

Q1. What is the GlobalWafers' outlook for the semiconductor wafer industry in 2H26 and 2027?

A: GlobalWafers sees a continued improving outlook for the global semiconductor market. AI and high-performance computing (HPC) remain the primary growth drivers, while the recovery is gradually broadening from advanced nodes to mature-node applications, such as industrial and power management. However, the pace of recovery continues to vary across products and end markets.

Over the medium to long term, AI applications are expected to expand from data centers to end devices and edge computing. Together with advances in high-bandwidth memory (HBM), advanced packaging and next-generation communications, these trends are expected to drive greater computing power, memory capacity and wafer content, providing structural support for semiconductor wafer demand.

As global supply chains continue to evolve, supply security, localized manufacturing, product traceability and low-carbon manufacturing are becoming increasingly important. GlobalWafers will remain flexible in responding to market and external changes.

Q2. What are the demand trends for 12-inch wafers and advanced nodes?

A: AI is increasingly integrated into work and everyday life and has become an important driver of digital transformation and productivity, supporting long-term structural growth. Continued expansion in AI, HPC, advanced logic and memory is driving strong demand for advanced 12-inch wafers and improving the overall semiconductor market outlook.

Except for new production lines still undergoing customer qualification and ramp-up, GlobalWafers' existing 12-inch wafer lines continue to operate at full utilization. As advanced nodes continue to evolve and applications such as HBM, silicon photonics and advanced packaging expand rapidly, requirements for wafer quality, specifications and manufacturing technologies are also increasing. These trends are expected to support long-term demand and higher product value.

Q3. How are mature-node and smaller-diameter wafer markets performing?

A: Demand for mature-node products continues to improve, with a more visible recovery in industrial and power management applications. Automotive demand is also improving steadily recovering as inventory levels gradually normalize. Although the pace of recovery varies across applications, customer inventories are returning to healthier levels, order visibility has improved compared with previous quarters, and overall demand continues to recover.

In terms of capacity utilization, 8-inch wafers lines remain at high utilization, while the recovery is gradually extending to 6-inch products. As demand for AI infrastructure continues to expand, its impact is also broadening beyond advanced-node applications to industrial automation, power management, energy infrastructure and other mature-node applications, supporting steady demand growth for smaller-diameter wafers.

Q4. What is the latest progress on GlobalWafers' global expansion?

A: GlobalWafers' global expansion projects are gradually entering the contribution phase. As major new and expanded capacities come online, the Company's focus is shifting from facility construction and equipment installation to customer qualification, production ramp-up and operational efficiency improvements.

Key projects across major locations in the United States, Europe, and Japan continue to advance. In Texas, GlobalWafers' new facility has completed qualification with multiple Tier-1 customers and recently received support through a long-term cooperation agreement and strategic funding from a key customer, further strengthening the local supply of advanced wafers in the United States. At the Missouri facility, new 12-inch SOI capacity continues to ramp up, with RF-SOI and silicon photonics products progressively entering mass production. In Italy, construction of the 12-inch production line has been completed, with customer qualification progressing smoothly and capacity utilization increasing steadily. In Japan, the newly added capacity at the Utsunomiya facility is now fully in place and operating at high utilization, with shipments reaching new highs in June 2026, the second quarter, and the first half of the year. As new capacity across major sites progressively enters mass production, GlobalWafers' global expansion investments are gradually translating into stronger earnings growth momentum.

Q5. How does the trend toward localized global supply chains affect GlobalWafers?

A: With growing demand for AI, HBM and advanced processes, together with geopolitical developments and global supply chain restructuring, customers are placing greater emphasis on supply assurance, regional manufacturing and operational resilience. Procurement decisions increasingly consider product traceability, low-carbon manufacturing capabilities and long-term partnerships.

GlobalWafers has manufacturing operations across Asia, the Americas and Europe, enabling the Company to support customers' regional capacity strategies with localized supply while enhancing supply flexibility through its global production network. The Company also continues to deepen long-term partnerships with key customers to improve demand visibility and supply chain stability.

Q6. What is the progress of GlobalWafers' high-value-added products?

A: With the rapid development of AI, high-speed computing, silicon photonics, advanced packaging and next-generation communications, GlobalWafers continues to expand its portfolio of high-value-added products, including silicon-on-insulator (SOI), gallium nitride (GaN), 12-inch silicon carbide (SiC) and square wafers. Most new facilities are designed to produce wafers with higher technological barriers, positioning the Company to capture future growth opportunities.

Silicon photonics is one of the fastest-growing emerging applications. GlobalWafers has built deep expertise SOI technology over many years and sees strong potential for SOI-based silicon photonics. SOI capacity at our Missouri site continues to ramp up and is expected to benefit from growing high-speed data transmission demand in AI data centers. AI also requires significant power management and power conversion capabilities. SiC and GaN are important materials for power management, power conversion and industrial applications, with strong long-term growth potential. GlobalWafers is expanding GaN capacity for high-efficiency power applications, while its 12-inch SiC products are progressing through customer qualification and may also support thermal management, advanced packaging and selected optical applications. Square wafers are also progressing in line with customer adoption and market demand. GlobalWafers will continue to capture emerging opportunities through technology development and product mix optimization.

Q7. How does advanced packaging affect wafer demand?

A: Advanced packaging has become an important technology for enhancing the performance of AI and HPC systems. As HBM stacking, multi-die integration and wafer bonding continue to advance, wafer content per system is increasing, while requirements for wafer quality and specifications are also becoming more stringent.

Advanced packaging therefore not only increases overall silicon content but also drives demand for high-specification and specialty wafers, further supporting the wafer industry's long-term growth and enhancing product value.

Q8. What are GlobalWafers' latest developments in sustainability and decarbonization?

A: GlobalWafers continues to integrate sustainability into its long-term business strategy by improving energy efficiency, expanding the use of renewable energy and deepening supply chain collaboration.

The Company's greenhouse gas reduction targets were officially validated by the Science Based Targets initiative (SBTi) this year, with its long-term goal of achieving net-zero emissions across the value chain by 2050. GlobalWafers has also continued to receive recognition for its climate management, sustainable supply chains and corporate governance performance, including an "A" rating in the CDP Supplier Engagement Assessment for two consecutive years, ranking in the top 5% of TPEX-listed companies in Taiwan's Corporate Governance Evaluation for eight consecutive years, and inclusion in the FTSE4Good Index Series for five consecutive years. Going forward, GlobalWafers will continue to advance low-carbon transformation, renewable energy adoption and value chain collaboration, strengthening both operational resilience and long-term sustainability competitiveness.