

Growth of Consumer Electronics Market: Key Driver Transforming Outsourced Semiconductor Assembly And Testing Market 2024

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Outsourced Semiconductor Assembly And Testing Global Market Report 2024 - Market Size, Trends, And Global Forecast 2024-2033

The outsourced semiconductor assembly and testing market is expected to expand rapidly, increasing from \$39.51 billion in 2023 to \$43.56 billion in 2024, with a CAGR of 10.2%. Growth can be attributed to the rising demand for integrated circuits, semiconductor miniaturization, cost efficiency, consumer electronics growth, and regulatory compliance.



The outsourced semiconductor assembly and testing market size is expected to see growth in the next few years. It will grow to \$63.46 billion in 2028 at a compound annual growth rate (CAGR) of 9.9%.”

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What Is the Estimated Growth Rate and Market Size of [the Global Outsourced Semiconductor Assembly And Testing Market?](#)

The market is anticipated to grow robustly, reaching \$63.46 billion by 2028 at a CAGR of 9.9%. The forecasted growth is fueled by demand from the automotive industry, cybersecurity, global supply chains, outsourced manufacturing, and environmental regulations. Emerging trends include 3D IC technology, 5G advancements, AI and machine learning, high-performance computing, and

advanced packaging.

Access Key Market Data and Trends with a Free Sample Report on the Global Outsourced Semiconductor Assembly And Testing Market:

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What Are The Significant Drivers Behind The Growth Of The Outsourced Semiconductor Assembly And Testing Market?

The growing consumer electronics market is expected to boost the market. Factors like higher disposable incomes, changing lifestyles, and more affordable electronics contribute to this growth. According to the Japan Electronics and Information Technology Industries Association, Japan's electronic equipment production reached \$6.7 billion in May 2023, reflecting a rise in demand for consumer electronics and subsequently driving the semiconductor assembly and testing market.

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Which Top Companies Are Shaping The Growth Of The Outsourced Semiconductor Assembly And Testing Market?

Major companies operating in the market include Advanced Semiconductor Engineering Inc., Amkor Technology Inc., Jiangsu Changjiang Electronics Tech Co. Ltd., King Yuan Electronics Co. Ltd., Alphacore Inc., Device Engineering Inc., HMT microelectronic AG, Luminar Technologies Inc., Presto Engineering Group, Sencio BV, ShortLink AB, SiFive Inc., Powertech Technology Inc., Tianshui Huatian Technology Co. Ltd., Nantong Fujitsu Microelectronics Co. Ltd., UTAC Holdings Ltd., Chipbond Technology Corporation, ChipMOS Technologies Inc., Huatian Technology Sdn. Bhd., Walton Advanced Engineering Inc., Signetics Corporation, Hana Micron Inc., NEPES Corporation, Sunrise Memory Corp., Tongfu Microelectronics Co. Ltd., Integrated Microelectronics Inc., Formosa Advanced Technologies Co Ltd., Lingsen Precision Industries Ltd., Shenzhen CPET Electronics Co. Ltd., Bharat Electronics Limited

Which Emerging Trends Are Reshaping the Outsourced Semiconductor Assembly And Testing Market Size?

Companies in the market are increasing profitability through investments. OSAT investments help semiconductor companies improve production efficiency, reduce costs, and enhance overall manufacturing capabilities. For instance, in October 2023, Kaynes Technology, an India-based electronics manufacturer, announced a Rs 2,800 crore (\$37.84 million) investment to establish a compound semiconductor and OSAT production facility in Telangana, India. This move aims to strengthen Telangana's position as a key hub for the semiconductor industry, supporting various device package types for global customers.

What Are The [Segments In The Global Outsourced Semiconductor Assembly And Testing Market?](#)

The outsourced semiconductor assembly and testing market covered in this report is segmented

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- 1) By Type: Test Service, Assembly Service
- 2) By Process: Sawing, Sorting, Testing, Assembly
- 3) By Packaging Type: Ball Grid Array, Chip Scale Package, Multi Package, Stacked Die, Quad And Dual
- 4) By Application: Communication, Consumer Electronics, Computing And Networking, Automotive, Industrial, Other Applications

Asia-Pacific: Largest Region in the Outsourced Semiconductor Assembly And Testing Market

Asia-Pacific was the largest region in the market in 2023. The regions covered in the market report include Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East and Africa.

Outsourced Semiconductor Assembly And Testing Market Definition

The outsourced semiconductor assembly and testing refer to a third-party service comprising semiconductor assembly, packaging, and testing of ICs (integrated circuits). The outsourced semiconductor assembly and testing (OSAT) services are offered by vendors/suppliers that are contracted by semiconductor design companies.

The Outsourced Semiconductor Assembly And Testing Global Market Report 2024 from The Business Research Company includes the following key information:

- Market size data for both historical and future periods
- Analysis of both macro and microeconomic factors that have impacted the market over the past five years
- Regional market analysis covering Asia-Pacific, China, Western Europe, Eastern Europe, North America, the USA, South America, and the Middle East and Africa
- Country-specific market analysis for Australia, Brazil, China, France, Germany, India, Indonesia, Japan, Russia, South Korea, the UK, and the USA.

Overview of the Global Outsourced Semiconductor Assembly And Testing Market Report: Trends, Opportunities, Strategies, and More

The Outsourced Semiconductor Assembly And Testing Global Market Report 2024 from The Business Research Company is an extensive resource that delivers insights into outsourced semiconductor assembly and testing market size, outsourced semiconductor assembly and testing market drivers and trends, outsourced semiconductor assembly and testing market major players, outsourced semiconductor assembly and testing competitors' revenues, outsourced semiconductor assembly and testing market positioning, and outsourced semiconductor assembly and testing market growth across geographies. This report provides valuable in-depth insights into potential opportunities and strategies. Companies can utilize the information presented to target segments with the greatest growth potential.

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Oliver Guirdham

The Business Research Company

+44 20 7193 0708

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