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Corporate Home (<https://www.ferrotec.com/>) | Products & Technologies (<https://www.ferrotec.com/products-technologies/>) | Silicon Wafers

Silicon Wafers

We produce silicon wafers (12 inches or less) for semiconductors in an integrated manner ranging from single crystal ingots to wafer processing.

Integrated production from the single crystal ingots

We have established the global supply system mainly for the mass-produced wafers for bipolar integrated circuits, discrete circuits, and MEMS.

Ferrotec Silicon Wafer Microsite

If you're looking for more about Ferrotec's silicon wafer products, you can find more detailed information on Ferrotec's Silicon Wafer web site. On the site, you'll find a comprehensive resource, along with technical information about the specific product lines.

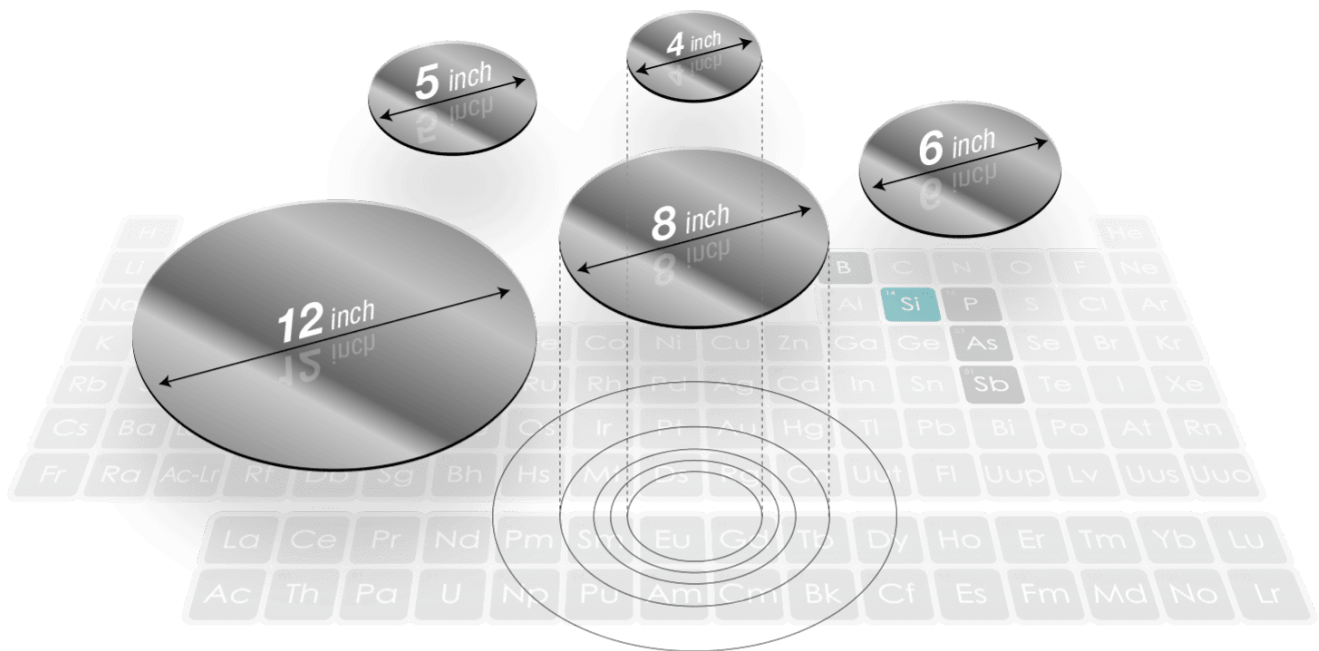
[View Site \(https://ferrotec-silicon.com/en/\)](https://ferrotec-silicon.com/en/)



Semiconductor Silicon Wafers

Silicon wafers are manufactured by cutting, polishing and cleaning single crystals of high-purity silicon under a strict production and quality control system.

Ferrotec provides 4in, 5in, 6in, 8in, and 12in blanks.



Single Crystal Ingot

High-purity monocrystalline ingot with a diameter of up to 300 mm can be produced by the Czochralski (CZ) method. At the customer's request, the Magnetic CZ (MCZ) method utilizing the superconducting magnetic field can be applied.

Polished Wafer

A Polished Wafer is made from a single-crystal silicon ingot which is thinly sliced and then mirror-finished on one side or both sides to produce high flatness and cleanability.

Annealed Wafer

An Annealed Wafer is made by heating a Polished Wafer to a very high temperature in an argon atmosphere to provide an improved crystal integrity of the device formative layer and a gettering function for application to cutting-edge devices.

Epitaxial Wafer

An Epi Wafer is made from a single crystal silicon that grows on the surface of a Polished Wafer by a vapor phase epitaxy method, featuring a superior quality as a substrate for discrete semiconductors and MOS-ICs.

Sales Inquiry Form

Section 1: Contact Information

* Indicates a required field

Salutation

Select...

First Name*

First Name

Last Name*

Last Name

Title

Title

Company*

Company

Email*

email@yourCompany.com

Phone*

phone

Description:

Description:

Please specify the material, features, and types of parts that you are interested in. Please include a brief description of your application and any special requirements.

When do you need your Ferrotec SI wafer parts by:

12/23/2020



Section 2: Helpful information that isn't required to contact you

Street Address

City

State/Province



Zip/Postal Code

Country



Ferrotec USA



COMPANY

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