



Model K1 Sapphire Crystal Grower

Produces 90kg sapphire boules of
250mm dia. x 400mm long



Czochralski Crystal Growing System

Capacity: 115mm dia. x 200mm long



EFG Crystal Growing System

Sapphire plates up to 15mm
thick x 300mm wide x 500mm long.

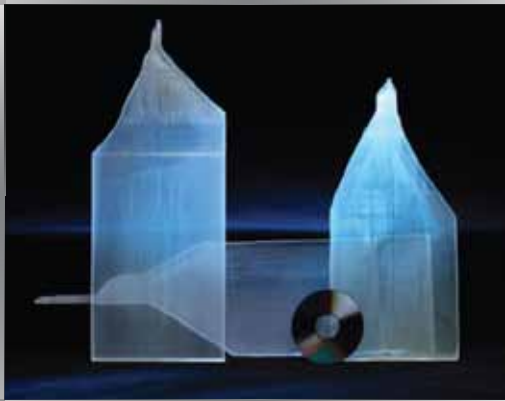


Czochralski Crystal Growing System

Capacity: 50mm dia. x 100mm long

Crystal Growth Technology

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

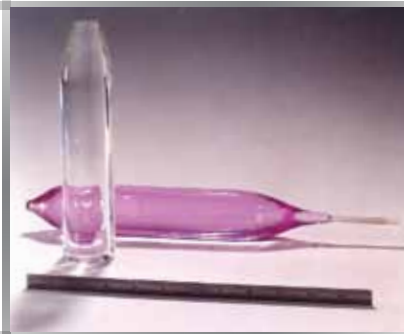
Window and Substrate Applications

- 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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