

# **Cut and Bend Equipment Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product Type (Cutting and Shaping, Mesh Cutting and Bending, Straightening, Stirrups, Bar Shaping, Others), By Operation Mode (Semi-Automatic, Automatic), By End-User (Manufacturing, Engineering Contractors /Construction, Steel, Wire/Mattress, Others), By Region & Competition, 2021-2031F**

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## **Abstracts**

The Global Cut and Bend Equipment Market is projected to grow from USD 3.06 Billion in 2025 to USD 4.03 Billion by 2031, achieving a CAGR of 4.71%. This equipment category includes specialized machinery engineered to shear and shape steel reinforcement bars into specific configurations for reinforced concrete structures. The market's expansion is primarily underpinned by a global increase in infrastructure development and the critical need to reduce material waste through automated processing. According to the VDMA, construction equipment manufacturers anticipated a sales increase of approximately 5 percent for the year 2025 as of March 2025, driven by new opportunities in regions such as the Middle East.

However, a major obstacle hindering broader market growth is the substantial initial capital investment required for automated machinery. High procurement and maintenance costs can discourage small and medium-sized enterprises from upgrading from manual methods, thereby restricting the adoption of advanced technology in cost-sensitive regions.

## Market Driver

The primary catalyst for the Cut and Bend Equipment Market is the expansion of the global construction and infrastructure sectors. Governments and private developers are increasing capital expenditure on large-scale public works, transportation networks, and residential projects, which necessitates the efficient mass production of reinforced concrete components. This surge in activity drives the demand for automated rebar processing machinery to ensure structural integrity and meet strict project deadlines. According to the U.S. Census Bureau's 'Monthly Construction Spending' report from February 2025, the total value of construction put in place in 2024 reached \$2,154.4 billion, representing a 6.5 percent increase over the previous year, highlighting the need for high-capacity equipment to handle significant steel volumes.

Simultaneously, the market is heavily influenced by rising labor costs and a persistent shortage of skilled workers. Construction firms are increasingly shifting from manual rebar preparation to automated cut and bend solutions to reduce reliance on manual labor, minimize human error, and improve operational safety. This transition is vital for maintaining productivity despite workforce gaps. In January 2025, Associated Builders and Contractors estimated in their workforce shortage model that the construction industry needs to attract 439,000 net new workers in 2025 to meet demand. Furthermore, in rapidly developing regions where infrastructure needs are critical, material consumption indicates strong equipment potential; the World Steel Association projects that India's steel demand will grow by approximately 9 percent over the 2025-2026 period.

## Market Challenge

The significant initial capital investment required for automated cut and bend machinery serves as a formidable barrier to market entry and expansion. For many small and medium-sized enterprises, the high purchase price, combined with ongoing expenses for specialized maintenance and operation, makes the transition from manual to automated processing financially unfeasible. This financial threshold effectively divides the market, limiting the adoption of advanced technology to large-scale players with substantial capital reserves, while smaller entities remain dependent on labor-intensive methods.

Moreover, this cost sensitivity is aggravated by prevailing economic conditions that discourage heavy equipment expenditure. High interest rates and inflationary pressures on materials significantly raise the total cost of ownership, causing companies to delay

or cancel fleet upgrades. This trend is reflected in recent industry performance data; according to the Committee for European Construction Equipment (CECE), the European construction equipment market recorded a 19 percent sales decline in 2024, largely due to high operating costs and economic uncertainty. Such financial strain directly restricts the addressable market for cut and bend equipment, as potential buyers prioritize liquidity over technological advancement.

## **Market Trends**

The widespread adoption of Direct Connectivity with Building Information Modeling (BIM) Software is fundamentally transforming the Global Cut and Bend Equipment Market by creating a seamless digital link between design and fabrication. This trend addresses the industry's need for accuracy and waste reduction by enabling rebar detailing data to be exported directly from architectural models to processing machinery, thereby eliminating manual data entry errors. Manufacturers are increasingly digitizing their product catalogs to support this integrated workflow, ensuring that physical production aligns perfectly with virtual specifications. According to the NBS 'Digital Construction Report 2025' released in December 2025, 73 percent of manufacturers now offer BIM or digital objects for at least some of their products, reflecting the sector's rapid shift towards fully connected digital ecosystems for complex infrastructure projects.

Simultaneously, the market is experiencing a robust transition to Servo-Electric and All-Electric Actuation Technology, driven by the demand for higher precision, energy efficiency, and environmental sustainability. Unlike traditional hydraulic systems, servo-electric solutions offer superior control over bending angles and speeds while significantly reducing noise levels and eliminating the risk of hydraulic fluid leaks. This technological shift not only improves operational cleanliness but also drastically enhances throughput capabilities for high-volume production. According to Schnell Group's September 2024 update, 'Schnell Stirrup Benders: Innovation and reliability,' the integration of new predictive motorized intelligent unwinding systems allows these advanced machines to achieve up to 20 percent higher productivity compared to conventional methods, underscoring the operational benefits of electric actuation.

## **Key Market Players**

Beka-Mak Makina Sanayi ve Ticaret A.S.

Emmegi S.p.A.

Raimondi Group S.r.l.

OMCN S.p.A.

Zhangjiagang Jintai Machinery Co., Ltd.

MASA GmbH

Ironworkers, Inc.

Peddinghaus Corporation

CMZ Sistemi S.r.l.

Schumacher GmbH & Co. KG

## Report Scope

In this report, the Global Cut and Bend Equipment Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

### Cut and Bend Equipment Market, By Product Type

Cutting and Shaping

Mesh Cutting and Bending

Straightening

Stirrups

Bar Shaping

Others

### Cut and Bend Equipment Market, By Operation Mode

Semi-Automatic

Automatic

### Cut and Bend Equipment Market, By End-User

Manufacturing

Engineering Contractors /Construction

Steel

Wire/Mattress

Others

### Cut and Bend Equipment 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 Cut and Bend Equipment Market.

## **Available Customizations:**

Global Cut and Bend Equipment 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:

*Cut and Bend Equipment Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By...*

## Company Information

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