

Global Machine Tools Market Size study & Forecast, by Technology (CNC, Conventional) By Product (Metal Cutting, Metal Forming) By Application (Automotive, General Machinery, Precision Engineering, Transport Machinery, Others) and Regional Analysis, 2023-2030

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Abstracts

Global Machine Tools Market is valued approximately at USD 125.1 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 6% over the forecast period 2023-2030. Machine Tools are devices that are used to shape, cut, grind, or form materials into a desired shape or size. They are essential in manufacturing and machining processes, enabling the production of precision components and products. Machine tools are used in various industries, including automotive, aerospace, electronics and general manufacturing. The Machine Tools market is expanding because of factors such as growing installations of industrial robots and increasing adoption of CNC technology. As a result, the demand of Machine Tools has progressively increased in the international market during the forecast period 2023-2030.

Industrial robots are often integrated with machine tools in automated manufacturing processes. As the number of industrial robots increases, there is a higher demand for machine tools to support automated production lines. Machine tools play a crucial role in the machining and shaping of components, contributing to the overall automation of manufacturing processes. According to Statista, global installations of industrial robots accounts 384,000 units and projected to reach up to 518,000 units by the year end of 2024. Another important factor drives the Machine Tools market is increasing adoption of CNC technology. CNC technology allows for highly precise and accurate machining operations. The automated control of tools and movements ensures consistent and repeatable results, meeting tight tolerances and quality standards. This is crucial in

industries such as aerospace, automotive and electronics where precision is paramount. In addition, as per Statista, the global computer numerical control market accounts USD 16334 million in 2020 and projected to reach up to USD 22904 million by the year 2026. Moreover, technological advancement with machine tools and rising demand of adaptive machining tools are anticipated to create a lucrative growth opportunity for the market growth over the forecast period. However, high initial investment associated to machine tools and lack of standardization in industrial communication protocols and interfaces is going to impede overall market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Machine Tools Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 with largest market share owing to the growing investments in research and development related to precise adaptable tools in the region. Investments in R&D contribute to the integration of automation and robotics in machine tools. This results in the development of smart manufacturing systems that can operate autonomously, improving production efficiency, reducing human error, and allowing for continuous operation. The region's dominant performance is anticipated to propel the overall demand of Machine Tools. Furthermore, Asia Pacific is expected to be the fastest growing regional market during the forecast period, owing to factors such as growing adoption of industrial automation in the region. Automation allows for the execution of repetitive and labor-intensive tasks without continuous human intervention. This reduces the need for manual labor, leading to cost savings for manufacturers. Machine tools with automation features contribute to production of high-quality components with minimal human involvement.

Major market player included in this report are:

Yamazaki Mazak Corporation

Doosan Machine Tools Co., Ltd

Trumpf GmbH + Co. KG

Amada Holdings Co., Ltd

ISCAR LTD

MAG IAS GmbH

SCHULER AG

Fraisa SA

Hyundai WIA Corporation

Kennametal Inc

Recent Developments in the Market:

In July 2022, Nidec Machine Tool Corporation has introduced the MVR-Ax family of new double-column machining centres. These new items were designed to be simple to use and fulfil the different needs of factories that manufacture large-scale components. The MVR-Ax series can perform a wide range of optional operations, including a table size that can accommodate big workpieces, an abundance of attachments to the main axis, and automated functions such as an automatic palette changer for a variety of user applications. Furthermore, high-performance machining technology and digital technology to improve operability and maintenance capability increase the total productivity of MVR-Ax machining centres.

Global Machine Tools Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Technology, Product, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology

CNC

Conventional

By Product

Metal Cutting

Metal Forming

By Application

Automotive

General Machinery

Precision Engineering

Transport Machinery

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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