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Automated Test Equipment Market Size and Forecasts (2020 - 2030), Global and Regional Share, Trends, and Growth Opportunity Analysis Report Coverage: By Type (Integrated Circuits (ICs) Testing, Printed Circuit Boards (PCBs) Testing, Hard Disk Drives (HDDs) Testing, and Others), Component (Industrial PCs, Mass Interconnect, and Handler/Prober), and End User (Consumer Electronics, Automotive, Medical, Aerospace & Defense, IT & Telecommunication, and Other Industries)

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Abstracts

The automated test equipment market size is expected US$ 6.1 billion in 2022 and is expected to reach US$ 10.6 billion by 2030. The automated test equipment market is estimated to record a CAGR of 7.2% from 2022 to 2030.

APAC automated test equipment market consists of countries such as China, Japan, India, and South Korea, and Rest of APAC. These countries have witnessed high growth in their manufacturing industries in recent years. APAC is on the verge of becoming a global manufacturing hub with the presence of diverse manufacturing industries, including electronics, automotive, and petrochemical production businesses. China is evolving into a high-skilled manufacturing hub, followed by other developing countries such as India, South Korea, Vietnam, and Taiwan. Governments of several APAC countries are offering tax rebates, funds, subsidies, etc., to attract manufacturing companies to set up plants in their respective countries. Initiatives such as Made in China 2025 and Make in India propel the growth of the manufacturing industry in the

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respective countries, which demands test equipment which further drive automated test equipment market growth.

China is the largest producer of passenger cars in the world, followed by Japan, India, and South Korea. This would further propel the automated test equipment market share in the country. Also, the consumer electronics manufacturing industry in Asia Pacific is leading globally. The presence of these industries is anticipated to influence the automated test equipment market growth positively. In addition, China, which is the largest manufacturing hub, is experiencing a rise in the country's labor cost owing to the aging population of the country. As a result, manufacturing enterprises from developed countries are seeking to make investments in other Southeast Asian countries to take advantage of improving infrastructure, rising domestic consumption, and lower costs in these countries.

Global automated test equipment market is segmented by type into integrated circuits (ICs) testing, printed circuit boards (PCBs) testing, hard disk drives (HDDs) testing, and others. The integrated circuits (ICs) testing segment held the largest automated test equipment share in 2022. Integrated circuit testing gives electrical signals to a semiconductor device for comparing output signals against expected values to complete the entire testing process. The IC testing is performed to identify the working of a device on its design specifications. IC testing allows manufacturers greater flexibility and enables them to easily react to rapidly changing product requirements, which increases its demand and fuels its automated test equipment market share.

ADVANTEST CORPORATION, Anritsu, Astronics Corporation, Averna, Chroma ATE Inc., EXICON, NATIONAL INSTRUMENTS CORP., SPEA S.p.A, Teradyne Inc., and Test Research, Inc. are among the key automated test equipment market players that are profiled in this market study.

The overall Automated Test Equipment Market size has been derived using both primary and secondary sources. Exhaustive secondary research has been conducted using internal and external sources to obtain qualitative and quantitative information related to the Automated Test Equipment Market size. The process also helps obtain an overview and forecast of the market with respect to all the market segments. Also, multiple primary interviews have been conducted with industry participants to validate the data and gain analytical insights. This process includes industry experts such as VPs, business development managers, market intelligence managers, and national sales managers, along with external consultants such as valuation experts, research analysts, and key opinion leaders, specializing in the automated test equipment market.

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