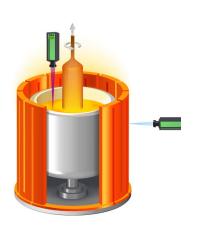


MONOCRYSTALLINE SILICON

THE OPPORTUNITY

Monocrystalline silicon is commonly used in the IC and solar industries. In the solar industry, the monocrystalline wafers result in higher efficiency than that of the multicrystalline ones.

The Czochralski (CZ) process has become the standard for single crystal silicon production. Today, the furnace designs have been fully automated. In the automated Czochralski process, it is important to measure the melt temperature correctly with high repeatability, so the seed-dipping operation can be automated. For temperature feedback control, the graphite heater temperature should be measured with high accuracy as well.



OUR SOLUTIONS

Advanced Energy offers the following solutions:

- Measurement of the melt temperature: Depending on customer's furnace/ viewport design, our carefully designed/selected optics minimizes stray radiation effect.
- Measurement of the heater temperature: Allows accurate temperature control.

Pyrometer Options

- IS 210
- IS 310
- ISR 6 Advanced



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PRECISION | POWER | PERFORMANCE

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