

Global Measuring Robot Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Measuring Robot market size was valued at USD 531.1 million in 2023 and is forecast to a readjusted size of USD 755.8 million by 2030 with a CAGR of 5.2% during review period.

Measuring robot, also known as robotic total station, is the measurement platform with automatic target recognition, automatic calibration, automatic angle measurement and distance measurement, automatic target tracking, automatic recording function. The primary use of robotic total stations is in surveying, which is critical and demands high precision. Robotic total stations are advanced, easy to install, reliable, and fast, due to which surveying applications contributed the largest share of over 44% in 2016.

This industries Concentration is very high. The top three leading companies Hexagon, Topcon and Trimble share over 98% market and still keep their expansion by developing high-end products.

North America is the largest consumption region of Robotic Total Station, with a consumption market share over 35.0% in 2022. The North America accounted for the highest share of robotic total stations market in 2022, as it is a mature market for automation and robotic technology, which has already incorporated robots in various industrial and services sectors. Compared with other regions, there is high awareness in the Americas with regards to advanced technology and its advantages. This factor has contributed to the growth of robots and automation in the North America. The second place is Europe; following North America with the consumption market share over 32.0% in 2022. The industries and services sector are constantly trying to improve productivity by incorporating automated solutions and robotic equipment. The

advantages of robotic total stations over traditional surveying equipment include factors such as cost reduction, precision, and speed, which are the primary considerations in mining and construction applications. APAC accounted for the smallest market share of robotic total stations market in 2022, as it is a cost-conscious region with small and medium-scale construction and surveying contractors who are averse to investing in cost-intensive technologies. However, the region is witnessing growth in the adoption of traditional total stations owing to increased awareness with respect to the advantages of robotic total stations.

The Global Info Research report includes an overview of the development of the Measuring Robot industry chain, the market status of Surveying (0.5" Accuracy, 1" Accuracy), Engineering and Construction (0.5" Accuracy, 1" Accuracy), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Measuring Robot.

Regionally, the report analyzes the Measuring Robot markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Measuring Robot market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Measuring Robot market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Measuring Robot industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., 0.5" Accuracy, 1" Accuracy).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Measuring Robot market.

Regional Analysis: The report involves examining the Measuring Robot market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Measuring Robot market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Measuring Robot:

Company Analysis: Report covers individual Measuring Robot manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Measuring Robot. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Surveying, Engineering and Construction).

Technology Analysis: Report covers specific technologies relevant to Measuring Robot. It assesses the current state, advancements, and potential future developments in Measuring Robot areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Measuring Robot market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Measuring Robot market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

0.5" Accuracy

1" Accuracy

2" and Other Accuracy

Market segment by Application

Surveying

Engineering and Construction

Excavation

Major players covered

Hexagon

Topcon

Trimble

HILTE

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Measuring Robot product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Measuring Robot, with price, sales, revenue and global market share of Measuring Robot from 2019 to 2024.

Chapter 3, the Measuring Robot competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Measuring Robot breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Measuring Robot market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Measuring Robot.

Chapter 14 and 15, to describe Measuring Robot sales channel, distributors, customers, research findings and conclusion.

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