

CRYSTAL GROWTH TECHNOLOGY



**Model K1 Sapphire
Crystal Grower**



**Czochralski Crystal
Growing System**

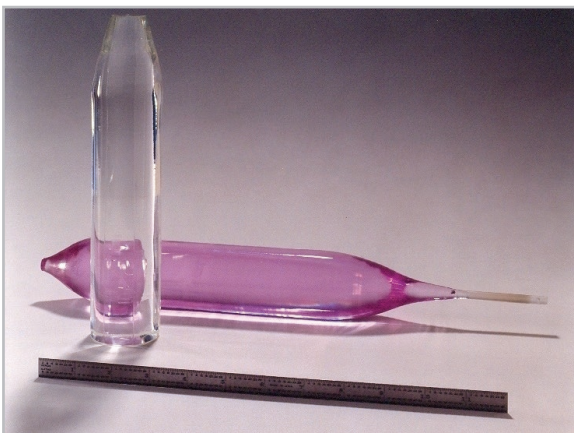
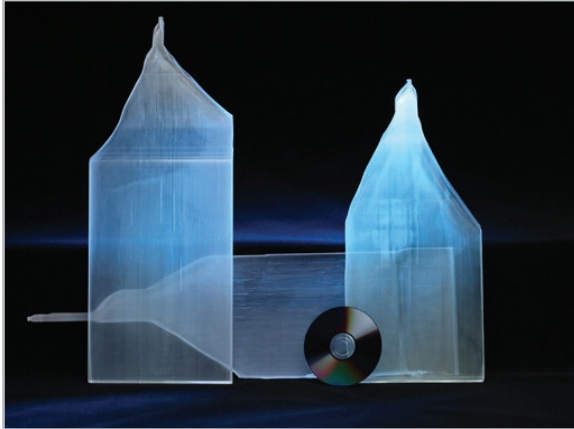


**EFG Crystal
Growing System**



**Czochralski Crystal
Growing System**

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THERMAL TECHNOLOGY'S Crystal Growing Equipment provides turn-key laboratory and production solutions for oxide crystal growth.

With a broad range of equipment and process knowledge, Thermal Technology offers systems for all popular crystal growing methods, including:

- Czochralski
- EFG (Edge-defined Film-fed Growth)
- Kyropoulos

Window and Substrate Applications

- Sapphire (Al_2O_3)
- Lithium Niobate (LiNbO_3)
- GGG ($\text{Gd}_3\text{Ga}_5\text{O}_{12}$),
- Calcium Fluoride (CaF_2)

Laser Rod Applications

- Ti: Sapphire ($\text{Ti:Al}_2\text{O}_3$)
- Neodymium-doped YAG ($\text{Nd:Y}_3\text{Al}_5\text{O}_{12}$)
- Nd:YVO₄
- ErYb:YSGG

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HIGH TEMPERATURE EXPERTS

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