

Abrasives Market to Reach \$72.2 Billion by 2030, Growing at a 7.6% CAGR Driven by Precision Finishing Demand

*The Business Research Company's
Abrasives Market Report 2026 – Market
Size, Trends, And Global Forecast 2026-
2035*

LONDON, GREATER LONDON, UNITED KINGDOM, October 16, 2026 /EINPresswire.com/ -- "The [abrasives market](#) is steadily advancing as industries increasingly demand more accurate material removal and refined surface finishing processes. Manufacturers specializing in industrial materials and abrasive solutions face intense competition across segments like bonded abrasives, coated abrasives, superabrasives, and precision finishing products. Key differentiators in this market include durability, operational efficiency, and cutting-edge abrasive technologies, all vital to the evolving fields of industrial manufacturing and materials processing.

Projected Market Size and Growth Trajectory for the Abrasives Market

By 2030, the abrasives market is anticipated to surpass \$72.2 billion, growing at a compound annual growth rate (CAGR) of 7.6%. It forms a significant portion—approximately 28%—of the larger Other Non-Metallic Mineral Products market, which is expected to reach around \$253 billion by the same year. Within the vast Metal and Mineral industry, forecasted at nearly \$9,886 billion by 2030, abrasives will represent close to 0.7% of the overall market value. This segment is set to expand at an 8% CAGR leading up to 2030, indicating robust growth potential.



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Asia-Pacific and China Stand Out as Abrasives Market Leaders

The Asia-Pacific region is poised to dominate the abrasives market by

2030, with a valuation expected to reach \$32 billion, up from \$22 billion in 2025, reflecting an 8% CAGR. This surge is driven by increased heavy manufacturing, metal fabrication, automotive production and repair, shipbuilding, infrastructure projects, and the adoption of advanced precision grinding and surface finishing technologies in both emerging and developed economies.

China will emerge as the largest national market within abrasives by 2030, valued at \$17 billion, growing from \$12 billion in 2025 at the same 8% CAGR. The country's growth stems from sectors such as electric vehicle battery and component manufacturing, semiconductor wafer polishing, consumer electronics, solar and wind equipment production, robotics, and automation-centric manufacturing plants. Industrial upgrades toward smart, high-precision engineering will also underpin this rise.

Access The Detailed Abrasives Market Report Here

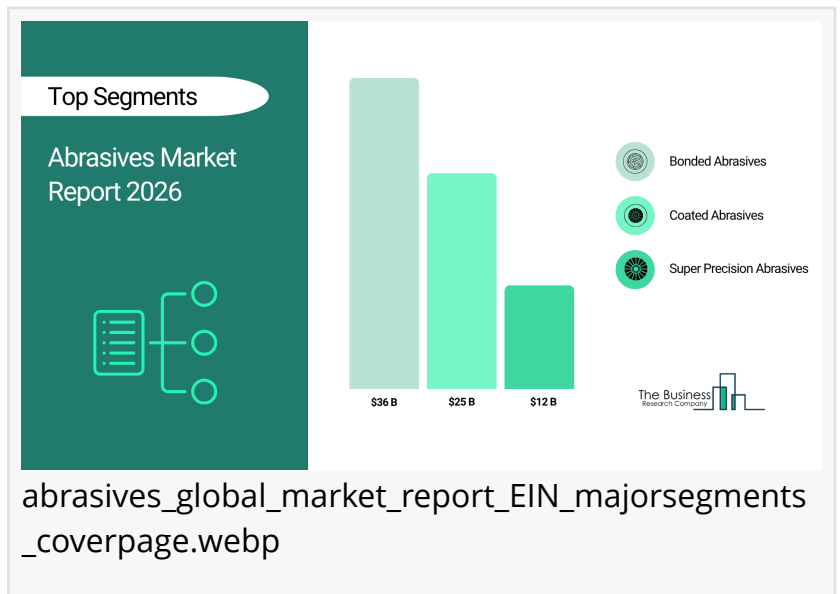
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Leading Segments within the [Abrasives Industry](#)

The abrasives market breaks down primarily into bonded abrasives, coated abrasives, and super precision abrasives by type. Bonded abrasives will hold the largest share in 2030, accounting for 49%, or \$36 billion, of the total market. This segment benefits from steady demand driven by heavy-duty metal cutting, grinding, shaping tasks, tool and die manufacturing, railway maintenance, oil and gas equipment fabrication, and industrial maintenance repair operations (MRO). High-performance abrasive wheels used in high-load machining also contribute significantly to this segment.

Additional market segmentation includes:

- Raw material types divided into natural and synthetic abrasives.
- Forms categorized as block and powdered abrasives.



- Applications such as grinding, cutting, polishing, drilling, finishing, and others.
- End-use industries covering automotive, machinery, aerospace, electrical and electronics, construction, and furniture sectors.

Main Forces Accelerating Abrasives Market Expansion

The abrasives market's rapid growth through 2030 is propelled by three critical demand areas:

Growing Automotive and Transportation Sector Needs

Abrasives play an essential role in grinding, polishing, and finishing components for vehicles and aircraft. The continual increase in vehicle production, coupled with a shift toward lightweight, high-performance materials, drives the demand for advanced surface finishing solutions that enhance durability and precision. This segment contributes an estimated 2.4% annual growth rate to the market.

Rising Metal Fabrication and Industrial Manufacturing

Metal fabrication relies heavily on abrasives for cutting, grinding, deburring, and surface preparation. Industrialization and infrastructure development spur demand for fabricated metal parts across construction, machinery, and heavy equipment industries. Automation and advanced manufacturing techniques further increase the need for high-performance abrasive products. This factor adds about 2.2% annual growth to the market.

Construction and Infrastructure Development as a Growth Catalyst

Investment in residential, commercial, and public infrastructure, alongside urbanization and smart city initiatives, fuels abrasive demand for cutting, grinding, and polishing concrete, stone, and metals. These activities require tools that enhance structural quality, durability, and finish, supporting a projected 1.5% annual growth contribution.

Innovations Driving Abrasives Market Transformation

The introduction of ceramic grain-based grinding wheels is reshaping the abrasives landscape by improving material removal rates, extending the lifespan of grinding wheels, and minimizing downtime in industrial applications. For example, in June 2026, Weiler Abrasives introduced the fortis mill hot roll and cold roll grinding wheels tailored for steel and metal processing. These wheels integrate ceramic grains with Ultralock grain retention technology, delivering greater durability, faster material removal, enhanced grinding efficiency, and longer service life.

Top Companies Competing in the [Global Abrasives Market](#)

3M Company led global sales in 2024 with an 11% market share, according to The Business Research Company. Their abrasives division offers a broad range of bonded and coated abrasives, precision grinding products, sanding systems, and surface finishing solutions tailored for metalworking, automotive, aerospace, construction, and industrial sectors. Other key players include Compagnie de Saint-Gobain S.A., Robert Bosch GmbH, Imerys S.A., Klingspor AG, Mirka Ltd., Carborundum Universal Limited, Fujimi Incorporated, and Asahi Diamond Industrial Co. Ltd., among others.

Moderate Fragmentation Marks the Abrasives Market Despite 3M's Strong Position

The abrasives market remains moderately fragmented, with the top 10 companies generating 22% of total revenue in 2024. Barriers to entry include the need for advanced precision engineering, strict quality and performance standards, and specialized manufacturing processes. Leading firms maintain their competitive edge through diversified product portfolios, strategic industrial partnerships, global distribution networks, and continuous innovation in abrasive technologies. As demand for high-performance grinding, cutting, polishing, and precision finishing rises, collaboration and regional expansion will further solidify their market positions.

Market Shares of Leading Firms in 2024

- 3M Company: 11%
- Compagnie de Saint-Gobain S.A.: 6%
- Robert Bosch GmbH: 1%
- Imerys S.A.: 1%
- Klingspor AG: 1%
- Mirka Ltd.: 1%
- Carborundum Universal Limited: 1%
- Fujimi Incorporated: 1%
- Asahi Diamond Industrial Co. Ltd.: 0.4%
- Sankyo-Rikagaku Co. Ltd.: 0.1%

Competitive Strategies Shaping the Abrasives Industry

Companies are focused on advancing abrasive material technologies to enhance precision and performance. Innovations in bonding and grain engineering aim to improve consistency and operational efficiency. Expanding manufacturing capacity is a priority to meet rising demand and strengthen supply chains. Additionally, integration of AI optimization techniques is enhancing both quality control and production efficiency.

Sources of New Market Value Growth by 2030

The bonded abrasives, coated abrasives, and super precision abrasives segments represent the most promising areas for growth, expected to collectively add over \$22 billion in value by 2030. Specifically, bonded abrasives are projected to grow by \$11 billion, coated abrasives by \$8 billion, and super precision abrasives by \$3 billion between 2025 and 2030. Key drivers include ultra-fine surface finishing for aerospace components, high-tolerance machining in medical device manufacturing, glass and ceramic processing, precision finishing for high-speed rail and metro infrastructure, along with robotic grinding and automated polishing in advanced manufacturing facilities. These trends highlight a sharpening focus on dimensional accuracy, surface integrity, and next-generation high-precision production methods.

Abrasives Market Value Chain Overview: Suppliers, Distributors, and End Users

Raw material suppliers in this space include names like Saint-Gobain Abrasives, 3M Company, Robert Bosch GmbH, Fujimi Incorporated, Imerys S.A., Carborundum Universal Limited,

Washington Mills Electro Minerals Corporation, Electro Abrasives LLC, and others specializing in natural and synthetic abrasive materials.

Wholesalers and distributors such as WESCO International Inc., Fastenal Company, Applied Industrial Technologies Inc., Motion Industries Inc., MSC Industrial Direct Co. Inc., Grainger Inc., RS Group plc, Rexel S.A., and Sonepar S.A. support the supply chain by ensuring product availability across regions and industries.

End users span leading industrial companies including The Boeing Company, Airbus SE, Lockheed Martin Corporation, Northrop Grumman Corporation, General Dynamics Corporation, BAE Systems plc, RTX Corporation, automotive giants like Ford Motor Company, General Motors Company, Toyota Motor Corporation, Volkswagen AG, BMW AG, Mercedes-Benz Group AG, Stellantis N.V., Hyundai Motor Company, Honda Motor Co. Ltd., Nissan Motor Co. Ltd., Tesla Inc., and heavy equipment manufacturers such as Deere and Company, Caterpillar Inc., Komatsu Ltd., Hitachi Construction Machinery Co. Ltd., CNH Industrial N.V., Siemens AG, and Schneider Electric SE.

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