

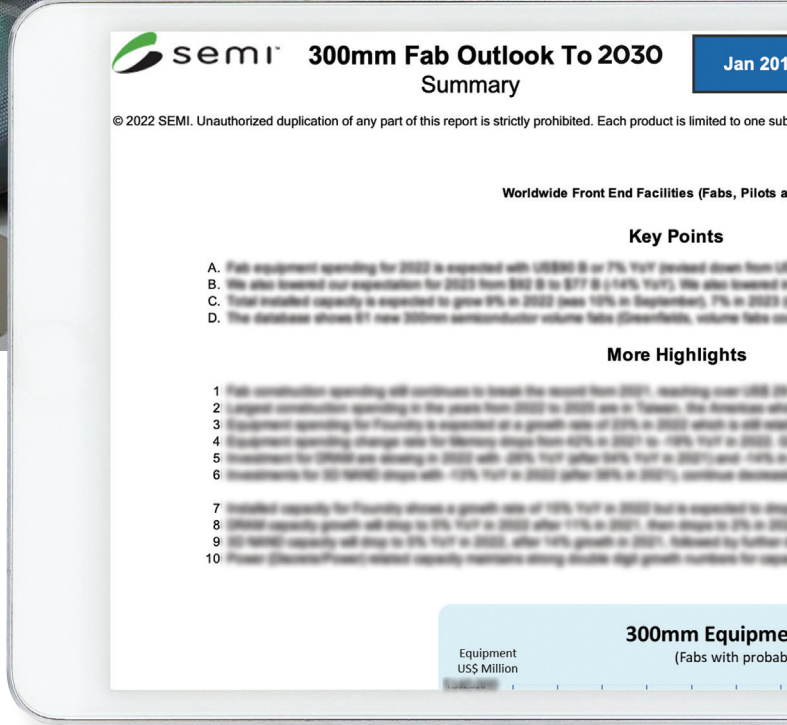
300mm FAB OUTLOOK

FORCASTS • CAPACITIES • INVESTMENTS

GLOBAL OUTLOOK TO 2030 FOR MEMORY, FOUNDRY/LOGIC, OPTO, ANALOG, AND POWER

The continued growth of artificial intelligence, high-performance computing, and automotive applications is fueling investment in 300mm fabs. Demand for advanced logic and memory chips, coupled with increasing adoption of wireless and ubiquitous computing technologies, is driving significant investment in advanced 300mm fabs. Additionally, government incentives and regional supply chain diversification efforts are influencing new fab constructions, particularly in North America, Europe, and Asia. The transition to more energy-efficient and high-density semiconductor devices further reinforces the need for sustained 300mm wafer production growth.

This report tracks more than 400 300mm fabs/lines worldwide, covering over 80 companies and organizations. It provides a comprehensive view of the current and future investment landscape for 300mm semiconductor fabs, supporting business planning through 2030



REQUEST A SAMPLE

REPORT HIGHLIGHTS

- Quarterly data from 2023–2028, plus high-level forecasts through 2030.
- Includes summaries, tables, and graphics for clear insights.
- Tracks fab construction, expansions, and equipment investments.
- Details 300mm installed capacity by wafer/month for memory, logic, analogic and others.
- Monitors fab status: new announcements, construction, equipment move-in, production, and product changes.



300mm

FAB OUTLOOK

METHODOLOGY

Combines direct industry interviews, on-site fab visits, and continuous monitoring of financials, press releases, and policies.

Data is validated and benchmarked against SEMI's data programs using advanced modeling.

Forecasts use a top-down approach, factoring in macro trends, silicon demand, regional initiatives, and company expansion plans for robust, industry-aligned projections.

2025 PRICING INFORMATION

	ONE-TIME PURCHASE MEMBER	ONE-TIME PURCHASE NON-MEMBER	SUBSCRIPTION MEMBER	SUBSCRIPTION NON-MEMBER
1 user	\$4,700	\$6,900	\$9,250	\$13,800
2-3 users	\$9,250	\$13,800	\$18,250	\$26,250
4+ users	\$23,100	\$33,600	\$46,500	\$68,000

SEMI FAB DATABASE PRODUCTS AT A GLANCE

PRODUCT 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	6 years	6 years	3 years	3 years
Forecast Data	To 2028	To 2028	To 2026	To 2026
Updated Frequency	Quarterly	Quarterly	Quarterly	Daily



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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.

MORE THAN ONE USER?

mktstats@semi.org

