

300mm

FAB OUTLOOK

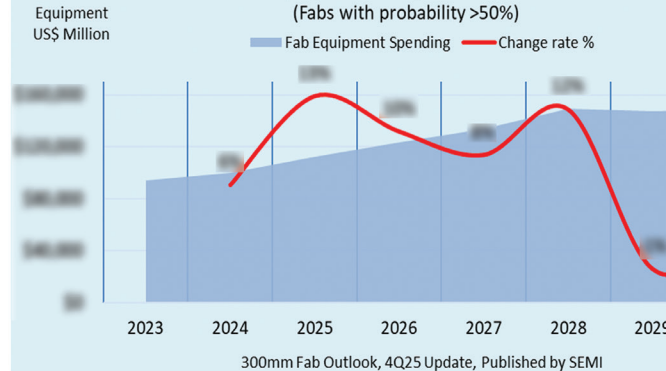
FORECASTS • CAPACITIES • INVESTMENTS

GLOBAL OUTLOOK ON MEMORY,
FOUNDRY/LOGIC, OPTO, ANALOG,
AND POWER: 7-YEAR FORECAST

The Global 300mm Fabs Report offers an in-depth analysis and forecast of investment trends in the 300mm semiconductor fab sector. As artificial intelligence, high-performance computing, and automotive applications expand, demand for **advanced logic and memory chips** is driving substantial investments in these fabs. With adoption of wireless and ubiquitous computing technologies, increased government incentives and regional supply chain diversification, fab constructions are accelerating, particularly in North America, Europe, and Asia. This **shift towards energy-efficient and high-density semiconductor devices** underscores the critical need for sustained growth in 300mm wafer production.

This report monitors **400+ 300mm fabs and production lines** globally, detailing **80+ companies and organizations**. It outlines the past, present, and future investment landscape for 300mm semiconductor fabs, enabling precise planning over the next 5 years and informed strategic decision-making across the semiconductor ecosystem.

300mm Equipment Spending - Extended (Fabs with probability >50%)



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BENEFITS

- Comprehensive Intelligence**
 Exclusive insights into 300mm fab investments and the latest tech trends to grow in your industry.
- Enhanced Decision-Making**
 Accurate data for informed decisions, optimized supply chains & risk mitigation in a dynamic market.
- Global Coverage**
 Monitor new fab projects and investments across major markets like China, Taiwan, South Korea, the U.S., and Europe.
- Real-Time Industry Updates**
 Stay informed of fab status changes and tech developments shaping the future of the semiconductor industry.

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METHODOLOGY

Direct interviews with semiconductor executives and on-site visits to manufacturing facilities. Continuous tracking of financial reports, press releases, government policies, and industry news.

Leverage advanced modeling techniques to verify & analyze trends in fab investments and capacity related to chip demands. Incorporates macro-level semiconductor indicators, global market trends, silicon demand patterns, and end-market forecasts. Calibrated based on company expansions and regional initiatives to capture industry developments.

REPORT HIGHLIGHTS

- **Detailed, Comprehensive Data**
6 years of bottom-up quarterly data with 2 years of historical and 4 years of forward-looking. Additional 2-year high-level forecast for long term planning.
- **In-Depth Analysis**
High-level summaries, detailed tables, and graphical representations for easier data interpretation.
- **Investment & Capacity Monitoring**
Tracking of fab construction and fab equipment investments to assess market dynamics.
- **Installed Capacity**
Measured in wafers per month, covering all sectors of the semiconductor industry including memory, foundry, logic, and power device sectors.
- **Precise Fab Tracking**
Updates on new fab announcements, ongoing construction, equipment installations, volume production, and product changes.
- **Industry Trend Analysis**
Examination of trends impacting 300mm fab expansions, including technological advancements and regional developments.

SEMI FAB DATABASE REPORTS AT A GLANCE

REPORT OPTIONS	300MM FAB OUTLOOK	200MM FAB OUTLOOK	WORLD FAB FORECAST	FABVIEW
Wafer Size	300mm	200mm	All Wafer Sizes	All Wafer Sizes
Product Platforms	Excel data file	Excel data file	Excel data file	Website Database
Data Coverage	8 years	8 years	3 years	3 years
Updated Frequency	Quarterly	Quarterly	Quarterly	Daily



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SAMPLE
REPORT**

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APPLICABLE TO: Semiconductor manufacturing equipment and materials suppliers, IDMs, foundries, fabless companies, EDA companies, semiconductor IP providers, market analysts, consulting firms, government agencies, investors, and financial institutions.

