

200mm FAB OUTLOOK

FORCASTS • CAPACITIES • INVESTMENTS

WORLDWIDE BENCHMARK DATA FOR SEMICONDUCTORS, POWER, MEMS, AND SENSORS

Demand for 200 mm capacity has been on the rise, driven by growth in demand for mobile, automotive, and IoT (Internet of Things) applications. These applications, which do not require leading-edge manufacturing technologies, drive the need for devices including power, analog, MEMS, and sensors, and are breathing life into 200 mm manufacturing.

This report tracks more than 340 facilities worldwide and more than 160 companies and organizations from around the world. The report and accompanying data files give access to the latest comprehensive information the regarding installed base of 200 mm fab capacity, current and near-term market trends, and forecasts through the next four years.

This report provides insight to current business activity in 200 mm manufacturing and informs business planning and investment.





200mm Fab Outlook To 2025 Summary and Highlights

Jan 2023

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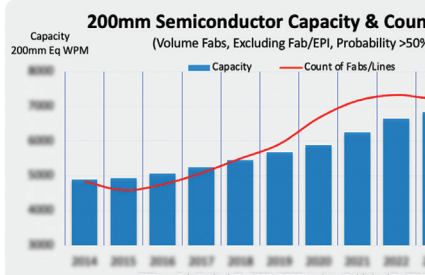
Highlights

200mm fab activity is still strong in 2022 reaching record levels but expected to slow in 2023

1. From our last publication end of March 2022 to this one in September 1 2022, 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 2022. The report shows a decline in 2023 (-42%)
3. China is the region with largest equipment spending for 200mm fab/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 2025, all regions are adding capacity: China is adding most capacity with 31%, followed by SE Asia
6. The industry is adding more 200mm fab/lines. Excluding, EPI and P&D, 2021 had 210 volume fab/lines and we expect all to be

200mm Semiconductor Capacity & Count

(Volume Fabs, Excluding Fab/EPI, Probability >50%)



200mm Fab Outlook To 2025, 3Q22 Update, Published By SEMI



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REPORT HIGHLIGHTS

- 12-year report by quarter, with a minimum four-year forecast
- High-level summaries, tables and graphs
- Investment in construction and equipment
- 200mm installed capacity (wafers per month)
- Fab status includes fab closures, transactions, new fabs, technology nodes, and products

BENEFITS

- Access credible data on active regions, including China
- Gain insight to the latest 200mm trends
- Improve investment and business planning
- Identify new market growth opportunities

200mm

FAB OUTLOOK

METHODOLOGY

Information about individual fab projects is updated regularly throughout the quarter by interviewing company executives, visiting companies, monitoring financial announcements, news releases and other important events throughout the year and then analyzing and modeling the data. Using a bottom-up approach looking at data, company-by-company and fab-by-fab, a dedicated team with more than 30 years of industry experience manages our data collection, verifies, and analyzes our data on a daily basis.

2023 PRICING INFORMATION – ONE-TIME PRUCHASE

	SEMI MEMBER	NON-MEMBER
1 user	\$3,350	\$5,400
2-3 users	\$6,400	\$10,750
4+ users- to Corporate License	\$16,500	\$27,500

SEMI FAB DATABASE PRODUCTS AT A GLANCE

PRODUCT OPTIONS	300MM FAB OUTLOOK	200MM FAB OUTLOOK	WORLD FAB FORECAST	FABVIEW
Wafer Size	300mm	200mm	200mm and 300mm	200mm and 300mm
Product Platforms	Excel data file	Excel data file	Excel data file	24x7 online live data
Data Coverage	12 years	12 years	3 years	3 years
Forecast Data	To 2026	To 2026	To 2024	To 2024
Updated Frequency	Quarterly	Bi-annually	Quarterly	Daily



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