

Global Automated Test Equipment (ATE) 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 Automated Test Equipment (ATE) market size was valued at USD 5112.6 million in 2023 and is forecast to a readjusted size of USD 7228.7 million by 2030 with a CAGR of 5.1% during review period.

Semiconductor automated test equipment (ATE) 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.

The main Automated Test Equipment (ATE) players include Teradyne, Advantest, LTX-Credence, Cohu, etc. The top four Automated Test Equipment (ATE) players account for approximately 88% of the total global market. Asia-Pacific is the largest consumer market for Automated Test Equipment (ATE) accounting for about 80%, followed by North America and Europe. In terms of Type, Wafer ATE is the largest segment, with a share about 58%. And in terms of Application, the largest application is Computer, followed by Communications.

The Global Info Research report includes an overview of the development of the Automated Test Equipment (ATE) industry chain, the market status of Packaging and Testing & Wafer Foundry (Wafer Testing, Package Testing), IDM (Wafer Testing, Package Testing), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Automated Test Equipment (ATE).



Regionally, the report analyzes the Automated Test Equipment (ATE) 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 Automated Test Equipment (ATE) market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Automated Test Equipment (ATE) 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 Automated Test Equipment (ATE) 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 (Units), revenue generated, and market share of different by Type (e.g., Wafer Testing, Package Testing).

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 Automated Test Equipment (ATE) market.

Regional Analysis: The report involves examining the Automated Test Equipment (ATE) 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 Automated Test Equipment (ATE) market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Automated Test Equipment (ATE):

Company Analysis: Report covers individual Automated Test Equipment (ATE) 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 Automated Test Equipment (ATE) This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Packaging and Testing & Wafer Foundry, IDM).

Technology Analysis: Report covers specific technologies relevant to Automated Test Equipment (ATE). It assesses the current state, advancements, and potential future developments in Automated Test Equipment (ATE) areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Automated Test Equipment (ATE) 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

Automated Test Equipment (ATE) 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

Wafer Testing

Package Testing

Market segment by Application

Packaging and Testing & Wafer Foundry

IDM



Major players covered
Teradyne
Advantest
LTX-Credence
Cohu
Chroma
SPEA
Averna
Shibasoku
ChangChuan
Macrotest
Huafeng
PowerTECH SEMI Co, Ltd
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 Automated Test Equipment (ATE) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automated Test Equipment (ATE), with price, sales, revenue and global market share of Automated Test Equipment (ATE) from 2019 to 2024.

Chapter 3, the Automated Test Equipment (ATE) competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automated Test Equipment (ATE) 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 Automated Test Equipment (ATE) 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 Automated Test Equipment (ATE).

Chapter 14 and 15, to describe Automated Test Equipment (ATE) sales channel, distributors, customers, research findings and conclusion.



Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Automated Test Equipment (ATE)
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Automated Test Equipment (ATE) Consumption Value by

Type: 2019 Versus 2023 Versus 2030

- 1.3.2 Wafer Testing
- 1.3.3 Package Testing
- 1.4 Market Analysis by Application
- 1.4.1 Overview: Global Automated Test Equipment (ATE) Consumption Value by

Application: 2019 Versus 2023 Versus 2030

- 1.4.2 Packaging and Testing & Wafer Foundry
- 1.4.3 IDM
- 1.5 Global Automated Test Equipment (ATE) Market Size & Forecast
- 1.5.1 Global Automated Test Equipment (ATE) Consumption Value (2019 & 2023 & 2030)
 - 1.5.2 Global Automated Test Equipment (ATE) Sales Quantity (2019-2030)
 - 1.5.3 Global Automated Test Equipment (ATE) Average Price (2019-2030)

2 MANUFACTURERS PROFILES

- 2.1 Teradyne
 - 2.1.1 Teradyne Details
 - 2.1.2 Teradyne Major Business
 - 2.1.3 Teradyne Automated Test Equipment (ATE) Product and Services
 - 2.1.4 Teradyne Automated Test Equipment (ATE) Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.1.5 Teradyne Recent Developments/Updates
- 2.2 Advantest
 - 2.2.1 Advantest Details
 - 2.2.2 Advantest Major Business
 - 2.2.3 Advantest Automated Test Equipment (ATE) Product and Services
 - 2.2.4 Advantest Automated Test Equipment (ATE) Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.2.5 Advantest Recent Developments/Updates
- 2.3 LTX-Credence



- 2.3.1 LTX-Credence Details
- 2.3.2 LTX-Credence Major Business
- 2.3.3 LTX-Credence Automated Test Equipment (ATE) Product and Services
- 2.3.4 LTX-Credence Automated Test Equipment (ATE) Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.3.5 LTX-Credence Recent Developments/Updates
- 2.4 Cohu
 - 2.4.1 Cohu Details
 - 2.4.2 Cohu Major Business
 - 2.4.3 Cohu Automated Test Equipment (ATE) Product and Services
 - 2.4.4 Cohu Automated Test Equipment (ATE) Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.4.5 Cohu Recent Developments/Updates
- 2.5 Chroma
 - 2.5.1 Chroma Details
 - 2.5.2 Chroma Major Business
 - 2.5.3 Chroma Automated Test Equipment (ATE) Product and Services
 - 2.5.4 Chroma Automated Test Equipment (ATE) Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.5.5 Chroma Recent Developments/Updates
- 2.6 SPEA
 - 2.6.1 SPEA Details
 - 2.6.2 SPEA Major Business
 - 2.6.3 SPEA Automated Test Equipment (ATE) Product and Services
 - 2.6.4 SPEA Automated Test Equipment (ATE) Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.6.5 SPEA Recent Developments/Updates
- 2.7 Averna
 - 2.7.1 Averna Details
 - 2.7.2 Averna Major Business
 - 2.7.3 Averna Automated Test Equipment (ATE) Product and Services
 - 2.7.4 Averna Automated Test Equipment (ATE) Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.7.5 Averna Recent Developments/Updates
- 2.8 Shibasoku
 - 2.8.1 Shibasoku Details
 - 2.8.2 Shibasoku Major Business
 - 2.8.3 Shibasoku Automated Test Equipment (ATE) Product and Services
- 2.8.4 Shibasoku Automated Test Equipment (ATE) Sales Quantity, Average Price,



Revenue, Gross Margin and Market Share (2019-2024)

- 2.8.5 Shibasoku Recent Developments/Updates
- 2.9 ChangChuan
 - 2.9.1 ChangChuan Details
 - 2.9.2 ChangChuan Major Business
 - 2.9.3 ChangChuan Automated Test Equipment (ATE) Product and Services
- 2.9.4 ChangChuan Automated Test Equipment (ATE) Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.9.5 ChangChuan Recent Developments/Updates
- 2.10 Macrotest
 - 2.10.1 Macrotest Details
 - 2.10.2 Macrotest Major Business
 - 2.10.3 Macrotest Automated Test Equipment (ATE) Product and Services
- 2.10.4 Macrotest Automated Test Equipment (ATE) Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.10.5 Macrotest Recent Developments/Updates
- 2.11 Huafeng
 - 2.11.1 Huafeng Details
 - 2.11.2 Huafeng Major Business
 - 2.11.3 Huafeng Automated Test Equipment (ATE) Product and Services
 - 2.11.4 Huafeng Automated Test Equipment (ATE) Sales Quantity, Average Price.

Revenue, Gross Margin and Market Share (2019-2024)

- 2.11.5 Huafeng Recent Developments/Updates
- 2.12 PowerTECH SEMI Co, Ltd
 - 2.12.1 PowerTECH SEMI Co, Ltd Details
 - 2.12.2 PowerTECH SEMI Co, Ltd Major Business
- 2.12.3 PowerTECH SEMI Co, Ltd Automated Test Equipment (ATE) Product and Services
- 2.12.4 PowerTECH SEMI Co, Ltd Automated Test Equipment (ATE) Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.12.5 PowerTECH SEMI Co, Ltd Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: AUTOMATED TEST EQUIPMENT (ATE) BY MANUFACTURER

- 3.1 Global Automated Test Equipment (ATE) Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Automated Test Equipment (ATE) Revenue by Manufacturer (2019-2024)
- 3.3 Global Automated Test Equipment (ATE) Average Price by Manufacturer



(2019-2024)

- 3.4 Market Share Analysis (2023)
- 3.4.1 Producer Shipments of Automated Test Equipment (ATE) by Manufacturer Revenue (\$MM) and Market Share (%): 2023
- 3.4.2 Top 3 Automated Test Equipment (ATE) Manufacturer Market Share in 2023
- 3.4.2 Top 6 Automated Test Equipment (ATE) Manufacturer Market Share in 2023
- 3.5 Automated Test Equipment (ATE) Market: Overall Company Footprint Analysis
- 3.5.1 Automated Test Equipment (ATE) Market: Region Footprint
- 3.5.2 Automated Test Equipment (ATE) Market: Company Product Type Footprint
- 3.5.3 Automated Test Equipment (ATE) Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Automated Test Equipment (ATE) Market Size by Region
 - 4.1.1 Global Automated Test Equipment (ATE) Sales Quantity by Region (2019-2030)
- 4.1.2 Global Automated Test Equipment (ATE) Consumption Value by Region (2019-2030)
- 4.1.3 Global Automated Test Equipment (ATE) Average Price by Region (2019-2030)
- 4.2 North America Automated Test Equipment (ATE) Consumption Value (2019-2030)
- 4.3 Europe Automated Test Equipment (ATE) Consumption Value (2019-2030)
- 4.4 Asia-Pacific Automated Test Equipment (ATE) Consumption Value (2019-2030)
- 4.5 South America Automated Test Equipment (ATE) Consumption Value (2019-2030)
- 4.6 Middle East and Africa Automated Test Equipment (ATE) Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Automated Test Equipment (ATE) Sales Quantity by Type (2019-2030)
- 5.2 Global Automated Test Equipment (ATE) Consumption Value by Type (2019-2030)
- 5.3 Global Automated Test Equipment (ATE) Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Automated Test Equipment (ATE) Sales Quantity by Application (2019-2030)
- 6.2 Global Automated Test Equipment (ATE) Consumption Value by Application (2019-2030)



6.3 Global Automated Test Equipment (ATE) Average Price by Application (2019-2030)

7 NORTH AMERICA

- 7.1 North America Automated Test Equipment (ATE) Sales Quantity by Type (2019-2030)
- 7.2 North America Automated Test Equipment (ATE) Sales Quantity by Application (2019-2030)
- 7.3 North America Automated Test Equipment (ATE) Market Size by Country
- 7.3.1 North America Automated Test Equipment (ATE) Sales Quantity by Country (2019-2030)
- 7.3.2 North America Automated Test Equipment (ATE) Consumption Value by Country (2019-2030)
 - 7.3.3 United States Market Size and Forecast (2019-2030)
 - 7.3.4 Canada Market Size and Forecast (2019-2030)
 - 7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

- 8.1 Europe Automated Test Equipment (ATE) Sales Quantity by Type (2019-2030)
- 8.2 Europe Automated Test Equipment (ATE) Sales Quantity by Application (2019-2030)
- 8.3 Europe Automated Test Equipment (ATE) Market Size by Country
- 8.3.1 Europe Automated Test Equipment (ATE) Sales Quantity by Country (2019-2030)
- 8.3.2 Europe Automated Test Equipment (ATE) Consumption Value by Country (2019-2030)
 - 8.3.3 Germany Market Size and Forecast (2019-2030)
 - 8.3.4 France Market Size and Forecast (2019-2030)
- 8.3.5 United Kingdom Market Size and Forecast (2019-2030)
- 8.3.6 Russia Market Size and Forecast (2019-2030)
- 8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific Automated Test Equipment (ATE) Sales Quantity by Type (2019-2030)
- 9.2 Asia-Pacific Automated Test Equipment (ATE) Sales Quantity by Application (2019-2030)
- 9.3 Asia-Pacific Automated Test Equipment (ATE) Market Size by Region



- 9.3.1 Asia-Pacific Automated Test Equipment (ATE) Sales Quantity by Region (2019-2030)
- 9.3.2 Asia-Pacific Automated Test Equipment (ATE) Consumption Value by Region (2019-2030)
 - 9.3.3 China Market Size and Forecast (2019-2030)
 - 9.3.4 Japan Market Size and Forecast (2019-2030)
 - 9.3.5 Korea Market Size and Forecast (2019-2030)
- 9.3.6 India Market Size and Forecast (2019-2030)
- 9.3.7 Southeast Asia Market Size and Forecast (2019-2030)
- 9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

- 10.1 South America Automated Test Equipment (ATE) Sales Quantity by Type (2019-2030)
- 10.2 South America Automated Test Equipment (ATE) Sales Quantity by Application (2019-2030)
- 10.3 South America Automated Test Equipment (ATE) Market Size by Country
- 10.3.1 South America Automated Test Equipment (ATE) Sales Quantity by Country (2019-2030)
- 10.3.2 South America Automated Test Equipment (ATE) Consumption Value by Country (2019-2030)
 - 10.3.3 Brazil Market Size and Forecast (2019-2030)
 - 10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Automated Test Equipment (ATE) Sales Quantity by Type (2019-2030)
- 11.2 Middle East & Africa Automated Test Equipment (ATE) Sales Quantity by Application (2019-2030)
- 11.3 Middle East & Africa Automated Test Equipment (ATE) Market Size by Country
- 11.3.1 Middle East & Africa Automated Test Equipment (ATE) Sales Quantity by Country (2019-2030)
- 11.3.2 Middle East & Africa Automated Test Equipment (ATE) Consumption Value by Country (2019-2030)
 - 11.3.3 Turkey Market Size and Forecast (2019-2030)
 - 11.3.4 Egypt Market Size and Forecast (2019-2030)
 - 11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)



11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

- 12.1 Automated Test Equipment (ATE) Market Drivers
- 12.2 Automated Test Equipment (ATE) Market Restraints
- 12.3 Automated Test Equipment (ATE) Trends Analysis
- 12.4 Porters Five Forces Analysis
 - 12.4.1 Threat of New Entrants
 - 12.4.2 Bargaining Power of Suppliers
 - 12.4.3 Bargaining Power of Buyers
 - 12.4.4 Threat of Substitutes
 - 12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of Automated Test Equipment (ATE) and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Automated Test Equipment (ATE)
- 13.3 Automated Test Equipment (ATE) Production Process
- 13.4 Automated Test Equipment (ATE) Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 Automated Test Equipment (ATE) Typical Distributors
- 14.3 Automated Test Equipment (ATE) Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer



List Of Tables

LIST OF TABLES

- Table 1. Global Automated Test Equipment (ATE) Consumption Value by Type, (USD Million), 2019 & 2023 & 2030
- Table 2. Global Automated Test Equipment (ATE) Consumption Value by Application, (USD Million), 2019 & 2023 & 2030
- Table 3. Teradyne Basic Information, Manufacturing Base and Competitors
- Table 4. Teradyne Major Business
- Table 5. Teradyne Automated Test Equipment (ATE) Product and Services
- Table 6. Teradyne Automated Test Equipment (ATE) Sales Quantity (Units), Average
- Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 7. Teradyne Recent Developments/Updates
- Table 8. Advantest Basic Information, Manufacturing Base and Competitors
- Table 9. Advantest Major Business
- Table 10. Advantest Automated Test Equipment (ATE) Product and Services
- Table 11. Advantest Automated Test Equipment (ATE) Sales Quantity (Units), Average
- Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 12. Advantest Recent Developments/Updates
- Table 13. LTX-Credence Basic Information, Manufacturing Base and Competitors
- Table 14. LTX-Credence Major Business
- Table 15. LTX-Credence Automated Test Equipment (ATE) Product and Services
- Table 16. LTX-Credence Automated Test Equipment (ATE) Sales Quantity (Units),
- Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 17. LTX-Credence Recent Developments/Updates
- Table 18. Cohu Basic Information, Manufacturing Base and Competitors
- Table 19. Cohu Major Business
- Table 20. Cohu Automated Test Equipment (ATE) Product and Services
- Table 21. Cohu Automated Test Equipment (ATE) Sales Quantity (Units), Average Price
- (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 22. Cohu Recent Developments/Updates
- Table 23. Chroma Basic Information, Manufacturing Base and Competitors
- Table 24. Chroma Major Business
- Table 25. Chroma Automated Test Equipment (ATE) Product and Services
- Table 26. Chroma Automated Test Equipment (ATE) Sales Quantity (Units), Average
- Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 27. Chroma Recent Developments/Updates



- Table 28. SPEA Basic Information, Manufacturing Base and Competitors
- Table 29. SPEA Major Business
- Table 30. SPEA Automated Test Equipment (ATE) Product and Services
- Table 31. SPEA Automated Test Equipment (ATE) Sales Quantity (Units), Average
- Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 32. SPEA Recent Developments/Updates
- Table 33. Averna Basic Information, Manufacturing Base and Competitors
- Table 34. Averna Major Business
- Table 35. Averna Automated Test Equipment (ATE) Product and Services
- Table 36. Averna Automated Test Equipment (ATE) Sales Quantity (Units), Average
- Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 37. Averna Recent Developments/Updates
- Table 38. Shibasoku Basic Information, Manufacturing Base and Competitors
- Table 39. Shibasoku Major Business
- Table 40. Shibasoku Automated Test Equipment (ATE) Product and Services
- Table 41. Shibasoku Automated Test Equipment (ATE) Sales Quantity (Units), Average
- Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 42. Shibasoku Recent Developments/Updates
- Table 43. ChangChuan Basic Information, Manufacturing Base and Competitors
- Table 44. ChangChuan Major Business
- Table 45. ChangChuan Automated Test Equipment (ATE) Product and Services
- Table 46. ChangChuan Automated Test Equipment (ATE) Sales Quantity (Units),
- Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 47. ChangChuan Recent Developments/Updates
- Table 48. Macrotest Basic Information, Manufacturing Base and Competitors
- Table 49. Macrotest Major Business
- Table 50. Macrotest Automated Test Equipment (ATE) Product and Services
- Table 51. Macrotest Automated Test Equipment (ATE) Sales Quantity (Units), Average
- Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 52. Macrotest Recent Developments/Updates
- Table 53. Huafeng Basic Information, Manufacturing Base and Competitors
- Table 54. Huafeng Major Business
- Table 55. Huafeng Automated Test Equipment (ATE) Product and Services
- Table 56. Huafeng Automated Test Equipment (ATE) Sales Quantity (Units), Average
- Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 57. Huafeng Recent Developments/Updates
- Table 58. PowerTECH SEMI Co, Ltd Basic Information, Manufacturing Base and Competitors



- Table 59. PowerTECH SEMI Co, Ltd Major Business
- Table 60. PowerTECH SEMI Co, Ltd Automated Test Equipment (ATE) Product and Services
- Table 61. PowerTECH SEMI Co, Ltd Automated Test Equipment (ATE) Sales Quantity (Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 62. PowerTECH SEMI Co, Ltd Recent Developments/Updates
- Table 63. Global Automated Test Equipment (ATE) Sales Quantity by Manufacturer (2019-2024) & (Units)
- Table 64. Global Automated Test Equipment (ATE) Revenue by Manufacturer (2019-2024) & (USD Million)
- Table 65. Global Automated Test Equipment (ATE) Average Price by Manufacturer (2019-2024) & (USD/Unit)
- Table 66. Market Position of Manufacturers in Automated Test Equipment (ATE), (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023
- Table 67. Head Office and Automated Test Equipment (ATE) Production Site of Key Manufacturer
- Table 68. Automated Test Equipment (ATE) Market: Company Product Type Footprint
- Table 69. Automated Test Equipment (ATE) Market: Company Product Application Footprint
- Table 70. Automated Test Equipment (ATE) New Market Entrants and Barriers to Market Entry
- Table 71. Automated Test Equipment (ATE) Mergers, Acquisition, Agreements, and Collaborations
- Table 72. Global Automated Test Equipment (ATE) Sales Quantity by Region (2019-2024) & (Units)
- Table 73. Global Automated Test Equipment (ATE) Sales Quantity by Region (2025-2030) & (Units)
- Table 74. Global Automated Test Equipment (ATE) Consumption Value by Region (2019-2024) & (USD Million)
- Table 75. Global Automated Test Equipment (ATE) Consumption Value by Region (2025-2030) & (USD Million)
- Table 76. Global Automated Test Equipment (ATE) Average Price by Region (2019-2024) & (USD/Unit)
- Table 77. Global Automated Test Equipment (ATE) Average Price by Region (2025-2030) & (USD/Unit)
- Table 78. Global Automated Test Equipment (ATE) Sales Quantity by Type (2019-2024) & (Units)
- Table 79. Global Automated Test Equipment (ATE) Sales Quantity by Type (2025-2030)



& (Units)

Table 80. Global Automated Test Equipment (ATE) Consumption Value by Type (2019-2024) & (USD Million)

Table 81. Global Automated Test Equipment (ATE) Consumption Value by Type (2025-2030) & (USD Million)

Table 82. Global Automated Test Equipment (ATE) Average Price by Type (2019-2024) & (USD/Unit)

Table 83. Global Automated Test Equipment (ATE) Average Price by Type (2025-2030) & (USD/Unit)

Table 84. Global Automated Test Equipment (ATE) Sales Quantity by Application (2019-2024) & (Units)

Table 85. Global Automated Test Equipment (ATE) Sales Quantity by Application (2025-2030) & (Units)

Table 86. Global Automated Test Equipment (ATE) Consumption Value by Application (2019-2024) & (USD Million)

Table 87. Global Automated Test Equipment (ATE) Consumption Value by Application (2025-2030) & (USD Million)

Table 88. Global Automated Test Equipment (ATE) Average Price by Application (2019-2024) & (USD/Unit)

Table 89. Global Automated Test Equipment (ATE) Average Price by Application (2025-2030) & (USD/Unit)

Table 90. North America Automated Test Equipment (ATE) Sales Quantity by Type (2019-2024) & (Units)

Table 91. North America Automated Test Equipment (ATE) Sales Quantity by Type (2025-2030) & (Units)

Table 92. North America Automated Test Equipment (ATE) Sales Quantity by Application (2019-2024) & (Units)

Table 93. North America Automated Test Equipment (ATE) Sales Quantity by Application (2025-2030) & (Units)

Table 94. North America Automated Test Equipment (ATE) Sales Quantity by Country (2019-2024) & (Units)

Table 95. North America Automated Test Equipment (ATE) Sales Quantity by Country (2025-2030) & (Units)

Table 96. North America Automated Test Equipment (ATE) Consumption Value by Country (2019-2024) & (USD Million)

Table 97. North America Automated Test Equipment (ATE) Consumption Value by Country (2025-2030) & (USD Million)

Table 98. Europe Automated Test Equipment (ATE) Sales Quantity by Type (2019-2024) & (Units)



- Table 99. Europe Automated Test Equipment (ATE) Sales Quantity by Type (2025-2030) & (Units)
- Table 100. Europe Automated Test Equipment (ATE) Sales Quantity by Application (2019-2024) & (Units)
- Table 101. Europe Automated Test Equipment (ATE) Sales Quantity by Application (2025-2030) & (Units)
- Table 102. Europe Automated Test Equipment (ATE) Sales Quantity by Country (2019-2024) & (Units)
- Table 103. Europe Automated Test Equipment (ATE) Sales Quantity by Country (2025-2030) & (Units)
- Table 104. Europe Automated Test Equipment (ATE) Consumption Value by Country (2019-2024) & (USD Million)
- Table 105. Europe Automated Test Equipment (ATE) Consumption Value by Country (2025-2030) & (USD Million)
- Table 106. Asia-Pacific Automated Test Equipment (ATE) Sales Quantity by Type (2019-2024) & (Units)
- Table 107. Asia-Pacific Automated Test Equipment (ATE) Sales Quantity by Type (2025-2030) & (Units)
- Table 108. Asia-Pacific Automated Test Equipment (ATE) Sales Quantity by Application (2019-2024) & (Units)
- Table 109. Asia-Pacific Automated Test Equipment (ATE) Sales Quantity by Application (2025-2030) & (Units)
- Table 110. Asia-Pacific Automated Test Equipment (ATE) Sales Quantity by Region (2019-2024) & (Units)
- Table 111. Asia-Pacific Automated Test Equipment (ATE) Sales Quantity by Region (2025-2030) & (Units)
- Table 112. Asia-Pacific Automated Test Equipment (ATE) Consumption Value by Region (2019-2024) & (USD Million)
- Table 113. Asia-Pacific Automated Test Equipment (ATE) Consumption Value by Region (2025-2030) & (USD Million)
- Table 114. South America Automated Test Equipment (ATE) Sales Quantity by Type (2019-2024) & (Units)
- Table 115. South America Automated Test Equipment (ATE) Sales Quantity by Type (2025-2030) & (Units)
- Table 116. South America Automated Test Equipment (ATE) Sales Quantity by Application (2019-2024) & (Units)
- Table 117. South America Automated Test Equipment (ATE) Sales Quantity by Application (2025-2030) & (Units)
- Table 118. South America Automated Test Equipment (ATE) Sales Quantity by Country



(2019-2024) & (Units)

Table 119. South America Automated Test Equipment (ATE) Sales Quantity by Country (2025-2030) & (Units)

Table 120. South America Automated Test Equipment (ATE) Consumption Value by Country (2019-2024) & (USD Million)

Table 121. South America Automated Test Equipment (ATE) Consumption Value by Country (2025-2030) & (USD Million)

Table 122. Middle East & Africa Automated Test Equipment (ATE) Sales Quantity by Type (2019-2024) & (Units)

Table 123. Middle East & Africa Automated Test Equipment (ATE) Sales Quantity by Type (2025-2030) & (Units)

Table 124. Middle East & Africa Automated Test Equipment (ATE) Sales Quantity by Application (2019-2024) & (Units)

Table 125. Middle East & Africa Automated Test Equipment (ATE) Sales Quantity by Application (2025-2030) & (Units)

Table 126. Middle East & Africa Automated Test Equipment (ATE) Sales Quantity by Region (2019-2024) & (Units)

Table 127. Middle East & Africa Automated Test Equipment (ATE) Sales Quantity by Region (2025-2030) & (Units)

Table 128. Middle East & Africa Automated Test Equipment (ATE) Consumption Value by Region (2019-2024) & (USD Million)

Table 129. Middle East & Africa Automated Test Equipment (ATE) Consumption Value by Region (2025-2030) & (USD Million)

Table 130. Automated Test Equipment (ATE) Raw Material

Table 131. Key Manufacturers of Automated Test Equipment (ATE) Raw Materials

Table 132. Automated Test Equipment (ATE) Typical Distributors

Table 133. Automated Test Equipment (ATE) Typical Customers



List Of Figures

LIST OF FIGURES

Figure 1. Automated Test Equipment (ATE) Picture

Figure 2. Global Automated Test Equipment (ATE) Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Automated Test Equipment (ATE) Consumption Value Market Share by Type in 2023

Figure 4. Wafer Testing Examples

Figure 5. Package Testing Examples

Figure 6. Global Automated Test Equipment (ATE) Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 7. Global Automated Test Equipment (ATE) Consumption Value Market Share by Application in 2023

Figure 8. Packaging and Testing & Wafer Foundry Examples

Figure 9. IDM Examples

Figure 10. Global Automated Test Equipment (ATE) Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 11. Global Automated Test Equipment (ATE) Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 12. Global Automated Test Equipment (ATE) Sales Quantity (2019-2030) & (Units)

Figure 13. Global Automated Test Equipment (ATE) Average Price (2019-2030) & (USD/Unit)

Figure 14. Global Automated Test Equipment (ATE) Sales Quantity Market Share by Manufacturer in 2023

Figure 15. Global Automated Test Equipment (ATE) Consumption Value Market Share by Manufacturer in 2023

Figure 16. Producer Shipments of Automated Test Equipment (ATE) by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 17. Top 3 Automated Test Equipment (ATE) Manufacturer (Consumption Value) Market Share in 2023

Figure 18. Top 6 Automated Test Equipment (ATE) Manufacturer (Consumption Value) Market Share in 2023

Figure 19. Global Automated Test Equipment (ATE) Sales Quantity Market Share by Region (2019-2030)

Figure 20. Global Automated Test Equipment (ATE) Consumption Value Market Share by Region (2019-2030)



Figure 21. North America Automated Test Equipment (ATE) Consumption Value (2019-2030) & (USD Million)

Figure 22. Europe Automated Test Equipment (ATE) Consumption Value (2019-2030) & (USD Million)

Figure 23. Asia-Pacific Automated Test Equipment (ATE) Consumption Value (2019-2030) & (USD Million)

Figure 24. South America Automated Test Equipment (ATE) Consumption Value (2019-2030) & (USD Million)

Figure 25. Middle East & Africa Automated Test Equipment (ATE) Consumption Value (2019-2030) & (USD Million)

Figure 26. Global Automated Test Equipment (ATE) Sales Quantity Market Share by Type (2019-2030)

Figure 27. Global Automated Test Equipment (ATE) Consumption Value Market Share by Type (2019-2030)

Figure 28. Global Automated Test Equipment (ATE) Average Price by Type (2019-2030) & (USD/Unit)

Figure 29. Global Automated Test Equipment (ATE) Sales Quantity Market Share by Application (2019-2030)

Figure 30. Global Automated Test Equipment (ATE) Consumption Value Market Share by Application (2019-2030)

Figure 31. Global Automated Test Equipment (ATE) Average Price by Application (2019-2030) & (USD/Unit)

Figure 32. North America Automated Test Equipment (ATE) Sales Quantity Market Share by Type (2019-2030)

Figure 33. North America Automated Test Equipment (ATE) Sales Quantity Market Share by Application (2019-2030)

Figure 34. North America Automated Test Equipment (ATE) Sales Quantity Market Share by Country (2019-2030)

Figure 35. North America Automated Test Equipment (ATE) Consumption Value Market Share by Country (2019-2030)

Figure 36. United States Automated Test Equipment (ATE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 37. Canada Automated Test Equipment (ATE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 38. Mexico Automated Test Equipment (ATE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 39. Europe Automated Test Equipment (ATE) Sales Quantity Market Share by Type (2019-2030)

Figure 40. Europe Automated Test Equipment (ATE) Sales Quantity Market Share by



Application (2019-2030)

Figure 41. Europe Automated Test Equipment (ATE) Sales Quantity Market Share by Country (2019-2030)

Figure 42. Europe Automated Test Equipment (ATE) Consumption Value Market Share by Country (2019-2030)

Figure 43. Germany Automated Test Equipment (ATE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 44. France Automated Test Equipment (ATE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 45. United Kingdom Automated Test Equipment (ATE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 46. Russia Automated Test Equipment (ATE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 47. Italy Automated Test Equipment (ATE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 48. Asia-Pacific Automated Test Equipment (ATE) Sales Quantity Market Share by Type (2019-2030)

Figure 49. Asia-Pacific Automated Test Equipment (ATE) Sales Quantity Market Share by Application (2019-2030)

Figure 50. Asia-Pacific Automated Test Equipment (ATE) Sales Quantity Market Share by Region (2019-2030)

Figure 51. Asia-Pacific Automated Test Equipment (ATE) Consumption Value Market Share by Region (2019-2030)

Figure 52. China Automated Test Equipment (ATE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 53. Japan Automated Test Equipment (ATE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 54. Korea Automated Test Equipment (ATE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 55. India Automated Test Equipment (ATE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 56. Southeast Asia Automated Test Equipment (ATE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 57. Australia Automated Test Equipment (ATE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. South America Automated Test Equipment (ATE) Sales Quantity Market Share by Type (2019-2030)

Figure 59. South America Automated Test Equipment (ATE) Sales Quantity Market Share by Application (2019-2030)



Figure 60. South America Automated Test Equipment (ATE) Sales Quantity Market Share by Country (2019-2030)

Figure 61. South America Automated Test Equipment (ATE) Consumption Value Market Share by Country (2019-2030)

Figure 62. Brazil Automated Test Equipment (ATE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 63. Argentina Automated Test Equipment (ATE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 64. Middle East & Africa Automated Test Equipment (ATE) Sales Quantity Market Share by Type (2019-2030)

Figure 65. Middle East & Africa Automated Test Equipment (ATE) Sales Quantity Market Share by Application (2019-2030)

Figure 66. Middle East & Africa Automated Test Equipment (ATE) Sales Quantity Market Share by Region (2019-2030)

Figure 67. Middle East & Africa Automated Test Equipment (ATE) Consumption Value Market Share by Region (2019-2030)

Figure 68. Turkey Automated Test Equipment (ATE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 69. Egypt Automated Test Equipment (ATE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 70. Saudi Arabia Automated Test Equipment (ATE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 71. South Africa Automated Test Equipment (ATE) Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 72. Automated Test Equipment (ATE) Market Drivers

Figure 73. Automated Test Equipment (ATE) Market Restraints

Figure 74. Automated Test Equipment (ATE) Market Trends

Figure 75. Porters Five Forces Analysis

Figure 76. Manufacturing Cost Structure Analysis of Automated Test Equipment (ATE) in 2023

Figure 77. Manufacturing Process Analysis of Automated Test Equipment (ATE)

Figure 78. Automated Test Equipment (ATE) Industrial Chain

Figure 79. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 80. Direct Channel Pros & Cons

Figure 81. Indirect Channel Pros & Cons

Figure 82. Methodology

Figure 83. Research Process and Data Source



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