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Computer Numerical Control Machines Market Size, Share & Trends Analysis Report By Type (Laser Machines, Milling Machines, Laser Machines), By End Use, By Region, And Segment Forecasts, 2022 - 2030

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Abstracts

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Computer Numerical Control Machines Market Growth & Trends

The global computer numerical control machines market size is projected to reach USD 132.93 billion by 2030, registering a CAGR of 10.2% from 2022 to 2030, according to a new study by Grand View Research, Inc. The market demand is expected to reach over 2,800 thousand units by 2030. The growth can be ascribed to an increase in the need for automated and high-precision computer numerical control (CNC) machines, which is anticipated to drive market growth over the forecast period. Growing preference from conventional three-axis machines to 4-axis and 5-axis machines are also expected to bode well for the market growth over the next few years.

Shortage of skilled expertise and increasing labor costs in developed economies, particularly in Europe and the U.S., have been primary concerns for the OEMs. Therefore, the need for automated machines in metalworking and other general manufacturing industries is likely to create the demand for automated CNC machines over the forecast period. Increasing raw material prices and shortage of components owing to supply chain disruptions are also presumed to hinder the market growth over the next few years.

From the supply side, OEMs are upgrading their product offering by improving technical capabilities with Computer-Aided Design & Computer-Aided Manufacturing (CAD/CAM)

latest software tools. The trend is also presumed to support market growth over the forecast period. The integrated CAD/CAM software with CNC machines enable OEMs to offer customers to manufacture defect-free finished products, improve productivity, and accelerate the production of complex product designs at reduced time. CNC manufacturers and software vendors collaborate in this space to enhance their existing product portfolio. For instance, in December 2020, CNC Software Inc., one of the CAD/CAM software solutions providers (now part of Sandvik Group), developed 5-axis Post Processor for FANUC Corporation's CNC machines. The product launch envisages Fanuc Corporation’s customers to increase their productivity using CNC machines tools.

Computer Numerical Control Machines Market Report Highlights

By 2030, the demand for milling machines is anticipated to reach around 500 thousand units. The growth can be attributed to the rising popularity of multi-axis milling machines in the aerospace and automotive industries

Increasing demand for electric vehicles is expected to create the need for CNC machines in the automotive segment. Hence, the segment is expected to register a CAGR exceeding 12% over the forecast period

The rapid growth in the industrial sector, notably the metalworking and semiconductor manufacturing industries, is projected to drive growth in the Asia Pacific regional market. It is projected to record the highest CAGR of 13.0% from 2022 to 2030

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