

# Outsourced Semiconductor Assembly and Testing Market: Trends, Opportunities and Competitive Analysis [2023-

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## Abstracts

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### Outsourced Semiconductor Assembly and Testing Market Trends and Forecast

The future of the global outsourced semiconductor assembly and testing (OSAT) market looks promising with opportunities in the automotive, telecommunication, computing & networking, consumer electronic, and industrial industries. The global outsourced semiconductor assembly and testing market is expected to reach an estimated \$36.8 billion by 2028 with a CAGR of 6.3% from 2023 to 2028. The major drivers for this market are increasing semiconductor content within electronics products to provide greater functionality and higher levels of performance, growth in demand for smartphones and internet connected devices, and increasing electronic content in automotive for safety, navigation, fuel efficiency, emission reduction, and entertainment system.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown below.

### Outsourced Semiconductor Assembly and Testing Market (OSAT) by Segment

The study includes a forecast for the global outsourced semiconductor assembly and testing market by service type, packaging type, application, and region, as follows:

OSAT Market by Service Type [Value (\$B) Shipment Analysis from 2017 to 2028]:

Assembly & Packaging

Testing

OSAT Market by Packaging Type [Value (\$B) Shipment Analysis from 2017 to 2028]:

Wire Bond

Flip Chip

Wafer Level

Others

OSAT Market by Application [Value (\$B) Shipment Analysis from 2017 to 2028]:

Automotive

Telecommunications

Computing & Networking

Consumer Electronics

Industrial

OSAT Market by Region [Value (\$B) Shipment Analysis from 2017 to 2028]:

North America

Europe

Asia Pacific

The Rest of the World

## List of Outsourced Semiconductor Assembly and Testing (OSAT) Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies outsourced semiconductor assembly and testing companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the outsourced semiconductor assembly and testing companies profiled in this report includes.

Advanced Semiconductor

Amkor

Jiangsu Changjiang Electronics Technology

Siliconware Precision Industries

PTI (Powertech Technology Inc.)

United test and assembly center

King Yuan Electronics

ChipMOS

## OSAT Market Insights

Lucintel forecast that assembly & packaging will remain the largest segment over the forecast period due to growing demand for telecom infrastructure and electronic products across the globe.

Within this market, consumer electronics segment is projected to record the highest growth due to growing acceptance of 5G technologies and increasing consumption of smart televisions, tablets, and smartphones.

Asia Pacific is expected to witness the highest growth during the forecast period

due to growing adoption of IoT (internet of things), increasing electronic content per vehicle, and growing industrial automation in countries, such as China, Taiwan, and India.

## Features of the OSAT Market

**Market Size Estimates:** Outsourced semiconductor assembly and testing market size estimation in terms of value (\$B)

**Trend And Forecast Analysis:** Market trends (2017-2022) and forecast (2023-2028) by various segments and regions.

**Segmentation Analysis:** Outsourced semiconductor assembly and testing market size by various segments, such as by service type, packaging type, application, and region

**Regional Analysis:** Outsourced semiconductor assembly and testing market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

**Growth Opportunities:** Analysis on growth opportunities in different by service type, packaging type, application, and regions for the outsourced semiconductor assembly and testing market.

**Strategic Analysis:** This includes M&A, new product development, and competitive landscape for the outsourced semiconductor assembly and testing market.

**Analysis of competitive intensity of the industry based on Porter's Five Forces model.**

## FAQ

Q1. What is the outsourced semiconductor assembly and testing (OSAT) market size?

Answer: The global outsourced semiconductor assembly and testing (OSAT) market is expected to reach an estimated \$36.8 billion by 2028.

Q2. What is the growth forecast for the OSAT market?

Answer: The global outsourced semiconductor assembly and testing market is expected to grow with a CAGR of 6.3% from 2023 to 2028.

Q3. What are the major drivers influencing the growth of the OSAT market?

Answer: The major drivers for this market are increasing semiconductor content within electronics products to provide greater functionality and higher levels of performance, growth in demand for smartphones and internet connected devices, and increasing electronic content in automotive for safety, navigation, fuel efficiency, emission reduction, and entertainment system.

Q4. What are the major segments for OSAT market?

Answer: The future of the outsourced semiconductor assembly and testing market looks promising with opportunities in the automotive, telecommunication, computing & networking, consumer electronic, and industrial application industries.

Q5. Who are the key outsourced semiconductor assembly and testing companies?

Answer: Some of the key outsourced semiconductor assembly and testing companies are as follows:

Advanced Semiconductor

Amkor

Jiangsu Changjiang Electronics Technology

Siliconware Precision Industries

PTI (Powertech Technology Inc.)

United test and assembly center

King Yuan Electronics

ChipMOS

Q6. Which OSAT segment will be the largest in future?

Answer: Lucintel forecast that assembly & packaging will remain the largest segment over the forecast period due to growing demand for telecom infrastructure and electronic products across the globe.

Q7. In outsourced semiconductor assembly and testing market, which region is expected to be the largest in next 5 years?

Answer: Asia Pacific is expected to witness the highest growth during the forecast period due to growing adoption of IoT (internet of things), increasing electronic content per vehicle, and growing industrial automation in countries, such as China, Taiwan, and India.

Q8. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1. What are some of the most promising, high-growth opportunities for the global outsourced semiconductor assembly and testing market by service type (assembly & packaging and testing), packaging type (wire bond, flip chip, wafer level, and others), application (automotive, telecommunications, computing & networking, consumer electronics, and industrial), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to outsourced semiconductor assembly and testing market or related to outsourced semiconductor assembly and testing companies, outsourced semiconductor assembly and testing market size, outsourced semiconductor assembly and testing market share, outsourced semiconductor assembly and testing analysis, write Lucintel analyst at email: [helpdesk@lucintel.com](mailto:helpdesk@lucintel.com) we will be glad to get back to you soon.

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