

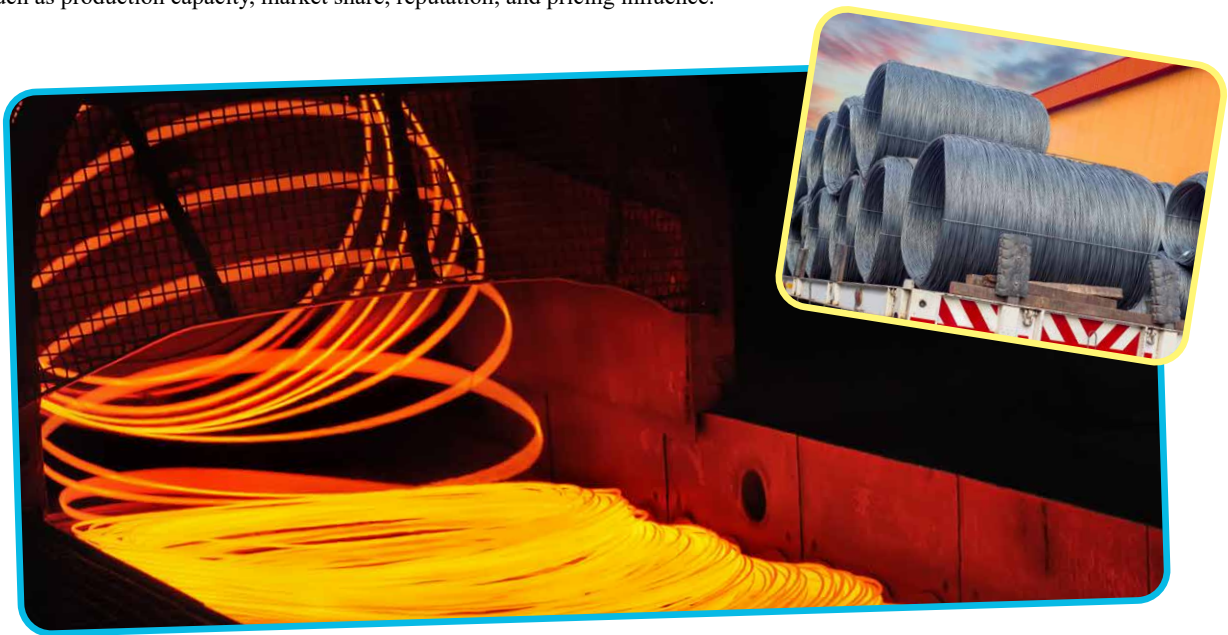
CBAM Practices of Asia's Top 5 Wire Suppliers



亚洲5大线材厂减碳之道

Introduction

The Asian market for fastener wire rods is highly competitive. Identifying the top 5 manufacturers is crucial for understanding industry trends, assessing competitive landscapes, and making informed business decisions. This analysis will consider factors such as production capacity, market share, reputation, and pricing influence.



Production Capacity

As of 2023, the global crude steel production was approximately 1,888.2 million tonnes (Mt). Asia, being a dominant player in the steel industry, contributed significantly to this total. In November 2024, Asia and Oceania produced 111.3 Mt, indicating a substantial monthly output. In 2023, Asia's total crude steel production was approximately 1.367 billion tons, a slight increase of 0.7% compared to the previous year.

Focusing on the top five Asian steel manufacturers, here are their respective production capacities:

• Top 5 Steel Manufacturers in Asia: Key Statistics and Achievements

1. China Baowu Group

As the largest steel producer in Asia, China Baowu Group achieved a staggering crude steel output of 130.77 million tons in 2023. With operating revenue of 154 billion USD and a profit of 4.4 billion USD, Baowu leads the industry. Committed to sustainability, the group plans to reduce carbon emissions per tonne by 30% from 2020 to 2035 and achieve carbon neutrality by 2050. China Baowu leverages its immense production capacity to supply markets globally, influencing pricing across Asia and Europe.



¹https://worldsteel.org/wp-content/uploads/December-2023-crude-steel-production-and-2023-global-crude-steel-production-totals-1.pdf?utm_source=chatgpt.com

²https://worldsteel.org/media/press-releases/2024/october-2024-crude-steel-production/?utm_source=chatgpt.com

³<https://mrssteel.com.vn/blogs/steel-blog/largest-steel-plants-in-asia#:~:text=In%202023%2C%20Asia's%20total%20crude,%2C%20India%2C%20Japan...>



2. Ansteel Group

Ranking second in Asia, Ansteel Group produced 55.89 million tons of crude steel in 2023 following its merger with Benxi Steel, making it the world's third-largest steel manufacturer. The group aims for 70 million tons of steel output by 2025, with revenue projected at 46 billion USD. Ansteel is recognized for innovation, including advanced high-strength steel (AHSS) applications to enhance vehicle efficiency and reduce emissions. Ansteel has a robust export presence, particularly targeting Southeast Asia and expanding its reach through joint ventures and collaborations.



3. Nippon Steel Corporation

Producing 43.66 million tons of crude steel in 2023, Nippon Steel ranks as one of Asia's major players. The company has earned international recognition, including the Innovation of the Year Award from the World Steel Association. Focused on sustainability, Nippon Steel plans to reduce carbon emissions by 30% by 2030 and achieve carbon neutrality by 2050. Nippon Steel is a key supplier of high-quality steel, especially wire rods used in automotive fasteners worldwide, contributing significantly to global industrial supply chains.

4. HBIS Group

With an output of 41.34 million tons, HBIS Group is a global leader in green steel initiatives. The group has expanded operations internationally, including projects in Serbia and partnerships with global companies. Named a "Sustainability Champion" in 2023, HBIS is at the forefront of hydrogen-based steel production and carbon reduction technologies. HBIS Group has expanded its footprint into Europe through its Serbian operations, enhancing its export capabilities.

5. Shagang Group

Jiangsu Shagang Group, a top private steel manufacturer, produced 41.45 million tons of crude steel in 2023. Despite a 7.6% revenue drop in 2022 to 27 billion USD, Shagang maintains its industry prominence. The group holds certifications such as API and CE, underscoring its product quality and adherence to global standards. Jiangsu Shagang excels in exports to Southeast Asia and Europe, known for its adaptability to diverse market demands.

These companies' ability to set regional price trends and command a strong export presence underscores their leadership in the steel industry.

Reputation for Innovation and Quality

In the competitive global steel industry, a select group of manufacturers has established a reputation for innovation, quality, and customer-focused strategies, setting themselves apart as leaders in their field.



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These companies combine cutting-edge technology with sustainable practices, catering to the evolving demands of modern industries while addressing environmental concerns.

1. China Baowu: Pioneers in Sustainable Steel Production

China Baowu and Ansteel have emerged as frontrunners in sustainable steelmaking by heavily investing in green technologies. China Baowu, the world's largest steel producer, has been a driving force behind the green steel movement. The company's commitment to carbon neutrality is reflected in its **adoption of cutting-edge production methods, such as electric arc furnaces powered by renewable energy**. These innovations not only minimize environmental impact but also maintain the high quality that customers expect.

2. Ansteel: Pioneers in Sustainable Steel Production

Similarly, Ansteel has integrated sustainable practices into its operations, focusing on reducing carbon emissions and improving energy efficiency. By leveraging advanced technologies, Ansteel has **developed eco-friendly steel solutions without compromising durability or performance**. Their dedication to green innovation positions them as a trusted partner for industries seeking environmentally responsible materials.



3. Nippon Steel: Excellence in High-Strength Steel

Nippon Steel, a leader in advanced steel technologies, has built a stellar reputation for producing high-strength steel that meets the rigorous

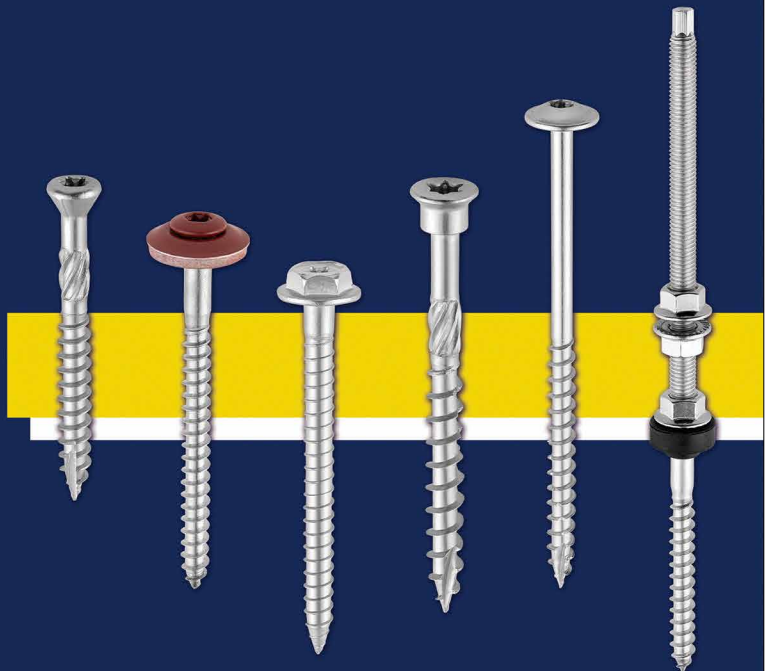
demands of industries like automotive, construction, and infrastructure. Renowned for its engineering excellence, the company has **developed products such as ultra-high-tensile steel sheets, which enhance vehicle safety and reduce weight**, thereby improving fuel efficiency. Nippon Steel's focus on research and development has earned the company numerous accolades, further solidifying its status as an industry innovator. Their ability to deliver cutting-edge solutions tailored to the needs of global markets demonstrates a commitment to both quality and customer satisfaction, ensuring long-term success in a competitive landscape.

4. HBIS Group: Leading the Hydrogen Revolution

As the steel industry seeks to reduce its carbon footprint, HBIS Group has positioned itself as a pioneer in hydrogen-based steelmaking. By launching innovative pilot projects, HBIS is setting new benchmarks for environmental sustainability in the sector. The company's initiatives involve **replacing traditional carbon-intensive methods with hydrogen, significantly lowering greenhouse gas emissions**. This forward-thinking approach not only aligns with global climate goals but also enhances HBIS Group's reputation as an environmentally responsible producer. Their leadership in green steelmaking serves as a model for the industry, demonstrating that sustainability and profitability can go hand in hand.



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5. Jiangsu Shagang: Reliability and Cost-Competitiveness

Jiangsu Shagang has earned a reputation for being a reliable and cost-competitive steel manufacturer. By maintaining efficient production processes and leveraging economies of scale, Shagang offers high-quality steel at competitive prices. This combination of affordability and reliability has attracted a diverse clientele across both domestic and international markets. Shagang's ability to deliver consistent quality while remaining cost-effective has made it a preferred supplier for industries ranging from construction to manufacturing. Their customer-centric approach ensures that they continue to meet the evolving needs of their clients, strengthening their position in the global market.



Conclusion

China Baowu leverages its dominant production capacity to stabilize the fastener wire rod market by ensuring consistent availability of high-quality materials. Its investments in green steel technologies, such as electric arc furnaces, also make its wire rods more appealing to industries prioritizing sustainability, thus driving demand while maintaining competitive pricing. Ansteel, known for its advanced high-strength steel (AHSS) and innovation in lightweight yet durable materials, supplies wire rods tailored for high-performance fasteners used in automotive and aerospace applications, giving it a strategic edge in premium markets. Nippon Steel focuses on precision and strength, producing ultra-high-tensile wire rods that meet the exacting standards of industries such as automotive and construction, where fasteners need to handle extreme stress and environmental conditions. HBIS Group's leadership in hydrogen-based steelmaking brings an eco-friendly dimension to its wire rods, which are increasingly sought after by industries aiming to lower their carbon footprint. This innovative approach not only boosts its reputation but also allows HBIS to command a premium for its environmentally friendly products. Jiangsu Shagang, known for cost-efficiency and reliability, ensures that its wire rods are competitively priced, making it a go-to supplier for fastener manufacturers in cost-sensitive markets, especially in Southeast Asia and Europe. These companies collectively shape fastener wire rod trends by aligning their offerings with market demands for quality, innovation, and sustainability. ■

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