

200mm

FAB OUTLOOK

FORECASTS • CAPACITIES • INVESTMENTS

GLOBAL OUTLOOK FOR 200MM SEMICONDUCTOR FABS

The resurgence in 200mm (8-inch) semiconductor fab investment is driven by ongoing demand for mature process nodes, particularly in key markets such as automotive electronics, industrial automation, consumer IoT, and mobile devices. These fabs are essential for producing power discrete components, analog ICs, MEMS, and sensors, as trends like vehicle electrification and factory automation increase demand for legacy-node components. Efforts to enhance supply chain resilience and regional policy support are prompting capacity expansions and new fab constructions.

This report tracks over 340 fabs globally, offering insights into the 200mm fab installed base, capacity trends, and forecasts through 2030. It serves as a vital resource for stakeholders involved in strategic planning, investment evaluation, and competitive benchmarking in the evolving semiconductor landscape.



200mm Fab Outlook To 2030 Summary and Highlights

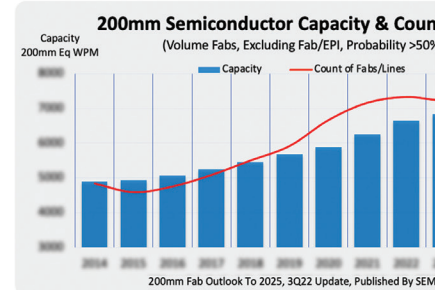
Jan 2024

© 2022 SEMI. Unauthorized duplication of any part of this report is strictly prohibited. Each product is limited to one subscriber only. M

Highlights

200mm fab activity is still strong in 2024 reaching record levels but expected to slow in 2025

1. From our last publication end of March 2024 to this one in September 1 2024, we made 75 updates on 53 fabs/lines including a
2. Fab equipment spending is expected to reach a new record of US\$ 5.7 billion in 2025. The report shows a decline in 2023 (+42%)
3. China is the region with largest equipment spending for 200mm fabs/lines with almost \$2.5 B in 2022 and \$1.2 B in 2023. Taiwan
4. Installed 200mm semiconductor Fab capacity (excluding EPI) is expected to reach a new record of 6.6 million wafers per month
5. From begin of 2022 to end of 2023, all regions are adding capacity: China is adding most capacity with 31%, followed by SE Asia
6. The industry is adding more 200mm fabs/lines. Excluding, EPI and R&D, 2021 had 210 volume fabs/lines and we expect all new



[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.
- Investment tracking: Covers construction and equipment investments.
- Details 200mm installed capacity by wafer/month for memory, logic, analog, discrete and others.
- Monitors fab status: new announcements, construction, equipment move-in, production, and product changes.

200mm

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	\$3,650	\$6,000	\$5,400	\$9,000
2-3 users	\$7,000	\$12,000	\$10,500	\$18,000
4+ users	\$18,100	\$31,000	\$27,000	\$45,000

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



ORDER
NOW

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

MORE THAN
ONE USER?

mktstats@semi.org