

SOLAR TECH INC.

Premium Quartz Crucible Solutions for Monocrystalline Silicon

Industrial Product Catalog

Solar Tech Inc. provides high-precision round quartz crucibles designed specifically for the Czochralski (Cz) ingot growth process. Our vessels are engineered to withstand extreme thermal stress while maintaining the highest purity levels.

Standard Series: Fused Quartz

Our workhorse crucible for P-type monocrystalline production. Manufactured from high-purity SiO_2 to ensure structural stability at $1,425^\circ\text{C}$.

N-Type Series: Synthetic Liner

Featuring a bubble-free inner layer to prevent oxygen and carbon contamination. Essential for high-efficiency N-type solar cells.

Large-Format G12 Crucibles

Available in diameters from 28 to 40 inches. Optimized for massive silicon charges and high-throughput manufacturing environments.

Surface Optimization

All Solar Tech crucibles can be supplied with a pre-applied Silicon Nitride (Si_3N_4) coating for clean release and increased production cycles.