

# Flying Shear Controller Market Size to Reach Billion by 2030 with CAGR

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

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/EINPresswire.com/ -- "The [flying shear controller industry](#) has witnessed

significant growth recently, driven by advancements in industrial automation and increasing production demands in various sectors. As manufacturing processes become more sophisticated, the market for these controllers is set to expand further, responding to the needs of high-speed and precise operations.

## Flying Shear Controller Market Size and Projected Growth by 2025

The flying shear controller market has experienced robust growth over recent years. It is projected to increase from \$0.73 billion in 2025 to \$0.77 billion in 2026, growing at a compound annual growth rate (CAGR) of 6.2%. This expansion during the historical period can be linked to the rising adoption of industrial automation in metallurgical plants, the enlargement of steel and aluminum production capacities, advancements in programmable logic controller-based systems, the increasing need for operational efficiency in rolling mills, and the early mechanization of cutting and shearing processes.

Looking ahead, the market is expected to reach \$1 billion by 2030, with a CAGR of 6.5%. Factors fueling this forecasted growth include the rising demand for smart manufacturing upgrades, increased investments in high-speed production lines, a stronger focus on precision engineering and reducing defects, growth in automated pipe and tube manufacturing facilities, and the integration of advanced motion control systems in developing economies. Market trends during the forecast period will highlight the demand for high precision cutting in steel rolling operations, wider adoption of high-speed continuous production line setups, efforts to minimize material waste in metal processing, modernization of legacy shear control systems, and the growing need for synchronized motion control in heavy industrial machinery.

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### Understanding the Role of Flying Shear Controllers in Modern Manufacturing

Flying shear controllers serve as automation systems designed to coordinate cutting actions with materials moving continuously on production lines. They precisely control timing and speed so that materials can be cut accurately without stopping the manufacturing process. This technology is essential in high-speed production environments where efficiency, accuracy, and uninterrupted workflows are critical. By enabling seamless integration of cutting operations, flying shear controllers contribute to smoother manufacturing cycles and higher output quality.

### Industrial Automation Adoption as a Key Growth Driver for Flying Shear Controllers

One of the primary factors propelling growth in the flying shear controller market is the increasing use of industrial automation. Industrial automation involves the application of control systems, computers, and machinery to manage processes with minimal human intervention. This approach improves operational efficiency by enhancing production speed, accuracy, and consistency while reducing human error and labor costs. Flying shear controllers support this automation by allowing precise, high-speed cutting of continuously moving materials, which leads to improved productivity, reduced waste, and better alignment with automated manufacturing lines. For example, data from March 2024 by the International Federation of Robotics showed that global industrial robot installations reached 541,302 units in 2023, indicating ongoing growth in automation adoption across industries. This surge in automation directly contributes to the expanding market for flying shear controllers.

View the full flying shear controller market report:

[https://www.thebusinessresearchcompany.com/report/flying-shear-controller-market-report?utm\\_source=EINPresswire&utm\\_medium=Paid&utm\\_campaign=Jun\\_PR](https://www.thebusinessresearchcompany.com/report/flying-shear-controller-market-report?utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Jun_PR)

### Automotive Production Growth Driving Demand for Flying Shear Controllers

Another significant market driver is the increasing demand for automotive production, fueled by factors such as urbanization, rising incomes, and greater vehicle ownership. This growing need for manufacturing vehicles and automotive components requires highly efficient and precise production lines. Flying shear controllers are crucial in these settings because they enable the synchronized cutting of materials on high-speed continuous lines used in steel processing and component fabrication, ensuring accuracy and minimal material loss while maintaining uninterrupted production. For instance, in September 2024, the European Automobile Manufacturers' Association reported that car production in the European Union reached 12.2 million units in 2023, marking an 11.6% increase from the previous year. This rise in automotive output plays a crucial role in driving demand for flying shear controllers.

### Regional Overview of the Flying Shear Controller Market

In 2025, North America is expected to maintain its position as the largest regional market for flying shear controllers. Meanwhile, the Asia-Pacific region is projected to grow at the fastest

pace throughout the forecast period. The market analysis encompasses key regions including Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa, providing a comprehensive view of global market trends and opportunities.

Our 2026 reports feature deeper market intelligence with market attractiveness scoring and analysis, total addressable market (TAM) analysis, company scoring matrix graphics and tables, Excel-based forecasting dashboards, market hotspots infographics, key technologies and future trend analysis, and updated graphics and tables.

Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: [marketing@tbrc.info](mailto:marketing@tbrc.info)

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Oliver Guirdham

The Business Research Company

+44 7882 955267

[info@tbrc.info](mailto:info@tbrc.info)

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