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*Customer Inquiries*

*Media Inquiries*

Semiconductor & Device Marketing Dept.A and Dept.B  
Mitsubishi Electric Corporation

Public Relations Division  
Mitsubishi Electric Corporation

[www.MitsubishiElectric.com/semiconductors/](http://www.MitsubishiElectric.com/semiconductors/)

[prd.gnews@nk.MitsubishiElectric.co.jp](mailto:prd.gnews@nk.MitsubishiElectric.co.jp)  
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## **Mitsubishi Electric Completes Installation of 12-inch Wafer Processing Line at its Fukuyama Factory Power Device Works**

*Aims to help realize a carbon-free society through the stable supply of power semiconductor devices*



12-inch silicon wafer and resistance measurement equipment, shown for reference alongside an 8-inch wafer (right)

**TOKYO, August 29, 2023** – [Mitsubishi Electric Corporation](https://www.mitsubishielectric.com) (TOKYO: 6503) announced today that the company has completed installation of its first 12-inch silicon wafer processing line at its Power Device Work's Fukuyama Factory, which manufactures power semiconductors. In addition, through sample production and testing, it has been verified that the power semiconductor chips processed on this production line achieve the required performance levels.

[As previously announced](#), Mitsubishi Electric is planning to start mass production on the new 12-inch silicon wafer line in fiscal 2025. The company aims to approximately double its silicon power semiconductor wafer processing capacity by fiscal 2026 compared to fiscal 2021 levels.

In recent years, the demand for power semiconductors offering efficient control of electrical power is growing as countries look to achieve carbon-free status. Power semiconductors are utilized in wide range of relevant products, including electric vehicles, consumer devices (e.g. air-conditioning systems), industrial equipment, renewable energy and traction devices, and a stable supply is required in order to meet this growing demand.

Mitsubishi Electric will contribute to the realization of a carbon-free society through enhancement of its production capacity and by ensuring a stable supply of power semiconductors through the introduction of highly efficient 12-inch wafer production lines.

**Outline of Fukuyama Factory Power Device Works**

Location	Daimonmachi Asahi 1, Fukuyama, Hiroshima Prefecture
Building	Total floor area approx. 46,500m <sup>2</sup> , 3 floors
Products	Silicon power semiconductors
Processes	Wafer processing
History	- November 2021: Start of operation - April 2022: Start of mass production of 8-inch silicon wafer

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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 5,003.6 billion yen (U.S.\$ 37.3 billion\*) in the fiscal year ended March 31, 2023. For more information, please visit [www.MitsubishiElectric.com](http://www.MitsubishiElectric.com)

\*U.S. dollar amounts are translated from yen at the rate of ¥134=U.S.\$1, the approximate rate on the Tokyo Foreign Exchange Market on March 31, 2023