

# Semiconductor Contract Manufacturing Market 2025-2029: Unveiling Growth Developments with the Latest Updates

*The Business Research Company's  
Semiconductor Contract Manufacturing  
Global Market Report 2025 – Market Size,  
Trends, And Forecast 2025-2034*

LONDON, GREATER LONDON, UNITED  
KINGDOM, December 3, 2025

/EINPresswire.com/ -- What Is The  
Expected Cagr For The [Semiconductor  
Contract Manufacturing Market](#) Through 2025?

There has been a robust growth in the size of the semiconductor contract manufacturing market in the past few years. In terms of figures, it is projected to expand from \$120.31 billion in 2024 to \$131.18 billion in 2025, boasting a compound annual growth rate (CAGR) of 9.0%. This escalation

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in the historic duration can be traced back to several reasons, including an amplified global need for electric vehicles, an emerging trend of subcontracting semiconductor manufacturing, a mounting requirement for suppleness in supply chain, an increasing inclination towards state-of-the-art packaging and assembly solutions, and a growing demand for memory and storage devices.

In the upcoming years, the semiconductor contract manufacturing market is anticipated to witness robust growth, with an estimated value of \$183.06 billion by 2029, marking a compound annual growth rate (CAGR) of 8.7%.

This growth trajectory during the forecast period results from the rising demand for sophisticated semiconductors, enhanced investment in fabless semiconductor corporations, escalating complexity in semiconductor design, growing need for compact and superior-performance chips, and an upward trend for economical manufacturing solutions. Noteworthy trends to watch out for during the forecast period encompass advancements in wafer-level packaging technologies, high-level automation in semiconductor fabrication, cutting-edge energy-efficient chip manufacturing, the incorporation of artificial intelligence into production

protocols, and forward strides in flexible and wearable semiconductor applications.

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What Are The Driving Factors Impacting The Semiconductor Contract Manufacturing Market?

The anticipated upsurge in consumer electronics demand is set to fuel the semiconductor contract manufacturing market's expansion. Consumer electronics refer to everyday personal and household electronic gadgets and devices. The escalating consumer electronics demand is attributed to the swift technological enhancements that render devices more feature-rich, convenient, and potent. Semiconductor contract manufacturing contributes to consumer electronics by generating customized, high-quality chips on a large scale, thereby expediting innovation and providing cost-effective device production like smartphones, laptops, and televisions. For example, the Japan Electronics and Information Technology Industries Association, a trade organization based in Japan, reported that Japan's electronic equipment output in May 2023 was 771,457 units. The production of consumer electronics reached 32,099 units, marking a 13% increase compared to the previous year. Consequently, the rising demand for consumer electronics fuels the growth trajectory of the semiconductor contract manufacturing market.

Which Players Dominate The [Semiconductor Contract Manufacturing Industry Landscape](#)?

Major players in the Semiconductor Contract Manufacturing Global Market Report 2025 include:

- Samsung Electronics Co. Ltd.
- Taiwan Semiconductor Manufacturing Company Limited
- Intel Corporation Foundry Services
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- GlobalFoundries Inc.
- United Microelectronics Corporation
- Semiconductor Manufacturing International Corporation
- Hua Hong Semiconductor Limited
- Tower Semiconductor Ltd.
- Powerchip Semiconductor Manufacturing Corp.

What Are The Future Trends Of The Semiconductor Contract Manufacturing Market?

Leading firms in the semiconductor contract manufacturing sector are concentrating on innovative advancements such as the 18A process node to improve chip efficiency, energy conservation, and scalability of production for future electronic gadgets. The 18A process node is an advanced manufacturing technology in semiconductors with a transistor size of approximately 1.8 nm, enabling the creation of smaller, quicker, and more energy-efficient chips. In February 2024, for instance, Intel Corporation, a US-based company gauged in semiconductor manufacturing, introduced the Intel Foundry, the first systems foundry globally created for the AI era. Through this move, Intel paves its way as a notable contender in semiconductor contract

manufacturing, offering external customers comprehensive end-to-end manufacturing services utilizing advanced nodes like 18A. The ultimate goal is to ensure a robust and sustainable supply chain, expedite the time-to-market, and facilitate the production of high-performance, energy-efficient chips across diverse industries.

## Global Semiconductor Contract Manufacturing Market Segmentation By Type, Application, And Region

The semiconductor contract manufacturing market covered in this report is segmented –

- 1) By Component: Memory Devices, Logic Devices, Analog Integrated Circuit, Microprocessor Unit, Discrete Power Devices, Microcontroller Unit, Sensors, Other Components
- 2) By Technology: Wafer Fabrication, Assembly and Packaging, Testing Services, Design Services
- 3) By Material: Silicon, Gallium Nitride (GaN), Silicon Carbide (SiC), Other Materials
- 4) By Business Model: Original Equipment Manufacturers (OEMs), Original Design Manufacturers (ODMs), Foundry Services
- 5) By Application: Consumer Electronics, Automotive, Telecommunications, Industrial Equipment, Healthcare

### Subsegments:

- 1) By Memory Devices: Dynamic Random Access Memory, Flash Memory, Static Random Access Memory
- 2) By Logic Devices: Field Programmable Gate Array, Complex Programmable Logic Device, Application Specific Integrated Circuit
- 3) By Analog Integrated Circuit: Operational Amplifiers, Voltage Regulators, Data Converters
- 4) By Microprocessor Unit: General Purpose Microprocessor Unit, Application Specific Microprocessor Unit
- 5) By Discrete Power Devices: Diodes, Thyristors, Transistors
- 6) By Microcontroller Unit: 8 Bit Microcontroller Unit, 16 Bit Microcontroller Unit, 32 Bit Microcontroller Unit
- 7) By Sensors: Temperature Sensors, Motion Sensors, Pressure Sensors
- 8) By Other Components: Optoelectronics, Micro Electro Mechanical Systems, Radio Frequency Devices

View the full semiconductor contract manufacturing market report:

<https://www.thebusinessresearchcompany.com/report/semiconductor-contract-manufacturing-global-market-report>

## Which Region Holds The Largest Market Share In The Semiconductor Contract Manufacturing Market?

The Semiconductor Contract Manufacturing Global Market Report 2025 marked Asia-Pacific as the leading region for the respective year and projected it to have the quickest growth rate in the forecast period. The report includes market analysis for the following regions: Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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