

Cold Rolled Coil Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Sales Channel (Direct, Indirect), By End Use (Automotive, Construction & Infrastructure, Appliances & Electronic, Packaging, Electrical & Power Generation, Others), By Region and Competition, 2020-2030F

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Abstracts

Global Cold Rolled Coil (CRC) market was valued at USD 72,904.42 million in 2024 and is projected to reach USD 93,400.52 million by 2030, growing at a compound annual growth rate (CAGR) of 4.85% over the forecast period. This growth is driven by rising demand across key industries such as automotive, construction, consumer goods, and industrial manufacturing. Cold rolled coils—processed at ambient temperatures through cold reduction mills—are known for their exceptional surface finish, enhanced strength, and high dimensional precision. These properties make CRCs an ideal choice for applications requiring high-quality steel.

Market Drivers

Expansion of the Automotive Industry

The automotive sector represents one of the largest consumers of CRC, utilizing it for manufacturing vehicle body panels, structural elements, and chassis systems. The industry's pivot toward lightweight, high-strength materials—aimed at improving fuel efficiency and meeting safety standards—has intensified demand for Advanced High-Strength Steel (AHSS) CRCs. China's focus on New Energy Vehicles (NEVs) exemplifies this trend. Government incentives, such as tax exemptions, have propelled

NEV production from approximately 17,500 units in 2013 to over 3.5 million units in 2021. These efforts aim to reduce urban air pollution and enhance the competitiveness of Chinese automakers in the global market.

Globally, increasing vehicle production—especially in markets like China, India, the United States, and Germany—is fueling CRC demand. CRC’s superior finish, consistent thickness, and mechanical strength are critical for components such as doors, roof structures, and crash-resistant parts. The shift toward regulatory-compliant, fuel-efficient vehicle designs continues to drive adoption of AHSS and Ultra High-Strength Steel (UHSS), predominantly manufactured through cold rolling processes.

Growth in Infrastructure and Construction

Rapid urbanization and ongoing infrastructure development are increasing the need for CRC in construction applications such as roofing, wall panels, and structural frameworks. The material’s high durability and corrosion resistance make it a preferred choice for long-lasting building components.

Market Challenges

Volatile Raw Material Costs

One of the primary challenges facing the CRC market is the volatility of raw material prices. CRC production relies heavily on hot rolled steel, which in turn depends on commodities like iron ore, coking coal, and scrap metal. Prices of these inputs fluctuate frequently due to global economic conditions, geopolitical tensions, and supply chain disruptions.

Iron ore prices, in particular, are highly sensitive to supply-demand imbalances and trade policies. Any disruption in key supplier nations such as Australia, Brazil, or China can lead to sudden cost increases. Additionally, energy costs—particularly for coking coal and electricity—significantly influence operational expenses in CRC manufacturing. Stricter environmental regulations and carbon compliance standards are also contributing to increased production costs for energy-intensive steel processes.

Market Trends

Rising Application in Electrical and Home Appliance Sectors

The growing consumer base for electronics and home appliances—including refrigerators, washing machines, ovens, and air conditioners—is contributing to increased CRC consumption. Certain CRC grades, such as JIS 35JN270, are commonly used in appliance production due to their strength and corrosion resistance.

Cold-rolled electrical silicon steel, a specific type of CRC, is widely used in generators, electric motors, and transformers. As renewable energy infrastructure expands and countries invest in modernizing power distribution networks, the demand for CRC-based electrical components is expected to rise. The material's superior formability and structural integrity make it essential in manufacturing casings, doors, and internal parts of both residential appliances and industrial electrical systems.

Key Market Players

JSW Steel Ltd.

Usinas Siderúrgicas de Minas Gerais S.A. (USIMINAS)

Tata steel

JFE Steel Corporation

Hyundai Steel

MARCEGAGLIA STEEL S.p.A

Gnee Steel (tianjin) Co., Ltd

ArcelorMittal

Benxi Steel Plates Co., Ltd.

Report Scope

In this report, the Global Cold Rolled Coil Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Cold Rolled Coil Market, By Sales Channel:

Direct

Indirect

Cold Rolled Coil Market, By End Use:

Automotive

Construction & Infrastructure

Appliances & Electronic

Packaging

Electrical & Power Generation

Others

Cold Rolled Coil Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Cold Rolled Coil Market.

Available Customizations:

Global Cold Rolled Coil Market report with the given market data, Tech Sci Research

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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).

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