

Global Semiconductor Test and Measurement Service Market 2025 by Company, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Semiconductor Test and Measurement Service market size was valued at US\$ 4135 million in 2024 and is forecast to a readjusted size of USD 6619 million by 2031 with a CAGR of 7.0% during review period.

The global market for semiconductor was estimated at US\$ 579 billion in the year 2022, is projected to US\$ 790 billion by 2029, growing at a CAGR of 6% during the forecast period. Although some major categories are still double-digit year-over-year growth in 2022, led by Analog with 20.76%, Sensor with 16.31%, and Logic with 14.46% growth, Memory declined with 12.65% year over year. The microprocessor (MPU) and microcontroller (MCU) segments will experience stagnant growth due to weak shipments and investment in notebooks, computers, and standard desktops. In the current market scenario, the growing popularity of IoT-based electronics is stimulating the need for powerful processors and controllers. Hybrid MPUs and MCUs provide real-time embedded processing and control for the topmost IoT-based applications, resulting in significant market growth. The Analog IC segment is expected to grow gradually, while demand from the networking and communications industries is limited. Few of the emerging trends in the growing demand for Analog integrated circuits include signal conversion, automotive-specific Analog applications, and power management. They drive the growing demand for discrete power devices.

This report is a detailed and comprehensive analysis for global Semiconductor Test and Measurement Service market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as

well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Semiconductor Test and Measurement Service market size and forecasts, in consumption value (\$ Million), 2020-2031

Global Semiconductor Test and Measurement Service market size and forecasts by region and country, in consumption value (\$ Million), 2020-2031

Global Semiconductor Test and Measurement Service market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2020-2031

Global Semiconductor Test and Measurement Service market shares of main players, in revenue (\$ Million), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Semiconductor Test and Measurement Service

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Semiconductor Test and Measurement Service market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include KLA Corporation, Advantest, Teradyne, Agilent Technologies, Schlumberger, LTX, GenRad, Tektronix, Credence Systems, National Instruments, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market segmentation

Semiconductor Test and Measurement Service market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Front-end Engineering Testing

Wafer Probing

Logic Final Test

System-in-package (Module)

Others

Market segment by Application

Consumer Electronics

Automotive Electronics

IT and Communication Industry

Others

Market segment by players, this report covers

KLA Corporation

Advantest

Teradyne

Agilent Technologies

Schlumberger

LTX

GenRad

Tektronix

Credence Systems

National Instruments

Boonton Electronics Corporation

Cohu

UNITES Systems as

Bluetest

ASE Group

Amkor Technology

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Semiconductor Test and Measurement Service product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Semiconductor Test and Measurement Service, with revenue, gross margin, and global market share of Semiconductor Test and Measurement Service from 2020 to 2025.

Chapter 3, the Semiconductor Test and Measurement Service competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2020 to 2031

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2020 to 2025. and Semiconductor Test and Measurement Service market forecast, by regions, by Type and by Application, with consumption value, from 2026 to 2031.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Semiconductor Test and Measurement Service.

Chapter 13, to describe Semiconductor Test and Measurement Service research findings and conclusion.

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