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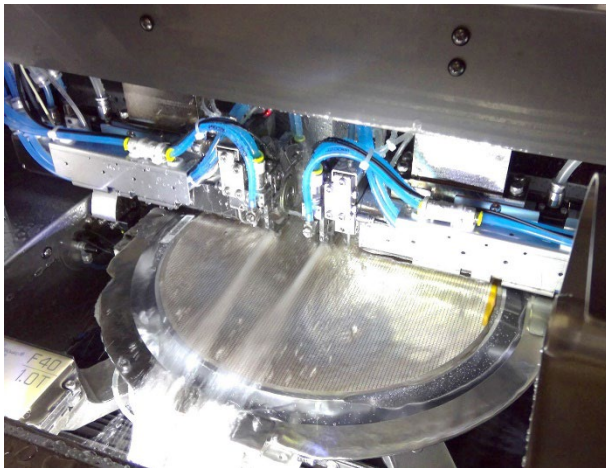
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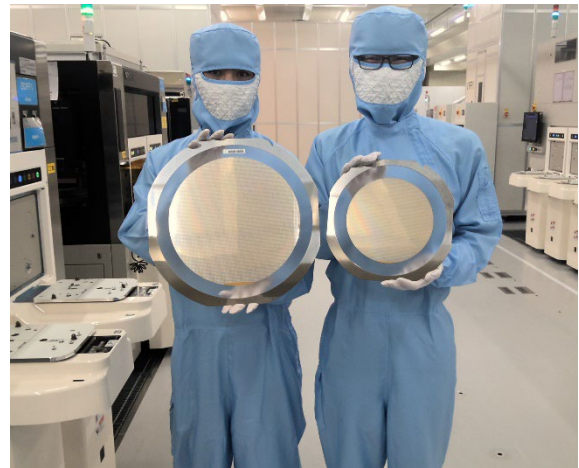
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Mitsubishi Electric Begins Supplying Power Semiconductor Chips Made from 12-inch Wafers for Semiconductor Module Assembly

Stable supply of Si power semiconductor chips expected to support green transformation



Dicing 12-inch Si wafer to make chips



Line for processing 12-inch Si wafers (8-inch wafer on right)

TOKYO, September 30, 2024 – [Mitsubishi Electric Corporation](http://www.MitsubishiElectric.com) (TOKYO: 6503) announced today that its Power Device Works' Fukuyama Factory has begun large-scale supply of power semiconductor chips made from 12-inch silicon (Si) wafers for the assembly of semiconductor modules, effective immediately. The advanced Si power-semiconductor modules will initially be used in consumer products. Going forward, Mitsubishi Electric expects to contribute to green transformation (GX) by providing a stable and timely supply of semiconductor chips to meet the growing demand for energy-saving power-electronics devices in various applications.

The Fukuyama Factory processes wafers for the production of Si power-semiconductors. The factory is playing a key role in Mitsubishi Electric's medium-term plan to double its wafer processing capacity for Si power-semiconductors by fiscal 2026 compared to five years earlier. By supplying large quantities of 12-inch Si wafers for power semiconductor chips, the company will ensure stable production of advanced Si power-semiconductor modules for energy-saving power-electronics equipment.

Outline of Fukuyama Factory, Power Device Works

Location	Daimonmachi Asahi 1-4 Fukuyama, Hiroshima Prefecture, Japan
Building	Total floor area approx. 46,500m ² , 3 floors
Products	Si power-semiconductors (8-inch and 12-inch wafers)
Processes	Wafer processing
History	<ul style="list-style-type: none">- Nov. 2021: Started operations- Apr. 2022: Started mass production of 8-inch Si wafers- Aug. 2023: Completed installation of 12-inch wafer processing line- Sept. 2024: Started supplying power semiconductor chips made from 12-inch Si wafers for semiconductor module assembly

Power semiconductors are key devices that contribute to decarbonization thanks to their highly efficient control of electrical power. In particular, Si power-semiconductors are critical to many sectors of the power semiconductor market, including electric vehicles, consumer appliances, industrial equipment, renewable energy and railway traction systems. Demand for these semiconductors is growing and is expected to continue increasing.

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About Mitsubishi Electric Corporation

With more than 100 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Mitsubishi Electric enriches society with technology in the spirit of its “Changes for the Better.” The company recorded a revenue of 5,257.9 billion yen (U.S.\$ 34.8 billion*) in the fiscal year ended March 31, 2024. For more information, please visit www.MitsubishiElectric.com

*U.S. dollar amounts are translated from yen at the rate of ¥151=U.S.\$1, the approximate rate on the Tokyo Foreign Exchange Market on March 31, 2024