

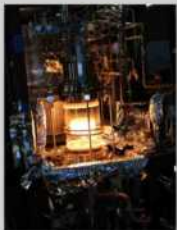


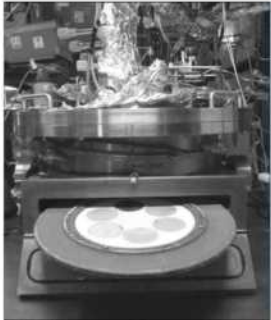










**Abstract Photo.** SMI's tool development for oxide growth. These tools are delivered to several institutes including IKZ, Germany (the world leader in Ga<sub>2</sub>O<sub>3</sub> growth), CMU, PSU, ANL, and Parma.

					
2" Susceptor	4" Susceptor	5" Susceptor	Height adjustable showerhead, (Filament heated)	12" filament heated platter LayTec Monitor on Ga <sub>2</sub> O <sub>3</sub> Reactor	12" filament heated platter Platter (6 × 2") moving out from reactor
Induction heated Oxide Reactors Developed by SMI					

			
3.5" Susceptor	5.9" Susceptor	8.8" Susceptor	12" Susceptor

**Filament heated Oxide Reactors Developed by SMI**

			
Emcore D180 converted by SMI to oxide filament (7" platter), shown hot in air	Emcore/Veeco E400 converted by SMI to oxide filament (16" platter) shown hot in air	Thomas Swan tool converted by SMI to oxide filament (5" platter)	Mist generator Mist Plume shown in air
Example Retrofit/Conversion to Ga <sub>2</sub> O <sub>3</sub> Oxide mode using SMI Technology			Mist Source and Mist controller 