

Rolling Mill Market Set to Reach US\$ 26.1 Bn by 2032 | Key Insights and Growth Outlook by Persistence Market Research

The rolling mill market is expanding with rising steel demand, infrastructure growth, and advanced technologies.

BRENTFORD, ENGLAND, UNITED KINGDOM, September 30, 2025 /EINPresswire.com/ -- The global [rolling mill market](#) is poised for steady expansion, driven by the rising demand for steel and the ongoing push for infrastructure development worldwide. Rolling mills, which are essential in shaping metals into flat, long, and tubular products, form a critical backbone of industries such as construction, automotive, shipbuilding, and energy. According to Persistence Market Research, the market is expected to grow from US\$ 19.3 billion in 2025 to US\$ 26.1 billion by 2032, expanding at a CAGR of 4.4% during the forecast period. This steady growth reflects the growing industrialization of emerging economies, the modernization of steel plants, and the integration of advanced automation technologies into manufacturing processes.

Among the key market segments, flat product rolling mills dominate, as demand for steel sheets and plates surges across industries including automotive, machinery, and construction. Regionally, Asia Pacific leads the global rolling mill market, with China, India, and Japan accounting for significant shares due to high steel consumption, robust infrastructure investment, and government-backed industrial expansion. Europe follows, benefiting from a mature steel industry and increasing adoption of sustainable manufacturing practices. North America also remains a strong contributor, particularly with rising investments in energy and automotive production.

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Key Highlights from the Report



Persistence
Market Research

Market Study On

Rolling Mill Market

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Rolling Mill Market

- The global rolling mill market is projected to reach US\$ 26.1 Bn by 2032.
- Flat product mills account for the largest share, driven by high sheet steel demand.
- Asia Pacific remains the leading regional market with strong steel output.
- Increasing adoption of automation and digitalization in steel production fuels efficiency.
- The market is influenced by green steel initiatives and sustainable practices.
- Steady demand is observed from construction, automotive, and energy industries.

Market Segmentation

The rolling mill market can be segmented based on product type, process type, and end-use industries. By product type, the market includes flat rolling mills, long rolling mills, and tubular rolling mills. Flat rolling mills dominate the landscape, as steel sheets and plates remain in high demand for automotive body panels, shipbuilding components, pipelines, and machinery. Long rolling mills, producing rods, bars, and wires, also hold a significant share due to applications in construction reinforcements and energy transmission. Tubular rolling mills, though a smaller segment, are gaining traction with the global push for oil and gas exploration and pipeline infrastructure.

By process type, the industry is divided into hot rolling and cold rolling. Hot rolling mills continue to lead due to their ability to produce large volumes of steel efficiently, making them integral for mass construction and heavy industrial applications. However, cold rolling mills are increasingly important in specialized sectors requiring precision, smooth finishes, and high-strength materials, particularly in automotive and aerospace manufacturing.

By end-user industries, rolling mills serve construction, automotive, shipbuilding, aerospace, oil & gas, and energy. The construction industry is the largest consumer, driven by megaprojects in Asia and the Middle East. Automotive manufacturing is another major growth driver, as lightweight steel solutions and precision-engineered components are essential in meeting sustainability and fuel-efficiency regulations. Energy and oil & gas industries also rely heavily on tubular and specialized rolled products for pipelines, rigs, and turbines.

Regional Insights

The Asia Pacific region leads the rolling mill market, fueled by China's dominance as the world's largest steel producer and India's rapidly growing infrastructure investments. Government initiatives, such as China's Belt and Road Initiative and India's Smart Cities Mission, further enhance demand for rolled steel products, making Asia Pacific a hub for rolling mill installations and expansions.

Europe maintains a significant position in the global market, supported by its established steel industry and focus on sustainable production. European manufacturers are increasingly adopting eco-friendly rolling practices, such as reducing carbon footprints and implementing

hydrogen-based steelmaking technologies. Germany, Italy, and the UK are among the key contributors within the region.

North America is also an important market, with the U.S. driving demand through automotive, aerospace, and energy industries. The ongoing modernization of steel plants and growing investments in renewable energy projects, such as wind power infrastructure, contribute to the regional market's momentum. Latin America and the Middle East & Africa are emerging as promising markets, propelled by urbanization, oil & gas pipeline development, and industrial growth.

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Market Drivers

The rolling mill market is largely driven by the global surge in steel demand across multiple industries. The construction sector remains the largest consumer, requiring steel sheets, bars, and beams for skyscrapers, bridges, and infrastructure. Rapid urbanization in Asia and Africa is particularly influential. The automotive industry also drives demand for rolled steel as manufacturers seek lightweight yet durable materials. Additionally, the increasing adoption of advanced rolling technologies, such as automation, artificial intelligence, and smart manufacturing, enhances efficiency and production capacity. Sustainability trends, including green steel initiatives, also act as a key driver, with companies increasingly investing in eco-friendly rolling processes.

Market Restraints

Despite its growth trajectory, the rolling mill market faces notable challenges. High capital investment requirements for setting up advanced rolling mills limit entry for smaller players and pose financial burdens for expansions. Volatile raw material prices, particularly fluctuations in iron ore and coal, also affect production costs and profitability. Environmental regulations on carbon emissions further restrict operations in some regions, requiring costly compliance measures. In addition, the cyclical nature of the steel industry exposes the rolling mill market to downturns during economic slowdowns, leading to reduced investments and demand fluctuations.

Market Opportunities

The future of the rolling mill market presents significant opportunities, especially with the growing push for sustainable steel production. Companies investing in low-emission technologies and energy-efficient rolling processes stand to benefit from rising demand for green steel. Technological advancements such as Industry 4.0 integration, IoT-enabled rolling mills, and predictive maintenance solutions are opening new avenues for improved productivity

and cost optimization. Furthermore, the increasing infrastructure investments in emerging economies, coupled with demand for lightweight automotive steel, provide strong growth potential. The rising need for tubular products in oil & gas, renewable energy, and transportation also presents lucrative opportunities for tubular rolling mill manufacturers.

Company Insights

Key players operating in the global rolling mill market include:

- Danieli & C. Officine Meccaniche S.p.A.
- Primetals Technologies Limited
- SMS Group GmbH
- Mitsubishi Heavy Industries Ltd.
- Uralmashplant JSC
- Nucor Corporation
- ArcelorMittal S.A.
- JFE Steel Corporation
- Steel Plantech Co.
- China National Heavy Machinery Corporation (CHMC)

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Recent Developments:

In 2023, Primetals Technologies announced the launch of advanced digital rolling solutions integrating AI-driven monitoring for higher operational efficiency.

In 2022, SMS Group partnered with a leading European steelmaker to develop a hydrogen-based rolling mill system, reducing carbon emissions significantly.

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[Cutting Equipment Market](#) : The global cutting equipment market is projected to grow from US\$ 5.3 Bn in 2025 to US\$ 7.6 Bn by 2032, registering a CAGR of 5.2%.

[U.S. Mining Hoses Market](#) : The U.S. mining hoses market is projected to grow from USD 103.9 Mn in 2025 to USD 150.3 Mn by 2032, at a CAGR of 5.4%, driven by rising mining investments, stricter safety rules, and demand for durable hoses.

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