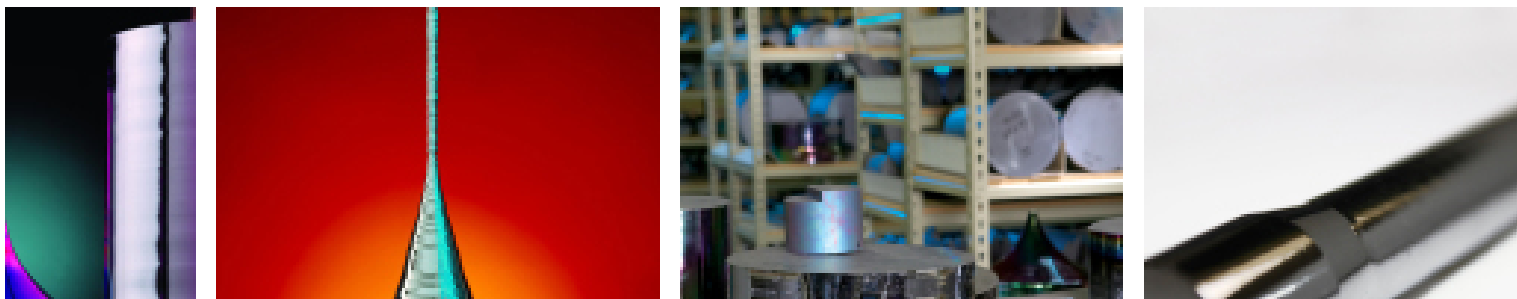


SILICON AND GERMANIUM MATERIAL GROWN TO YOUR SPECIFICATIONS

custom electrical resistivity, orientation and transmission

(<https://www.latticematerials.com/wp-content/uploads/2014/11/growth4.jpg>)

Silicon cores and ingots



Custom Czochralski Crystal Growth

Lattice Materials has exceptional capabilities in custom Czochralski (Cz) crystal growth in both silicon and germanium. Housed in our Bozeman, MT facility, our staff of talented crystal growth technicians can grow to demanding specifications. Whether it's a hard to find size, a unique orientation or if you need custom electrical

resistivity or optical transmission, we're equipped to grow material for your project.

Custom silicon and germanium crystal growth is one of the most unique and important services that Lattice Materials provides. We can control things very few others can, including:

- Electrical Resistivity
- Infrared Optical Transmission
- Monocrystalline Orientation
- Relief of Internal Stresses through Annealing

Lattice Materials can grow over 14" polycrystalline silicon and over 12.5" monocrystalline silicon. We also commonly source larger diameter germanium and silicon ingots, over 18.5". Work with us to solve your most challenging material requirements.

Category: Capabilities

Silicon Czochralski Crystal Growth:

Monocrystalline: Over 12.5" Diameter

Polycrystalline: Over 14" Diameter

Germanium Czochralski Crystal Growth:

Monocrystalline: Over 4" Diameter

Polycrystalline: Over 4" Diameter

Larger diameters available via external sourcing. Floatzone material also available.

[SUBMIT RFQ \(MAILTO:SALES@LATTICEMATERIALS.COM\)](mailto:SALES@LATTICEMATERIALS.COM)

LATTICE TERMS


Terms and Conditions of Sale
(<https://www.latticematerials.com/wp-content/uploads/2019/11/Terms-and-Conditions-of-Sale.pdf>)


ABOUT LATTICE MATERIALS

Lattice Materials is a manufacturing company specializing in machining hard, brittle materials including silicon, germanium, BK7, YAG and more.

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