Semiconductor Automated Test Equipment (ATE) - Global Strategic Business Report

Description: The report provides separate comprehensive analytics for the US, Japan, Europe, China, South Korea, Taiwan, and Rest of World. Annual estimates and forecasts are provided for the period 2015 through 2022. Also, a six-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs.

This report analyzes the worldwide markets for Semiconductor Automated Test Equipment (ATE) in terms of spending (US$) for the following Application Areas: Consumer Electronics, Telecom & IT, and Others. The Global market is further analyzed by the following Product Types: Memory, Non-Memory, and Others. Components analyzed for the global market include Contactors, Testers, and Others.

The report profiles 35 companies including many key and niche players such as -

- Advantest Corporation
- Cobham Plc
- Lorlin Test Systems, Inc.
- Astronics Test Systems, Inc.
- Chroma ATE Inc.

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## Automated Test Equipment (ATE)

**Components of an ATE**
- Testers
- Handler or Prober
- Contactor
- Interface Boards
- Mass Interconnect
- Controller
- Industrial PC
- Software Component

**Types of Testing Methods**
- Applications of ATE
- Benefits of Automated Testing
- Disadvantages of Automated Testing

## Product Innovations/Introduction

- Advantest Introduces EVA100 Digital Solution
- Advantest Introduces New High-Speed TS851 Semiconductor Memory Tester
- Advantest to Showcase TS9000 MTA, and NEW TDR Terahertz Analysis Systems for Advanced ICs
- Advantest to Display Latest Semiconductor T&M and Nanotechnology Solutions at SEMICON Europa in Germany
- Advantest Launches HSM16G Test Card
- inTEST Thermal Solutions Introduces Benchtop Systems for IC Temperature Testing
- Teradyne to Display Integrated Lab and Production Testing Solutions at SEMICON China
- Marvin Test Solutions Introduces TS-960 Bringing Semiconductor Testing Platform
- Advantest Launches New Parametric Measurement Module for Enhancing SoC Testing Capabilities of T2000 Platform
- Advantest Launches Sophisticated Tester for Display Driver Semiconductors Used in High-Resolution LCD Panels
- STAr Technologies Introduces Hybrid ATE for Testing 3D ICs
NI Announces PXI-Based Test Systems
Advantest Introduces New T2000 1.6GDM Digital Module for Testing SoC Devices on T2000 Test Platform
Advantest Introduces New DPS128HV Module
Advantest Launches Two Test Modules for Advanced RF Based ICs

4. RECENT INDUSTRY ACTIVITY
aps Solutions and Mechanical Devices Ltd. Enter into a Distributor & Service Agreement
NI Partners with Astronics for Strengthening Traditional Aerospace and Defense Test Systems
NCIA Enters into MoU with Fabtronic & Advantest for a New Chip Test Lab
Advantest Delivers 4000th V93000 Semiconductor Test Solution to Ardentec
Advantest Receives First Order from Shanghai Haier IC for V93000 Semiconductor Test System
Boston Semi Equipment Combines All of its ATE Businesses to Create Largest Independent ATE Organization
Boston Semi Equipment to Take Up Direct Sales & Service for Aetrium Handlers in Asia
Aemulus to Produce RF Semiconductor Tester
Unsim Choses J750-LitePoint for Testing Wireless Connectivity Semiconductor Devices

5. FOCUS ON SELECT GLOBAL PLAYERS
Advantest Corporation (Japan)
Cobham Plc (UK)
Lorlin Test Systems, Inc. (US)
Astronics Test Systems, Inc. (US)
Chroma ATE Inc. (Taiwan)
CREA (Collaudi Elettronici Automatizzati S.r.l.) (Italy)
LTX-Credence Corporation (US)
Marvin Test Solutions, Inc. (US)
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IV. COMPETITIVE LANDSCAPE
Total Companies Profiled: 35 (including Divisions/Subsidiaries 40)
The United States (23)
Canada (1)
Japan (4)
Europe (8)
- France (1)
- Germany (1)
- The United Kingdom (2)
- Italy (3)
- Rest of Europe (1)
Asia-Pacific (Excluding Japan) (4)

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