

# Global General-purpose Semiconductor Automatic Test Equipment Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global General-purpose Semiconductor Automatic Test Equipment market size was valued at US\$ 6073 million in 2024 and is forecast to a readjusted size of USD 9734 million by 2031 with a CAGR of 7.1% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Universal semiconductor automatic test equipment is a high-end semiconductor equipment that integrates high-precision, high-performance test and measurement functions. It can support the testing needs of various semiconductor devices, including digital chips, analog chips, mixed signal chips, etc. It uses automated testing processes to test semiconductor devices in terms of function, performance, reliability, etc. to ensure that the devices meet design requirements.

The core manufacturers of global semiconductor automatic test equipment include Advantest, Teradyne, Cohu, Tokyo Seimitsu, Hangzhou Changchuan Technology and TEL, etc. The top five manufacturers account for approximately 81% of the global share. Asia is the world's largest market, accounting for nearly 82% of the market share.

In terms of product type, non-memory ATE occupies a dominant position, accounting for 79% of the market share. At the same time, in terms of applications, consumer is the largest application field, accounting for 24%.

This report is a detailed and comprehensive analysis for global General-purpose Semiconductor Automatic Test Equipment market. Both quantitative and qualitative analyses are presented by manufacturers, 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 General-purpose Semiconductor Automatic Test Equipment market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2020-2031

Global General-purpose Semiconductor Automatic Test Equipment market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2020-2031

Global General-purpose Semiconductor Automatic Test Equipment market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2020-2031

Global General-purpose Semiconductor Automatic Test Equipment market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K US\$/Unit), 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 General-purpose Semiconductor Automatic Test Equipment
- 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 General-purpose Semiconductor Automatic Test Equipment market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Advantest,

Teradyne, Cohu, Tokyo Seimitsu, Hangzhou Changchuan Technology, TEL, Beijing Huafeng Test & Control Technology, Hon Precision, Chroma, SPEA, etc.

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

## Market Segmentation

General-purpose Semiconductor Automatic Test Equipment 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 in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Design Verification Tester

Wafer Tester

Packaging and Testing Machine

### Market segment by Application

Automotive

Consumer Electronic

Defense

IT& Telecommunications

Others

### Major players covered

Advantest

Teradyne

Cohu

Tokyo Seimitsu

Hangzhou Changchuan Technology

TEL

Beijing Huafeng Test & Control Technology

Hon Precision

Chroma

SPEA

Macrotest

Shibasoku

PowerTECH

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 General-purpose Semiconductor Automatic Test Equipment product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of General-purpose Semiconductor Automatic Test Equipment, with price, sales quantity, revenue, and global market share of General-purpose Semiconductor Automatic Test Equipment from 2020 to 2025.

Chapter 3, the General-purpose Semiconductor Automatic Test Equipment competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the General-purpose Semiconductor Automatic Test Equipment breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and General-purpose Semiconductor Automatic Test Equipment market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 General-purpose Semiconductor Automatic Test Equipment.

Chapter 14 and 15, to describe General-purpose Semiconductor Automatic Test Equipment sales channel, distributors, customers, research findings and conclusion.

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