulnerable to international price volatility. Additionally, rising transportation and logistics costs due to fuel price hikes further impact the final production cost of coated abrasives. For manufacturers, maintaining

price competitiveness while ensuring high product quality becomes difficult in such an environment. Companies are forced to absorb higher costs or pass them on to customers, potentially reducing demand. To mitigate this challenge, firms are investing in supply chain diversification, seeking local sourcing alternatives, and exploring sustainable raw materials that offer cost efficiency without compromising on performance. However, finding reliable and cost-effective alternatives remains a significant hurdle.

Key Market Trends

Growth in Metal Fabrication and Construction Sectors

The metal fabrication and construction industries in India are witnessing rapid growth, significantly boosting the demand for coated abrasives. These industries require coated abrasives for metal cutting, grinding, polishing, and surface finishing applications. With India's push for infrastructure development under initiatives such as the Smart Cities Mission, Make in India, and Bharatmala Project, the demand for metal processing and fabrication has surged, thereby fueling the coated abrasives market.

The increasing urbanization and expansion of commercial and residential projects have also driven demand for high-quality metal components, where coated abrasives play a crucial role in sheet metal fabrication, structural steel processing, and machinery manufacturing. Additionally, India's push toward becoming a global manufacturing hub has resulted in increased industrial machinery production, requiring precision finishing solutions that coated abrasives provide.

Another key factor driving growth is the adoption of automation and robotics in metalworking. Automated grinding and polishing systems use high-performance coated abrasives to enhance precision and efficiency, reducing material waste and labor costs. Moreover, the increasing use of aluminum and stainless steel in construction and industrial applications has led to a rising demand for abrasives with higher durability and cutting efficiency.

Key Market Players

SAK Abrasives Limited

Flexible Abrasives Pvt. Ltd.

Orient Group

CUMI

Indian Abrasives Company

Saint Gobain Group

Deerfos

TYROLIT Group

Report Scope:

In this report, the India Coated Abrasives Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

India Coated Abrasives Market, By Type:

Aluminum Oxide

Silicon Carbide

Zirconia Aluminum Oxide

Others

India Coated Abrasives Market, By Application:

Manufacturing & Metalworking

Automotive

Construction

Electronic & Semiconductors

Aerospace & Defense

Others

India Coated Abrasives Market, By Product Type:

Belts

Discs

Rolls

Sheets

India Coated Abrasives Market, By Region:

North India

South India

West India

East India

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the India Coated Abrasives Market.

Available Customizations:

India Coated Abrasives Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

4. VOICE OF CUSTOMERS

5. INDIA COATED ABRASIVES MARKET OUTLOOK, 2020-2030

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Type (Aluminum Oxide, Silicon Carbide, Zirconia Aluminum Oxide, Others)
 - 5.2.2. By Application (Manufacturing & Metalworking, Automotive, Construction, Electronic & Semiconductors, Aerospace & Defense, and Others)
 - 5.2.3. By Product Type (Belts, Discs, Rolls, Sheets)
 - 5.2.4. By Region (North India, East India, West India, South India)
- 5.3. By Company (2024)
- 5.4. Market Map

6. NORTH INDIA COATED ABRASIVES MARKET OUTLOOK, 2020-2030

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Type

6.2.2. By Application

6.2.3. By Product Type

7. EAST INDIA COATED ABRASIVES MARKET OUTLOOK, 2020-2030

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Type

7.2.2. By Application

7.2.3. By Product Type

8. WEST INDIA COATED ABRASIVES MARKET OUTLOOK, 2020-2030

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Type

8.2.2. By Application

8.2.3. By Product Type

9. SOUTH INDIA COATED ABRASIVES MARKET OUTLOOK, 2020-2030

9.1. Market Size & Forecast

9.1.1. By Value

9.2. Market Share & Forecast

9.2.1. By Type

9.2.2. By Application

9.2.3. By Product Type

10. MARKET DYNAMICS

10.1. Drivers

10.2. Challenges

11. MARKET TRENDS & DEVELOPMENTS

12. POLICY & REGULATORY LANDSCAPE

13. INDIA ECONOMIC PROFILE

14. COMPANY PROFILES

14.1. SAK Abrasives Limited

- 14.1.1. Business Overview
- 14.1.2. Key Revenue and Financials
- 14.1.3. Recent Developments
- 14.1.4. Key Personnel
- 14.1.5. Key Product/Services Offered

14.2. Flexible Abrasives Pvt. Ltd.

- 14.2.1. Business Overview
- 14.2.2. Key Revenue and Financials
- 14.2.3. Recent Developments
- 14.2.4. Key Personnel
- 14.2.5. Key Product/Services Offered

14.3. Orient Group

- 14.3.1. Business Overview
- 14.3.2. Key Revenue and Financials
- 14.3.3. Recent Developments
- 14.3.4. Key Personnel
- 14.3.5. Key Product/Services Offered

14.4. CUMI

- 14.4.1. Business Overview
- 14.4.2. Key Revenue and Financials
- 14.4.3. Recent Developments
- 14.4.4. Key Personnel
- 14.4.5. Key Product/Services Offered

14.5. Indian Abrasives Company

- 14.5.1. Business Overview
- 14.5.2. Key Revenue and Financials
- 14.5.3. Recent Developments
- 14.5.4. Key Personnel
- 14.5.5. Key Product/Services Offered

14.6. Saint Gobain Group

- 14.6.1. Business Overview
- 14.6.2. Key Revenue and Financials
- 14.6.3. Recent Developments
- 14.6.4. Key Personnel
- 14.6.5. Key Product/Services Offered

14.7. Deerfos

- 14.7.1. Business Overview
- 14.7.2. Key Revenue and Financials
- 14.7.3. Recent Developments
- 14.7.4. Key Personnel
- 14.7.5. Key Product/Services Offered

14.8. TYROLIT Group

- 14.8.1. Business Overview
- 14.8.2. Key Revenue and Financials
- 14.8.3. Recent Developments
- 14.8.4. Key Personnel
- 14.8.5. Key Product/Services Offered

15. STRATEGIC RECOMMENDATIONS

16. ABOUT US & DISCLAIMER

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