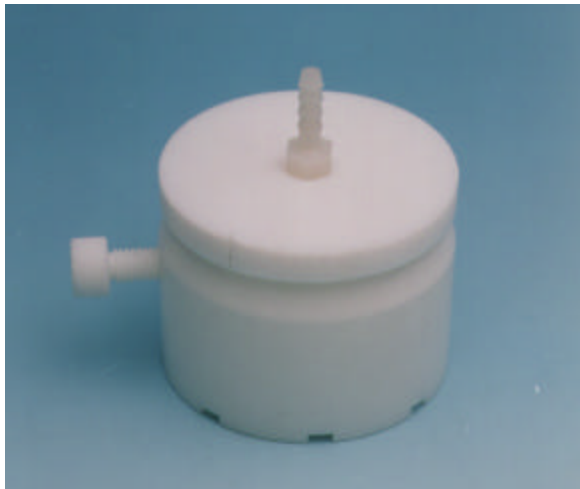


## Chemical Polishing Fixture



Lapping and  
Polishing



Model 160 Chemical Polishing Fixture

### Description

The polishing of semiconductor materials often requires the use of harsh chemicals such as bromine or hydrofluoric acid solutions that would corrode the stainless steel from which most of the SBT fixtures are constructed. A special fixture for satisfying this requirement has been developed.

The Model 160 is made of Teflon® and is designed to hold crystal wafers up to 2 1/8" diameter while they are being polished with very corrosive chemicals. The sample is held in place by vacuum and the sample is polished by rubbing the exposed sample against a suitable polishing cloth soaked with the chemical solution. The Model 160 is ideal for damage free polishing of semiconductor materials with harsh chemicals and has been used extensively for polishing GaAs with bromine-methanol solutions.

### Special Features

- Teflon® construction provides suitable level of chemical resistance.
- Allows polishing of samples up to 2 1/8" diameter.
- Vacuum mounting method ensures simple and uniform sample mounting.
- Suitable for bromine-methanol polishing of GaAs.



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