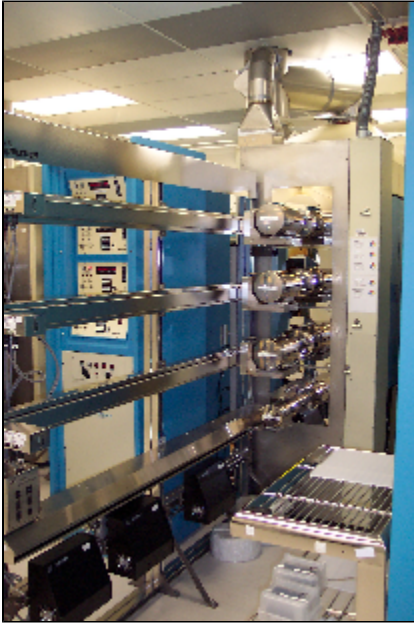


Bruce 2 - Tube 5



Facts

Tube 5 is used for the wet oxidation of silicon dioxide.

- It is equipped with an external torch to produce steam oxide at lower temperatures
- Uses hydrogen gas and oxygen to produce a steam for the faster growth of silicon dioxide.
- Wafers are loaded into quartz boats - current sizes are 100mm & 150mm.
- Tube is considered contaminated - not qualified for MOS grade process.
- Currently reserved for Dr. Hirschman's Research

Other Tubes

- Bruce Tube 1 - Wet Oxide Growth
- Bruce Tube 2 - P type diffusion
- Bruce Tube 3 - N type diffusion
- Bruce Tube 4 - Dry Oxide Growth
- Bruce Tube 5 - External Torch Low Temp Oxide Growth
- Bruce Tube 6 - Wet Oxide Growth
- Bruce Tube 7 - Anneal
- Bruce Tube 8 - High Temp Anneal

Personnel

- Tool Engineer -
- Process Engineer - Sean O'Brien
- Process Engineer - Patricia Meller

Tool & Process Information

- [Bruce Furnace Recipe Request Sheet](#)
 - If a new recipe is needed for the Bruce Furnace, fill out this sheet and return to Sean O'Brien

Manuals & Users

- [Bruce Furnace Manual](#)
- [Bruce Furnace Certification Checklist](#)