

Automated Test Equipment Market Size, Share & Trends Analysis Report By Product (Non-memory, Memory, Discrete), By Vertical (Automotive, Aerospace & Defense, IT & Telecom), By Region, And Segment Forecasts, 2021 - 2028

<https://marketpublishers.com/r/AEDEB81CC7BEN.html>

Date: July 2021

Pages: 167

Price: US\$ 4,950.00 (Single User License)

ID: AEDEB81CC7BEN

Abstracts

This report can be delivered to the clients within 72 Business Hours

Automated Test Equipment Market Growth & Trends

The global automated test equipment market size is expected to reach USD 8.94 billion by 2028, according to a new study by Grand View Research, Inc. It is expected to expand at a CAGR of 3.3% from 2021 to 2028. Increasing adoption of System on Chip (SoC) coupled with high demand for consumer electronics is anticipated to drive the growth. Growing electronic content in automotive sector and penetration of smartphones is expected to drive the market. Furthermore, the demand for Automated Test Equipment (ATE) in manufacturing industry as the test equipment save the manufacturing cost and helps in eliminating the defective devices is projected to continue fueling the market.

Miniaturization has spurred demand across various semiconductor manufacturing companies. Additionally, considerable technological advancements coupled with design complexity and the need for adequate testing is expected to positively impact the growth. Developments in semiconductor manufacturing processes along with expansion of wireless networks in developing nations is expected to provide significant growth opportunities for the global market.

The growth of ATE market is primarily driven by semiconductor manufacturing

companies which focus on cost-effective testing. Semiconductor manufacturing companies no longer consider fabrication costs as a factor for profit margin in semiconductor chip manufacturing. Semiconductor companies focus on improving their fabrication technology and look for efficient ways of testing to reduce losses due to damages. Advancements in smartphones, tablets, and SoC-based products is creating demand for greater functionality in ATE. As connected devices get smaller, more powerful, and multifaceted; they face design, application, and fabrication challenges, increasing the product demand.

Increasing design complexities along with major technological inventions such as advanced Design for Test (DFT) and adaptive testing are some of the key factors driving the automatic test equipment market. Moreover, recent innovations in Internet of Things (IoT) devices, autonomous vehicles, along with significant changes in the defense and aerospace sectors have significantly transformed the market dynamics.

Non-memory automated test equipment product segment is expected to hold significant market share over the forecast period owing to the increasing number of microcontroller-based applications and demand of the automotive sector. Revenue from IT and telecommunications sector is projected to witness significant growth in the forthcoming years. Asia Pacific accounted for the largest market share in 2019 and is expected to register the fastest growth over the forecast period, owing to the rising number of semiconductor industries in the region. Key market players include Aemulus Holdings Bhd (“Aemulus”); Chroma ATE Inc.; and Teradyne Inc.

Automated Test Equipment Market Report Highlights

The growth of automated test equipment market is driven by the significant use of the test equipment in automotive and semiconductor industry

In the product segment, Non-memory ATE held the largest market share in 2019 and is estimated to witness the second-fastest growth over the forecast period owing to the expansion of consumer electronics, growing number of microcontroller-based application, and other such factors

In the vertical segment, IT and telecommunication is estimated to continue holding the largest market share in the forthcoming years, owing to the increased focus on effective communication

The automotive segment is expected to witness considerable growth over the

forecast period owing to the increasing integration of the electronic devices in the automobile industry

North America is estimated to witness substantial growth over the forecast period owing to the high investment in aerospace and defense couple with technological innovations

Key market players include Aemulus Holdings Bhd (“Aemulus”); Chroma ATE Inc.; Aeroflex Inc. (a subsidiary of Cobham plc); Astronics Corporation; Advantest Corporation; LTX-Credence Corporation (Xcerra Corporation); Teradyne Inc.; STAr Technologies Inc. (a subsidiary of Innotech Corporation); Tesec Corporation; Roos Instruments, Inc.; Marvin Test Solutions Inc.; and Danaher Corporation. Teradyne Inc.; LTX-Credence Corporation (Xcerra Corporation); and Advantest Corporation dominated majority of global market share

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Market segmentation & scope
- 1.2. Market definition
- 1.3. Information procurement
 - 1.3.1. Purchased database
 - 1.3.2. GVR's internal database
 - 1.3.3. Secondary sources & third-party perspectives
 - 1.3.4. Primary research
- 1.4. Information analysis
 - 1.4.1. Data analysis models
- 1.5. Market formulation & data visualization
- 1.6. Data validation & publishing

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Market Outlook
- 2.2. Segmental Outlook

CHAPTER 3 AUTOMATED TEST EQUIPMENT (ATE) MARKET VARIABLES, TRENDS & SCOPE

- 3.1. Market Lineage outlook
 - 3.1.1. Parent market outlook
 - 3.1.2. Related/ancillary market outlook
- 3.2. Automated Test Equipment (ATE) Market Dynamics
 - 3.2.1. Market Driver Analysis
 - 3.2.2. Market Restraint Analysis
 - 3.2.3. Market Opportunity Analysis
 - 3.2.4. Market Challenge Analysis
- 3.3. Penetration& Growth Prospect Mapping
- 3.4. Automated Test Equipment (ATE) Industry Analysis - Porter's
 - 3.4.1. Supplier Power
 - 3.4.2. Buyer Power
 - 3.4.3. Substitution Threat
 - 3.4.4. Threat from new entrant
 - 3.4.5. Competitive rivalry

3.5. Automated Test Equipment (ATE) Industry Analysis - PESTLE

- 3.5.1. Political Landscape
- 3.5.2. Environmental Landscape
- 3.5.3. Social Landscape
- 3.5.4. Technology Landscape
- 3.5.5. Legal Landscape

3.6. Major Deals & Strategic Alliances Analysis

- 3.6.1. Joint Ventures
- 3.6.2. Mergers & Acquisitions
- 3.6.3. Licensing & Partnership
- 3.6.4. Technology Collaborations
- 3.6.5. Strategic Divestments

CHAPTER 4 AUTOMATED TEST EQUIPMENT MARKET: PRODUCT ESTIMATES & TREND ANALYSIS

4.1 Automated Test Equipment Market: Product Analysis

- 4.1.1 Non-Memory ATE
 - 4.1.1.1. Market estimates and forecasts, 2017 - 2028 (USD Million)
- 4.1.2 Memory ATE
 - 4.1.2.1. Market estimates and forecasts, 2017 - 2028 (USD Million)
- 4.1.3 Discrete
 - 4.1.3.1. Market estimates and forecasts, 2017 - 2028 (USD Million)

CHAPTER 5 AUTOMATED TEST EQUIPMENT MARKET: VERTICAL ESTIMATES & TREND ANALYSIS

5.1 Automated Test Equipment Market: Vertical Analysis

- 5.1.1 Automotive
 - 5.1.1.1. Market estimates and forecasts, 2017 - 2028 (USD Million)
- 5.1.2 Consumer
 - 5.1.2.1. Market estimates and forecasts, 2017 - 2028 (USD Million)
- 5.1.3 Aerospace & Defense
 - 5.1.3.1. Market estimates and forecasts, 2017 - 2028 (USD Million)
- 5.1.4 IT & Telecom
 - 5.1.4.1. Market estimates and forecasts, 2017 - 2028 (USD Million)
- 5.1.5 Others
 - 5.1.5.1. Market estimates and forecasts, 2017 - 2028 (USD Million)

CHAPTER 6 AUTOMATED TEST EQUIPMENT MARKET: REGIONAL ESTIMATES & TREND ANALYSIS

6.1 Automated Test Equipment Market Share by Region, 2018 & 2027

6.2 North America

6.2.1 Market estimates and forecasts, 2017 - 2028 (USD Million)

6.2.2 U.S.

6.2.2.1. Market estimates and forecasts, 2017 - 2028 (USD Million)

6.2.3 Canada

6.2.3.1. Market estimates and forecasts, 2017 - 2028 (USD Million)

6.2.4 Mexico

6.2.4.1. Market estimates and forecasts, 2017 - 2028 (USD Million)

6.3 Europe

6.3.1. Market estimates and forecasts, 2017 - 2028 (USD Million)

6.3.2 U.K.

6.3.2.1. Market estimates and forecasts, 2017 - 2028 (USD Million)

6.3.3 Germany

6.3.3.1. Market estimates and forecasts, 2017 - 2028 (USD Million)

6.4 Asia Pacific (APAC)

6.4.1. Market estimates and forecasts, 2017 - 2028 (USD Million)

6.4.2 China

6.4.2.1. Market estimates and forecasts, 2017 - 2028 (USD Million)

6.4.3 Japan

6.4.3.1. Market estimates and forecasts, 2017 - 2028 (USD Million)

6.4.4 South Korea

6.4.4.1. Market estimates and forecasts, 2017 - 2028 (USD Million)

6.4.5 Taiwan

6.4.5.1. Market estimates and forecasts, 2017 - 2028 (USD Million)

6.4.6 Thailand

6.4.6.1. Market estimates and forecasts, 2017 - 2028 (USD Million)

6.4.7 Singapore

6.4.7.1. Market estimates and forecasts, 2017 - 2028 (USD Million)

6.4.8 Malaysia

6.4.8.1. Market estimates and forecasts, 2017 - 2028 (USD Million)

6.5 South America

6.5.1. Market estimates and forecasts, 2017 - 2028 (USD Million)

6.5.2 Brazil

6.5.2.1. Market estimates and forecasts, 2017 - 2028 (USD Million)

6.6 Middle East & Africa (MEA)

6.6.1. Market estimates and forecasts, 2017 - 2028 (USD Million)

CHAPTER 7. COMPETITIVE ANALYSIS

7.1. Recent developments & impact analysis, by key market participants

7.2. Company/Competition Categorization (Key innovators, Market leaders, Emerging players)

7.3. Vendor Landscape

7.3.1. Key company market share analysis, 2020

7.4. Public Companies

7.4.1. Company market position analysis

7.4.2. Competitive Dashboard Analysis

7.4.3. Synergy Analysis: Major Deals & Strategic Alliances

7.5. Private Companies

7.5.1. List of key emerging companies /technology disruptors/innovators

7.5.2. Company market position analysis

CHAPTER 8 COMPETITIVE LANDSCAPE

8.1 Company Profiles

8.1.1 Aemulus Holdings Bhd (“Aemulus”)

8.1.1.1 Company overview

8.1.1.2 Financial Performance

8.1.1.3 Product benchmarking

8.1.1.4 Recent developments

8.1.2 Chroma ATE Inc

8.1.2.1 Company overview

8.1.2.2 Financial Performance

8.1.2.3 Product benchmarking

8.1.2.4 Recent developments

8.1.3 Aeroflex Inc. (a subsidiary of Cobham plc)

8.1.3.1 Company overview

8.1.3.2 Financial Performance

8.1.3.3 Product benchmarking

8.1.4 Astronics Corporation

8.1.4.1 Company overview

8.1.4.2 Financial Performance

8.1.4.3 Product benchmarking

8.1.4.4 Recent developments

- 8.1.5 Advantest Co.
 - 8.1.5.1 Company overview
 - 8.1.5.2 Product benchmarking
- 8.1.6 LTX-Credence Corporation (Xcerra Corporation)
 - 8.1.6.1 Company overview
 - 8.1.6.2 Financial Performance
 - 8.1.6.3 Product benchmarking
- 8.1.7 Teradyne Inc.
 - 8.1.7.1 Company overview
 - 8.1.7.2 Financial Performance
 - 8.1.7.3 Product benchmarking
 - 8.1.7.4 Recent developments
- 8.1.8 STAr Technologies Inc. (A subsidiary of Innotech Corporation)
 - 8.1.8.1 Company overview
 - 8.1.8.2 Product benchmarking
- 8.1.9 Tesec Corporation
 - 8.1.9.1 Company overview
 - 8.1.9.2 Product benchmarking
- 8.1.10 Roos Instruments, Inc.
 - 8.1.10.1 Company overview
 - 8.1.10.2 Product benchmarking
- 8.1.11 Marvin Test Solutions Inc.
 - 8.1.11.1 Company overview
 - 8.1.11.2 Product benchmarking
 - 8.1.11.3 Recent developments
- 8.1.12 Danaher Corporation
 - 8.1.12.1 Company overview
 - 8.1.12.2 Financial Performance
 - 8.1.12.3 Product benchmarking

List Of Tables

LIST OF TABLES

- TABLE 1 Automated Test Equipment- Industry snapshot & critical success factor, 2017 - 2028
- TABLE 2 Global Automated Test Equipment market, 2017 - 2028 (USD Million)
- TABLE 3 Global Automated Test Equipment market estimates and forecasts by Product, 2017 - 2028 (USD Million)
- TABLE 4 Global Automated Test Equipment market estimates and forecasts by Vertical, 2017 - 2028 (USD Million)
- TABLE 5 Global Automated Test Equipment market estimates and forecasts by region, 2017 - 2028 (USD Million)
- TABLE 6 Global Non-Memory ATE market, 2017 - 2028 (USD Million)
- TABLE 7 Global Non-Memory ATE market by region, 2017 - 2028 (USD million)
- TABLE 8 Global Memory ATE market, 2017 - 2028 (USD million)
- TABLE 9 Global Memory ATE market by region, 2017 - 2028 (USD million)
- TABLE 10 Global Discrete ATE market, 2017 - 2028 (USD million)
- TABLE 11 Global Discrete ATE market by region, 2017 - 2028 (USD million)
- TABLE 12 Global Automotive market, 2017 - 2028 (USD million)
- TABLE 13 Global Automotive market by region, 2017 - 2028 (USD million)
- TABLE 14 Global Consumer market, 2017 - 2028 (USD million)
- TABLE 15 Global Consumer market by region, 2017 - 2028 (USD million)
- TABLE 16 Global Aerospace & Defense market, 2017 - 2028 (USD million)
- TABLE 17 Global Aerospace & Defence market by region, 2017 - 2028 (USD million)
- TABLE 18 Global IT & Telecommunication market, 2017 - 2028 (USD million)
- TABLE 19 Global IT & Telecommunication market by region, 2017 - 2028 (USD million)
- TABLE 20 Global Others market, 2017 - 2028 (USD million)
- TABLE 21 Global Others market by region, 2017 - 2028 (USD million)
- TABLE 22 North America Automated Test Equipment market, 2017 - 2028 (USD million)
- TABLE 23 North America Automated Test Equipment market by product, 2017 - 2028 (USD million)
- TABLE 24 North America Automated Test Equipment market by vertical, 2017 - 2028 (USD million)
- TABLE 25 U.S. Automated Test Equipment market, 2017 - 2028 (USD million)
- TABLE 26 U.S. Automated Test Equipment market by product, 2017 - 2028 (USD million)
- TABLE 27 U.S. Automated Test Equipment market by vertical, 2017 - 2028 (USD

million)

TABLE 28 Canada Automated Test Equipment market, 2017 - 2028 (USD million)

TABLE 29 Canada Automated Test Equipment market by product, 2017 - 2028 (USD million)

TABLE 30 Canada Automated Test Equipment market by vertical, 2017 - 2028 (USD million)

TABLE 31 Mexico Automated Test Equipment market, 2017 - 2028 (USD million)

TABLE 32 Mexico Automated Test Equipment market by product, 2017 - 2028 (USD million)

TABLE 33 Mexico Automated Test Equipment market by vertical, 2017 - 2028 (USD million)

TABLE 34 Europe Automated Test Equipment market, 2017 - 2028 (USD Million)

TABLE 35 Europe Automated Test Equipment market by product, 2017 - 2028 (USD Million)

TABLE 36 Europe Automated Test Equipment market by vertical, 2017 - 2028 (USD Million)

TABLE 37 U.K. Automated Test Equipment market, 2017 - 2028 (USD Million)

TABLE 38 U.K. Automated Test Equipment market by product, 2017 - 2028 (USD Million)

TABLE 39 U.K. Automated Test Equipment market by vertical, 2017 - 2028 (USD Million)

TABLE 40 Germany Automated Test Equipment market, 2017 - 2028 (USD Million)

TABLE 41 Germany Automated Test Equipment market by product, 2017 - 2028 (USD Million)

TABLE 42 Germany Automated Test Equipment market by vertical, 2017 - 2028 (USD Million)

TABLE 43 Asia Pacific Automated Test Equipment market, 2017 - 2028 (USD million)

TABLE 44 Asia Pacific Automated Test Equipment market by product, 2017 - 2028 (USD million)

TABLE 45 Asia Pacific Automated Test Equipment market by vertical, 2017 - 2028 (USD million)

TABLE 46 China Automated Test Equipment market, 2017 - 2028 (USD million)

TABLE 47 China Automated Test Equipment market by product, 2017 - 2028 (USD million)

TABLE 48 China Automated Test Equipment market by vertical, 2017 - 2028 (USD million)

TABLE 49 Japan Automated Test Equipment market, 2017 - 2028 (USD million)

TABLE 50 Japan Automated Test Equipment market by product, 2017 - 2028 (USD million)

TABLE 51 Japan Automated Test Equipment market by vertical, 2017 - 2028 (USD million)

TABLE 52 South Korea Automated Test Equipment market, 2017 - 2028 (USD million)

TABLE 53 South Korea Automated Test Equipment market by product, 2017 - 2028 (USD million)

TABLE 54 South Korea Automated Test Equipment market by vertical, 2017 - 2028 (USD million)

TABLE 55 Taiwan Automated Test Equipment market, 2017 - 2028 (USD million)

TABLE 56 Taiwan Automated Test Equipment market by product, 2017 - 2028 (USD million)

TABLE 57 Taiwan Automated Test Equipment market by vertical, 2017 - 2028 (USD million)

TABLE 58 Thailand Automated Test Equipment market, 2017 - 2028 (USD million)

TABLE 59 Thailand Automated Test Equipment market by product, 2017 - 2028 (USD million)

TABLE 60 Thailand Automated Test Equipment market by vertical, 2017 - 2028 (USD million)

TABLE 61 Singapore Automated Test Equipment market, 2017 - 2028 (USD million)

TABLE 62 Singapore Automated Test Equipment market by product, 2017 - 2028 (USD million)

TABLE 63 Singapore Automated Test Equipment market by vertical, 2017 - 2028 (USD million)

TABLE 64 Malaysia Automated Test Equipment market, 2017 - 2028 (USD million)

TABLE 65 Malaysia Automated Test Equipment market by product, 2017 - 2028 (USD million)

TABLE 66 Malaysia Automated Test Equipment market by vertical, 2017 - 2028 (USD million)

TABLE 67 South America Automated Test Equipment market, 2017 - 2028 (USD million)

TABLE 68 South America Automated Test Equipment market by product, 2017 - 2028 (USD million)

TABLE 69 South America Automated Test Equipment market by vertical, 2017 - 2028 (USD million)

TABLE 70 Brazil Automated Test Equipment market, 2017 - 2028 (USD million)

TABLE 71 Brazil Automated Test Equipment market by product, 2017 - 2028 (USD million)

TABLE 72 Brazil Automated Test Equipment market by vertical, 2017 - 2028 (USD million)

TABLE 73 MEA Automated Test Equipment market, 2017 - 2028 (USD million)

TABLE 74 MEA Automated Test Equipment market by product, 2017 - 2028 (USD million)

TABLE 75 MEA Automated Test Equipment market by vertical, 2017 - 2028 (USD million)

List Of Figures

LIST OF FIGURES

- FIG. 1 Market segmentation
- FIG. 2 Automated Test Equipment market size and growth prospects (USD Million)
- FIG. 3 Overview
- FIG. 4 Automated Test Equipment - Supply Chain
- FIG. 5 Automated Test Equipment - Product Cycle
- FIG. 6 Market dynamics
- FIG. 7 Penetration & growth prospect mapping
- FIG. 8 Porter's five forces analysis
- FIG. 9 Automated Test Equipment-PEST analysis
- FIG. 10 Market Positioning - Key Companies
- FIG. 11 Market Positioning - Key Companies
- FIG. 12 Automated Test Equipment market: Product movement analysis
- FIG. 13 Automated Test Equipment market: Vertical movement analysis
- FIG. 14 Regional marketplace: Key takeaways
- FIG. 15 Regional outlook, 2020 & 2028
- FIG. 16 North America market place: Key takeaways
- FIG. 17 Europe market place: Key takeaways
- FIG. 18 Asia Pacific market place: Key takeaways -
- FIG. 19 Asia Pacific market place: Key takeaways -
- FIG. 20 South America market place: Key takeaways
- FIG. 21 MEA market place: Key takeaways
- FIG. 22 Regional revenue of Aemulus
- FIG. 23 SWOT analysis of Aemulus
- FIG. 24 SWOT analysis Chroma ATE
- FIG. 25 SWOT analysis of Cobham plc
- FIG. 26 SWOT analysis for Astronics Corporation
- FIG. 27 SWOT analysis for Advantest Corporation
- FIG. 28 SWOT analysis - LTX Credence Corporation
- FIG. 29 SWOT analysis - Teradyne Inc

I would like to order

Product name: Automated Test Equipment Market Size, Share & Trends Analysis Report By Product (Non-memory, Memory, Discrete), By Vertical (Automotive, Aerospace & Defense, IT & Telecom), By Region, And Segment Forecasts, 2021 - 2028

Product link: <https://marketpublishers.com/r/AEDEB81CC7BEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AEDEB81CC7BEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970