

Global Semiconductor Automated Test Equipment (ATE) Market Analysis and Forecast 2024-2030

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Abstracts

Summary

Semiconductor Test Equipment consists of a variety of instruments or cards for testing memory, digital, and mixed-signal at the wafer and Packaged stages, and single-chip system (SoC) components that are also in the wafer and Packaged stages. (Note: Advantest completes the acquisition of Semiconductor System Level Test Business from Astronics Corporation at 2019. We separately counted the data of the two companies in the report from 2018 to 2020)

According to APO Research, The global Semiconductor Automated Test Equipment (ATE) market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

The US & Canada market for Semiconductor Automated Test Equipment (ATE) is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Asia-Pacific market for Semiconductor Automated Test Equipment (ATE) is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The China market for Semiconductor Automated Test Equipment (ATE) is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Europe market for Semiconductor Automated Test Equipment (ATE) is estimated to

increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The major global manufacturers of Semiconductor Automated Test Equipment (ATE) include Teradyne, Advantest, LTX-Credence, Cohu, Chroma, SPEA, Averta, Shibasoku and ChangChuan, etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

In terms of production side, this report researches the Semiconductor Automated Test Equipment (ATE) production, growth rate, market share by manufacturers and by region (region level and country level), from 2019 to 2024, and forecast to 2030.

In terms of consumption side, this report focuses on the sales of Semiconductor Automated Test Equipment (ATE) by region (region level and country level), by Company, by Type and by Application. from 2019 to 2024 and forecast to 2030.

This report presents an overview of global market for Semiconductor Automated Test Equipment (ATE), capacity, output, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Semiconductor Automated Test Equipment (ATE), also provides the consumption of main regions and countries. Of the upcoming market potential for Semiconductor Automated Test Equipment (ATE), and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Semiconductor Automated Test Equipment (ATE) sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Semiconductor Automated Test Equipment (ATE) market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by Type and by Application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for

Semiconductor Automated Test Equipment (ATE) sales, projected growth trends, production technology, application and end-user industry.

Semiconductor Automated Test Equipment (ATE) segment by Company

Teradyne

Advantest

LTX-Credence

Cohu

Chroma

SPEA

Averna

Shibasoku

ChangChuan

Macrotest

Huafeng

Semiconductor Automated Test Equipment (ATE) segment by Type

Wafer ATE

Packaged Device ATE

Semiconductor Automated Test Equipment (ATE) segment by Application

Automotive Electronics

Consumer Electronics

Communications

Computer

Industrial(medical)

Military(Aviation)

Semiconductor Automated Test Equipment (ATE) segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Study Objectives

1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.

4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify significant trends, drivers, influence factors in global and regions.
6. To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Semiconductor Automated Test Equipment (ATE) market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Semiconductor Automated Test Equipment (ATE) and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market.
5. This report helps stakeholders to gain insights into which regions to target globally.
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Semiconductor Automated Test Equipment (ATE).
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Introduces the report scope of the report, executive summary of different market segments (by type and by application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 2: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 3: Semiconductor Automated Test Equipment (ATE) production/output of global and key producers (regions/countries). It provides a quantitative analysis of the production, and development potential of each producer in the next six years.

Chapter 4: Sales (consumption), revenue of Semiconductor Automated Test Equipment (ATE) in global, regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space of each country in the world.

Chapter 5: Detailed analysis of Semiconductor Automated Test Equipment (ATE) manufacturers competitive landscape, price, sales, revenue, market share and industry ranking, latest development plan, merger, and acquisition information, etc.

Chapter 6: Provides the analysis of various market segments by type, covering the sales, revenue, average price, and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7: Provides the analysis of various market segments by application, covering the sales, revenue, average price, and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8: Provides profiles of key manufacturers, introducing the basic situation of the main companies in the market in detail, including product descriptions and specifications, Semiconductor Automated Test Equipment (ATE) sales, revenue, price, gross margin, and recent development, etc.

Chapter 9: North America (US & Canada) by type, by application and by country, sales, and revenue for each segment.

Chapter 10: Europe by type, by application and by country, sales, and revenue for each segment.

Chapter 11: China by type, by application, sales, and revenue for each segment.

Chapter 12: Asia (Excluding China) by type, by application and by region, sales, and revenue for each segment.

Chapter 13: Middle East, Africa, Latin America by type, by application and by country, sales, and revenue for each segment.

Chapter 14: Analysis of industrial chain, sales channel, key raw materials, distributors and customers.

Chapter 15: The main concluding insights of the report.

Contents

1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Semiconductor Automated Test Equipment (ATE) Market by Type
 - 1.2.1 Global Semiconductor Automated Test Equipment (ATE) Market Size by Type, 2019 VS 2023 VS 2030
 - 1.2.2 Wafer ATE
 - 1.2.3 Packaged Device ATE
- 1.3 Semiconductor Automated Test Equipment (ATE) Market by Application
 - 1.3.1 Global Semiconductor Automated Test Equipment (ATE) Market Size by Application, 2019 VS 2023 VS 2030
 - 1.3.2 Automotive Electronics
 - 1.3.3 Consumer Electronics
 - 1.3.4 Communications
 - 1.3.5 Computer
 - 1.3.6 Industrial(medical)
 - 1.3.7 Military(Aviation)
- 1.4 Assumptions and Limitations
- 1.5 Study Goals and Objectives

2 SEMICONDUCTOR AUTOMATED TEST EQUIPMENT (ATE) MARKET DYNAMICS

- 2.1 Semiconductor Automated Test Equipment (ATE) Industry Trends
- 2.2 Semiconductor Automated Test Equipment (ATE) Industry Drivers
- 2.3 Semiconductor Automated Test Equipment (ATE) Industry Opportunities and Challenges
- 2.4 Semiconductor Automated Test Equipment (ATE) Industry Restraints

3 GLOBAL SEMICONDUCTOR AUTOMATED TEST EQUIPMENT (ATE) PRODUCTION OVERVIEW

- 3.1 Global Semiconductor Automated Test Equipment (ATE) Production Capacity (2019-2030)
- 3.2 Global Semiconductor Automated Test Equipment (ATE) Production by Region: 2019 VS 2023 VS 2030
- 3.3 Global Semiconductor Automated Test Equipment (ATE) Production by Region
 - 3.3.1 Global Semiconductor Automated Test Equipment (ATE) Production by Region

(2019-2024)

3.3.2 Global Semiconductor Automated Test Equipment (ATE) Production by Region (2025-2030)

3.3.3 Global Semiconductor Automated Test Equipment (ATE) Production Market Share by Region (2019-2030)

3.4 North America

3.5 Europe

3.6 China

3.7 Japan

3.8 China Taiwan

4 GLOBAL MARKET GROWTH PROSPECTS

4.1 Global Semiconductor Automated Test Equipment (ATE) Revenue Estimates and Forecasts (2019-2030)

4.2 Global Semiconductor Automated Test Equipment (ATE) Revenue by Region

4.2.1 Global Semiconductor Automated Test Equipment (ATE) Revenue by Region: 2019 VS 2023 VS 2030

4.2.2 Global Semiconductor Automated Test Equipment (ATE) Revenue by Region (2019-2024)

4.2.3 Global Semiconductor Automated Test Equipment (ATE) Revenue by Region (2025-2030)

4.2.4 Global Semiconductor Automated Test Equipment (ATE) Revenue Market Share by Region (2019-2030)

4.3 Global Semiconductor Automated Test Equipment (ATE) Sales Estimates and Forecasts 2019-2030

4.4 Global Semiconductor Automated Test Equipment (ATE) Sales by Region

4.4.1 Global Semiconductor Automated Test Equipment (ATE) Sales by Region: 2019 VS 2023 VS 2030

4.4.2 Global Semiconductor Automated Test Equipment (ATE) Sales by Region (2019-2024)

4.4.3 Global Semiconductor Automated Test Equipment (ATE) Sales by Region (2025-2030)

4.4.4 Global Semiconductor Automated Test Equipment (ATE) Sales Market Share by Region (2019-2030)

4.5 US & Canada

4.6 Europe

4.7 China

4.8 Asia (Excluding China)

4.9 Middle East, Africa and Latin America

5 MARKET COMPETITIVE LANDSCAPE BY MANUFACTURERS

5.1 Global Semiconductor Automated Test Equipment (ATE) Revenue by Manufacturers

5.1.1 Global Semiconductor Automated Test Equipment (ATE) Revenue by Manufacturers (2019-2024)

5.1.2 Global Semiconductor Automated Test Equipment (ATE) Revenue Market Share by Manufacturers (2019-2024)

5.1.3 Global Semiconductor Automated Test Equipment (ATE) Manufacturers Revenue Share Top 10 and Top 5 in 2023

5.2 Global Semiconductor Automated Test Equipment (ATE) Sales by Manufacturers

5.2.1 Global Semiconductor Automated Test Equipment (ATE) Sales by Manufacturers (2019-2024)

5.2.2 Global Semiconductor Automated Test Equipment (ATE) Sales Market Share by Manufacturers (2019-2024)

5.2.3 Global Semiconductor Automated Test Equipment (ATE) Manufacturers Sales Share Top 10 and Top 5 in 2023

5.3 Global Semiconductor Automated Test Equipment (ATE) Sales Price by Manufacturers (2019-2024)

5.4 Global Semiconductor Automated Test Equipment (ATE) Key Manufacturers Ranking, 2022 VS 2023 VS 2024

5.5 Global Semiconductor Automated Test Equipment (ATE) Key Manufacturers Manufacturing Sites & Headquarters

5.6 Global Semiconductor Automated Test Equipment (ATE) Manufacturers, Product Type & Application

5.7 Global Semiconductor Automated Test Equipment (ATE) Manufacturers Commercialization Time

5.8 Market Competitive Analysis

5.8.1 Global Semiconductor Automated Test Equipment (ATE) Market CR5 and HHI

5.8.2 2023 Semiconductor Automated Test Equipment (ATE) Tier 1, Tier 2, and Tier

6 SEMICONDUCTOR AUTOMATED TEST EQUIPMENT (ATE) MARKET BY TYPE

6.1 Global Semiconductor Automated Test Equipment (ATE) Revenue by Type

6.1.1 Global Semiconductor Automated Test Equipment (ATE) Revenue by Type (2019 VS 2023 VS 2030)

6.1.2 Global Semiconductor Automated Test Equipment (ATE) Revenue by Type

(2019-2030) & (US\$ Million)

6.1.3 Global Semiconductor Automated Test Equipment (ATE) Revenue Market Share by Type (2019-2030)

6.2 Global Semiconductor Automated Test Equipment (ATE) Sales by Type

6.2.1 Global Semiconductor Automated Test Equipment (ATE) Sales by Type (2019 VS 2023 VS 2030)

6.2.2 Global Semiconductor Automated Test Equipment (ATE) Sales by Type (2019-2030) & (Units)

6.2.3 Global Semiconductor Automated Test Equipment (ATE) Sales Market Share by Type (2019-2030)

6.3 Global Semiconductor Automated Test Equipment (ATE) Price by Type

7 SEMICONDUCTOR AUTOMATED TEST EQUIPMENT (ATE) MARKET BY APPLICATION

7.1 Global Semiconductor Automated Test Equipment (ATE) Revenue by Application

7.1.1 Global Semiconductor Automated Test Equipment (ATE) Revenue by Application (2019 VS 2023 VS 2030)

7.1.2 Global Semiconductor Automated Test Equipment (ATE) Revenue by Application (2019-2030) & (US\$ Million)

7.1.3 Global Semiconductor Automated Test Equipment (ATE) Revenue Market Share by Application (2019-2030)

7.2 Global Semiconductor Automated Test Equipment (ATE) Sales by Application

7.2.1 Global Semiconductor Automated Test Equipment (ATE) Sales by Application (2019 VS 2023 VS 2030)

7.2.2 Global Semiconductor Automated Test Equipment (ATE) Sales by Application (2019-2030) & (Units)

7.2.3 Global Semiconductor Automated Test Equipment (ATE) Sales Market Share by Application (2019-2030)

7.3 Global Semiconductor Automated Test Equipment (ATE) Price by Application

8 COMPANY PROFILES

8.1 Teradyne

8.1.1 Teradyne Company Information

8.1.2 Teradyne Business Overview

8.1.3 Teradyne Semiconductor Automated Test Equipment (ATE) Sales, Revenue, Price and Gross Margin (2019-2024)

8.1.4 Teradyne Semiconductor Automated Test Equipment (ATE) Product Portfolio

- 8.1.5 Teradyne Recent Developments
- 8.2 Advantest
 - 8.2.1 Advantest Company Information
 - 8.2.2 Advantest Business Overview
 - 8.2.3 Advantest Semiconductor Automated Test Equipment (ATE) Sales, Revenue, Price and Gross Margin (2019-2024)
 - 8.2.4 Advantest Semiconductor Automated Test Equipment (ATE) Product Portfolio
 - 8.2.5 Advantest Recent Developments
- 8.3 LTX-Credence
 - 8.3.1 LTX-Credence Company Information
 - 8.3.2 LTX-Credence Business Overview
 - 8.3.3 LTX-Credence Semiconductor Automated Test Equipment (ATE) Sales, Revenue, Price and Gross Margin (2019-2024)
 - 8.3.4 LTX-Credence Semiconductor Automated Test Equipment (ATE) Product Portfolio
 - 8.3.5 LTX-Credence Recent Developments
- 8.4 Cohu
 - 8.4.1 Cohu Company Information
 - 8.4.2 Cohu Business Overview
 - 8.4.3 Cohu Semiconductor Automated Test Equipment (ATE) Sales, Revenue, Price and Gross Margin (2019-2024)
 - 8.4.4 Cohu Semiconductor Automated Test Equipment (ATE) Product Portfolio
 - 8.4.5 Cohu Recent Developments
- 8.5 Chroma
 - 8.5.1 Chroma Company Information
 - 8.5.2 Chroma Business Overview
 - 8.5.3 Chroma Semiconductor Automated Test Equipment (ATE) Sales, Revenue, Price and Gross Margin (2019-2024)
 - 8.5.4 Chroma Semiconductor Automated Test Equipment (ATE) Product Portfolio
 - 8.5.5 Chroma Recent Developments
- 8.6 SPEA
 - 8.6.1 SPEA Company Information
 - 8.6.2 SPEA Business Overview
 - 8.6.3 SPEA Semiconductor Automated Test Equipment (ATE) Sales, Revenue, Price and Gross Margin (2019-2024)
 - 8.6.4 SPEA Semiconductor Automated Test Equipment (ATE) Product Portfolio
 - 8.6.5 SPEA Recent Developments
- 8.7 Avera
 - 8.7.1 Avera Company Information

8.7.2 Avera Business Overview

8.7.3 Avera Semiconductor Automated Test Equipment (ATE) Sales, Revenue, Price and Gross Margin (2019-2024)

8.7.4 Avera Semiconductor Automated Test Equipment (ATE) Product Portfolio

8.7.5 Avera Recent Developments

8.8 Shibasoku

8.8.1 Shibasoku Company Information

8.8.2 Shibasoku Business Overview

8.8.3 Shibasoku Semiconductor Automated Test Equipment (ATE) Sales, Revenue, Price and Gross Margin (2019-2024)

8.8.4 Shibasoku Semiconductor Automated Test Equipment (ATE) Product Portfolio

8.8.5 Shibasoku Recent Developments

8.9 ChangChuan

8.9.1 ChangChuan Company Information

8.9.2 ChangChuan Business Overview

8.9.3 ChangChuan Semiconductor Automated Test Equipment (ATE) Sales, Revenue, Price and Gross Margin (2019-2024)

8.9.4 ChangChuan Semiconductor Automated Test Equipment (ATE) Product Portfolio

8.9.5 ChangChuan Recent Developments

8.10 Macrotest

8.10.1 Macrotest Company Information

8.10.2 Macrotest Business Overview

8.10.3 Macrotest Semiconductor Automated Test Equipment (ATE) Sales, Revenue, Price and Gross Margin (2019-2024)

8.10.4 Macrotest Semiconductor Automated Test Equipment (ATE) Product Portfolio

8.10.5 Macrotest Recent Developments

8.11 Huafeng

8.11.1 Huafeng Company Information

8.11.2 Huafeng Business Overview

8.11.3 Huafeng Semiconductor Automated Test Equipment (ATE) Sales, Revenue, Price and Gross Margin (2019-2024)

8.11.4 Huafeng Semiconductor Automated Test Equipment (ATE) Product Portfolio

8.11.5 Huafeng Recent Developments

9 NORTH AMERICA

9.1 North America Semiconductor Automated Test Equipment (ATE) Market Size by Type

9.1.1 North America Semiconductor Automated Test Equipment (ATE) Revenue by

Type (2019-2030)

9.1.2 North America Semiconductor Automated Test Equipment (ATE) Sales by Type (2019-2030)

9.1.3 North America Semiconductor Automated Test Equipment (ATE) Price by Type (2019-2030)

9.2 North America Semiconductor Automated Test Equipment (ATE) Market Size by Application

9.2.1 North America Semiconductor Automated Test Equipment (ATE) Revenue by Application (2019-2030)

9.2.2 North America Semiconductor Automated Test Equipment (ATE) Sales by Application (2019-2030)

9.2.3 North America Semiconductor Automated Test Equipment (ATE) Price by Application (2019-2030)

9.3 North America Semiconductor Automated Test Equipment (ATE) Market Size by Country

9.3.1 North America Semiconductor Automated Test Equipment (ATE) Revenue Growth Rate by Country (2019 VS 2023 VS 2030)

9.3.2 North America Semiconductor Automated Test Equipment (ATE) Sales by Country (2019 VS 2023 VS 2030)

9.3.3 North America Semiconductor Automated Test Equipment (ATE) Price by Country (2019-2030)

9.3.4 U.S.

9.3.5 Canada

10 EUROPE

10.1 Europe Semiconductor Automated Test Equipment (ATE) Market Size by Type

10.1.1 Europe Semiconductor Automated Test Equipment (ATE) Revenue by Type (2019-2030)

10.1.2 Europe Semiconductor Automated Test Equipment (ATE) Sales by Type (2019-2030)

10.1.3 Europe Semiconductor Automated Test Equipment (ATE) Price by Type (2019-2030)

10.2 Europe Semiconductor Automated Test Equipment (ATE) Market Size by Application

10.2.1 Europe Semiconductor Automated Test Equipment (ATE) Revenue by Application (2019-2030)

10.2.2 Europe Semiconductor Automated Test Equipment (ATE) Sales by Application (2019-2030)

10.2.3 Europe Semiconductor Automated Test Equipment (ATE) Price by Application (2019-2030)

10.3 Europe Semiconductor Automated Test Equipment (ATE) Market Size by Country

10.3.1 Europe Semiconductor Automated Test Equipment (ATE) Revenue Grow Rate by Country (2019 VS 2023 VS 2030)

10.3.2 Europe Semiconductor Automated Test Equipment (ATE) Sales by Country (2019 VS 2023 VS 2030)

10.3.3 Europe Semiconductor Automated Test Equipment (ATE) Price by Country (2019-2030)

10.3.4 Germany

10.3.5 France

10.3.6 U.K.

10.3.7 Italy

10.3.8 Russia

11 CHINA

11.1 China Semiconductor Automated Test Equipment (ATE) Market Size by Type

11.1.1 China Semiconductor Automated Test Equipment (ATE) Revenue by Type (2019-2030)

11.1.2 China Semiconductor Automated Test Equipment (ATE) Sales by Type (2019-2030)

11.1.3 China Semiconductor Automated Test Equipment (ATE) Price by Type (2019-2030)

11.2 China Semiconductor Automated Test Equipment (ATE) Market Size by Application

11.2.1 China Semiconductor Automated Test Equipment (ATE) Revenue by Application (2019-2030)

11.2.2 China Semiconductor Automated Test Equipment (ATE) Sales by Application (2019-2030)

11.2.3 China Semiconductor Automated Test Equipment (ATE) Price by Application (2019-2030)

12 ASIA (EXCLUDING CHINA)

12.1 Asia Semiconductor Automated Test Equipment (ATE) Market Size by Type

12.1.1 Asia Semiconductor Automated Test Equipment (ATE) Revenue by Type (2019-2030)

12.1.2 Asia Semiconductor Automated Test Equipment (ATE) Sales by Type

(2019-2030)

12.1.3 Asia Semiconductor Automated Test Equipment (ATE) Price by Type

(2019-2030)

12.2 Asia Semiconductor Automated Test Equipment (ATE) Market Size by Application

12.2.1 Asia Semiconductor Automated Test Equipment (ATE) Revenue by Application

(2019-2030)

12.2.2 Asia Semiconductor Automated Test Equipment (ATE) Sales by Application

(2019-2030)

12.2.3 Asia Semiconductor Automated Test Equipment (ATE) Price by Application

(2019-2030)

12.3 Asia Semiconductor Automated Test Equipment (ATE) Market Size by Country

12.3.1 Asia Semiconductor Automated Test Equipment (ATE) Revenue Grow Rate by

Country (2019 VS 2023 VS 2030)

12.3.2 Asia Semiconductor Automated Test Equipment (ATE) Sales by Country (2019 VS 2023 VS 2030)

12.3.3 Asia Semiconductor Automated Test Equipment (ATE) Price by Country (2019-2030)

12.3.4 Japan

12.3.5 South Korea

12.3.6 India

12.3.7 Australia

12.3.8 China Taiwan

12.3.9 Southeast Asia

13 MIDDLE EAST, AFRICA AND LATIN AMERICA

13.1 Middle East, Africa and Latin America Semiconductor Automated Test Equipment (ATE) Market Size by Type

13.1.1 Middle East, Africa and Latin America Semiconductor Automated Test Equipment (ATE) Revenue by Type (2019-2030)

13.1.2 Middle East, Africa and Latin America Semiconductor Automated Test Equipment (ATE) Sales by Type (2019-2030)

13.1.3 Middle East, Africa and Latin America Semiconductor Automated Test Equipment (ATE) Price by Type (2019-2030)

13.2 Middle East, Africa and Latin America Semiconductor Automated Test Equipment (ATE) Market Size by Application

13.2.1 Middle East, Africa and Latin America Semiconductor Automated Test Equipment (ATE) Revenue by Application (2019-2030)

13.2.2 Middle East, Africa and Latin America Semiconductor Automated Test

Equipment (ATE) Sales by Application (2019-2030)

13.2.3 Middle East, Africa and Latin America Semiconductor Automated Test

Equipment (ATE) Price by Application (2019-2030)

13.3 Middle East, Africa and Latin America Semiconductor Automated Test Equipment (ATE) Market Size by Country

13.3.1 Middle East, Africa and Latin America Semiconductor Automated Test Equipment (ATE) Revenue Grow Rate by Country (2019 VS 2023 VS 2030)

13.3.2 Middle East, Africa and Latin America Semiconductor Automated Test Equipment (ATE) Sales by Country (2019 VS 2023 VS 2030)

13.3.3 Middle East, Africa and Latin America Semiconductor Automated Test Equipment (ATE) Price by Country (2019-2030)

13.3.4 Mexico

13.3.5 Brazil

13.3.6 Israel

13.3.7 Argentina

13.3.8 Colombia

13.3.9 Turkey

13.3.10 Saudi Arabia

13.3.11 UAE

14 VALUE CHAIN AND SALES CHANNELS ANALYSIS

14.1 Semiconductor Automated Test Equipment (ATE) Value Chain Analysis

14.1.1 Semiconductor Automated Test Equipment (ATE) Key Raw Materials

14.1.2 Raw Materials Key Suppliers

14.1.3 Manufacturing Cost Structure

14.1.4 Semiconductor Automated Test Equipment (ATE) Production Mode & Process

14.2 Semiconductor Automated Test Equipment (ATE) Sales Channels Analysis

14.2.1 Direct Comparison with Distribution Share

14.2.2 Semiconductor Automated Test Equipment (ATE) Distributors

14.2.3 Semiconductor Automated Test Equipment (ATE) Customers

15 CONCLUDING INSIGHTS

16 APPENDIX

16.1 Reasons for Doing This Study

16.2 Research Methodology

16.3 Research Process

16.4 Authors List of This Report

16.5 Data Source

16.5.1 Secondary Sources

16.5.2 Primary Sources

16.6 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. Global Semiconductor Automated Test Equipment (ATE) Market Size Growth Rate by Type (US\$ Million), 2019 VS 2023 VS 2030
- Table 2. Global Semiconductor Automated Test Equipment (ATE) Market Size Growth Rate by Type (US\$ Million), 2019 VS 2023 VS 2030
- Table 3. Wafer ATE Major Manufacturers
- Table 4. Packaged Device ATE Major Manufacturers
- Table 5. Global Semiconductor Automated Test Equipment (ATE) Market Size Growth Rate by Application (US\$ Million), 2019 VS 2023 VS 2030
- Table 6. Automotive Electronics Major Manufacturers
- Table 7. Consumer Electronics Major Manufacturers
- Table 8. Communications Major Manufacturers
- Table 9. Computer Major Manufacturers
- Table 10. Industrial(medical) Major Manufacturers
- Table 11. Military(Aviation) Major Manufacturers
- Table 12. Semiconductor Automated Test Equipment (ATE) Industry Trends
- Table 13. Semiconductor Automated Test Equipment (ATE) Industry Drivers
- Table 14. Semiconductor Automated Test Equipment (ATE) Industry Opportunities and Challenges
- Table 15. Semiconductor Automated Test Equipment (ATE) Industry Restraints
- Table 16. Global Semiconductor Automated Test Equipment (ATE) Production Growth Rate (CAGR) by Region: 2019 VS 2023 VS 2030 (Units)
- Table 17. Global Semiconductor Automated Test Equipment (ATE) Production by Region (2019-2024) & (Units)
- Table 18. Global Semiconductor Automated Test Equipment (ATE) Production by Region (2025-2030) & (Units)
- Table 19. Global Semiconductor Automated Test Equipment (ATE) Production Market Share by Region (2019-2024)
- Table 20. Global Semiconductor Automated Test Equipment (ATE) Production Market Share by Region (2025-2030)
- Table 21. Global Semiconductor Automated Test Equipment (ATE) Revenue Grow Rate (CAGR) by Region: 2019 VS 2023 VS 2030 (US\$ Million)
- Table 22. Global Semiconductor Automated Test Equipment (ATE) Revenue by Region (2019-2024) & (US\$ Million)
- Table 23. Global Semiconductor Automated Test Equipment (ATE) Revenue by Region (2025-2030) & (US\$ Million)

Table 24. Global Semiconductor Automated Test Equipment (ATE) Revenue Market Share by Region (2019-2024)

Table 25. Global Semiconductor Automated Test Equipment (ATE) Revenue Market Share by Region (2025-2030)

Table 26. Global Semiconductor Automated Test Equipment (ATE) Sales Growth Rate (CAGR) by Region: 2019 VS 2023 VS 2030 (Units)

Table 27. Global Semiconductor Automated Test Equipment (ATE) Sales by Region (2019-2024) & (Units)

Table 28. Global Semiconductor Automated Test Equipment (ATE) Sales by Region (2025-2030) & (Units)

Table 29. Global Semiconductor Automated Test Equipment (ATE) Sales Market Share by Region (2019-2024)

Table 30. Global Semiconductor Automated Test Equipment (ATE) Sales Market Share by Region (2025-2030)

Table 31. Global Semiconductor Automated Test Equipment (ATE) Revenue by Manufacturers (US\$ Million) & (2019-2024)

Table 32. Global Semiconductor Automated Test Equipment (ATE) Revenue Market Share by Manufacturers (2019-2024)

Table 33. Global Semiconductor Automated Test Equipment (ATE) Sales by Manufacturers (US\$ Million) & (2019-2024)

Table 34. Global Semiconductor Automated Test Equipment (ATE) Sales Market Share by Manufacturers (2019-2024)

Table 35. Global Semiconductor Automated Test Equipment (ATE) Sales Price (US\$/Unit) of Manufacturers (2019-2024)

Table 36. Global Semiconductor Automated Test Equipment (ATE) Key Manufacturers Ranking, 2022 VS 2023 VS 2024

Table 37. Global Semiconductor Automated Test Equipment (ATE) Key Manufacturers Manufacturing Sites & Headquarters

Table 38. Global Semiconductor Automated Test Equipment (ATE) Manufacturers, Product Type & Application

Table 39. Global Semiconductor Automated Test Equipment (ATE) Manufacturers Commercialization Time

Table 40. Global Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 41. Global Semiconductor Automated Test Equipment (ATE) by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue of 2023)

Table 42. Global Semiconductor Automated Test Equipment (ATE) Revenue by Type 2019 VS 2023 VS 2030 (US\$ Million)

Table 43. Global Semiconductor Automated Test Equipment (ATE) Revenue by Type (2019-2024) & (US\$ Million)

Table 44. Global Semiconductor Automated Test Equipment (ATE) Revenue by Type (2025-2030) & (US\$ Million)

Table 45. Global Semiconductor Automated Test Equipment (ATE) Revenue Market Share by Type (2019-2024)

Table 46. Global Semiconductor Automated Test Equipment (ATE) Revenue Market Share by Type (2025-2030)

Table 47. Global Semiconductor Automated Test Equipment (ATE) Sales by Type 2019 VS 2023 VS 2030 (Units)

Table 48. Global Semiconductor Automated Test Equipment (ATE) Sales by Type (2019-2024) & (Units)

Table 49. Global Semiconductor Automated Test Equipment (ATE) Sales by Type (2025-2030) & (Units)

Table 50. Global Semiconductor Automated Test Equipment (ATE) Sales Market Share by Type (2019-2024)

Table 51. Global Semiconductor Automated Test Equipment (ATE) Sales Market Share by Type (2025-2030)

Table 52. Global Semiconductor Automated Test Equipment (ATE) Price by Type (2019-2024) & (US\$/Unit)

Table 53. Global Semiconductor Automated Test Equipment (ATE) Price by Type (2025-2030) & (US\$/Unit)

Table 54. Global Semiconductor Automated Test Equipment (ATE) Revenue by Application 2019 VS 2023 VS 2030 (US\$ Million)

Table 55. Global Semiconductor Automated Test Equipment (ATE) Revenue by Application (2019-2024) & (US\$ Million)

Table 56. Global Semiconductor Automated Test Equipment (ATE) Revenue by Application (2025-2030) & (US\$ Million)

Table 57. Global Semiconductor Automated Test Equipment (ATE) Revenue Market Share by Application (2019-2024)

Table 58. Global Semiconductor Automated Test Equipment (ATE) Revenue Market Share by Application (2025-2030)

Table 59. Global Semiconductor Automated Test Equipment (ATE) Sales by Application 2019 VS 2023 VS 2030 (Units)

Table 60. Global Semiconductor Automated Test Equipment (ATE) Sales by Application (2019-2024) & (Units)

Table 61. Global Semiconductor Automated Test Equipment (ATE) Sales by Application (2025-2030) & (Units)

Table 62. Global Semiconductor Automated Test Equipment (ATE) Sales Market Share by Application (2019-2024)

Table 63. Global Semiconductor Automated Test Equipment (ATE) Sales Market Share

by Application (2025-2030)

Table 64. Global Semiconductor Automated Test Equipment (ATE) Price by Application (2019-2024) & (US\$/Unit)

Table 65. Global Semiconductor Automated Test Equipment (ATE) Price by Application (2025-2030) & (US\$/Unit)

Table 66. Teradyne Company Information

Table 67. Teradyne Business Overview

Table 68. Teradyne Semiconductor Automated Test Equipment (ATE) Sales (Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 69. Teradyne Semiconductor Automated Test Equipment (ATE) Product Portfolio

Table 70. Teradyne Recent Development

Table 71. Advantest Company Information

Table 72. Advantest Business Overview

Table 73. Advantest Semiconductor Automated Test Equipment (ATE) Sales (Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 74. Advantest Semiconductor Automated Test Equipment (ATE) Product Portfolio

Table 75. Advantest Recent Development

Table 76. LTX-Credence Company Information

Table 77. LTX-Credence Business Overview

Table 78. LTX-Credence Semiconductor Automated Test Equipment (ATE) Sales (Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 79. LTX-Credence Semiconductor Automated Test Equipment (ATE) Product Portfolio

Table 80. LTX-Credence Recent Development

Table 81. Cohu Company Information

Table 82. Cohu Business Overview

Table 83. Cohu Semiconductor Automated Test Equipment (ATE) Sales (Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 84. Cohu Semiconductor Automated Test Equipment (ATE) Product Portfolio

Table 85. Cohu Recent Development

Table 86. Chroma Company Information

Table 87. Chroma Business Overview

Table 88. Chroma Semiconductor Automated Test Equipment (ATE) Sales (Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 89. Chroma Semiconductor Automated Test Equipment (ATE) Product Portfolio

Table 90. Chroma Recent Development

Table 91. SPEA Company Information

Table 92. SPEA Business Overview

Table 93. SPEA Semiconductor Automated Test Equipment (ATE) Sales (Units),

Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 94. SPEA Semiconductor Automated Test Equipment (ATE) Product Portfolio

Table 95. SPEA Recent Development

Table 96. Avera Company Information

Table 97. Avera Business Overview

Table 98. Avera Semiconductor Automated Test Equipment (ATE) Sales (Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 99. Avera Semiconductor Automated Test Equipment (ATE) Product Portfolio

Table 100. Avera Recent Development

Table 101. Shibasoku Company Information

Table 102. Shibasoku Business Overview

Table 103. Shibasoku Semiconductor Automated Test Equipment (ATE) Sales (Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 104. Shibasoku Semiconductor Automated Test Equipment (ATE) Product Portfolio

Table 105. Shibasoku Recent Development

Table 106. ChangChuan Company Information

Table 107. ChangChuan Business Overview

Table 108. ChangChuan Semiconductor Automated Test Equipment (ATE) Sales (Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 109. ChangChuan Semiconductor Automated Test Equipment (ATE) Product Portfolio

Table 110. ChangChuan Recent Development

Table 111. Macrotest Company Information

Table 112. Macrotest Business Overview

Table 113. Macrotest Semiconductor Automated Test Equipment (ATE) Sales (Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 114. Macrotest Semiconductor Automated Test Equipment (ATE) Product Portfolio

Table 115. Macrotest Recent Development

Table 116. Huafeng Company Information

Table 117. Huafeng Business Overview

Table 118. Huafeng Semiconductor Automated Test Equipment (ATE) Sales (Units), Revenue (US\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 119. Huafeng Semiconductor Automated Test Equipment (ATE) Product Portfolio

Table 120. Huafeng Recent Development

Table 121. North America Semiconductor Automated Test Equipment (ATE) Revenue by Type (2019-2024) & (US\$ Million)

Table 122. North America Semiconductor Automated Test Equipment (ATE) Revenue

by Type (2025-2030) & (US\$ Million)

Table 123. North America Semiconductor Automated Test Equipment (ATE) Sales by Type (2019-2024) & (Units)

Table 124. North America Semiconductor Automated Test Equipment (ATE) Sales by Type (2025-2030) & (Units)

Table 125. North America Semiconductor Automated Test Equipment (ATE) Sales Price by Type (2019-2024) & (US\$/Unit)

Table 126. North America Semiconductor Automated Test Equipment (ATE) Sales Price by Type (2025-2030) & (US\$/Unit)

Table 127. North America Semiconductor Automated Test Equipment (ATE) Revenue by Application (2019-2024) & (US\$ Million)

Table 128. North America Semiconductor Automated Test Equipment (ATE) Revenue by Application (2025-2030) & (US\$ Million)

Table 129. North America Semiconductor Automated Test Equipment (ATE) Sales by Application (2019-2024) & (Units)

Table 130. North America Semiconductor Automated Test Equipment (ATE) Sales by Application (2025-2030) & (Units)

Table 131. North America Semiconductor Automated Test Equipment (ATE) Sales Price by Application (2019-2024) & (US\$/Unit)

Table 132. North America Semiconductor Automated Test Equipment (ATE) Sales Price by Application (2025-2030) & (US\$/Unit)

Table 133. North America Semiconductor Automated Test Equipment (ATE) Revenue Grow Rate by Country (2019 VS 2023 VS 2030) & (US\$ Million)

Table 134. North America Semiconductor Automated Test Equipment (ATE) Revenue Grow Rate by Country (2019-2024) & (US\$ Million)

Table 135. North America Semiconductor Automated Test Equipment (ATE) Revenue Grow Rate by Country (2025-2030) & (US\$ Million)

Table 136. North America Semiconductor Automated Test Equipment (ATE) Sales by Country (2019 VS 2023 VS 2030) & (Units)

Table 137. North America Semiconductor Automated Test Equipment (ATE) Sales by Country (2019-2024) & (Units)

Table 138. North America Semiconductor Automated Test Equipment (ATE) Sales by Country (2025-2030) & (Units)

Table 139. North America Semiconductor Automated Test Equipment (ATE) Sales Price by Country (2019-2024) & (US\$/Unit)

Table 140. North America Semiconductor Automated Test Equipment (ATE) Sales Price by Country (2025-2030) & (US\$/Unit)

Table 141. U.S. Semiconductor Automated Test Equipment (ATE) Revenue (2019-2030) & (US\$ Million)

Table 142. Canada Semiconductor Automated Test Equipment (ATE) Revenue (2019-2030) & (US\$ Million)

Table 143. Europe Semiconductor Automated Test Equipment (ATE) Revenue by Type (2019-2024) & (US\$ Million)

Table 144. Europe Semiconductor Automated Test Equipment (ATE) Revenue by Type (2025-2030) & (US\$ Million)

Table 145. Europe Semiconductor Automated Test Equipment (ATE) Sales by Type (2019-2024) & (Units)

Table 146. Europe Semiconductor Automated Test Equipment (ATE) Sales by Type (2025-2030) & (Units)

Table 147. Europe Semiconductor Automated Test Equipment (ATE) Sales Price by Type (2019-2024) & (US\$/Unit)

Table 148. Europe Semiconductor Automated Test Equipment (ATE) Sales Price by Type (2025-2030) & (US\$/Unit)

Table 149. Europe Semiconductor Automated Test Equipment (ATE) Revenue by Application (2019-2024) & (US\$ Million)

Table 150. Europe Semiconductor Automated Test Equipment (ATE) Revenue by Application (2025-2030) & (US\$ Million)

Table 151. Europe Semicondu

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