



EECS 143 Microfabrication Technology

Laboratory Equipment

Processing

- 1 Headway Research Inc. Model EC101 Photoresist Spinner
- 1 Thermolyne Type 1900 Hot Plate, controlled by Omega CN76000 temperature controller
- 1 Model HP-A1915B Hot Plate Oven, one Model OV-10600 Hot Plate Oven
- 1 Kasper Contact Aligner
- 3 Sola Basic Tempres-Lindberg Furnaces with 10cm diameter tubes
- 1 Thermionics Laboratory Inc. TLI-80 Evaporating System
- 2 Wet Process Stations (one with a hot plate)
- 1 Mixed-Bed Ion Exchangers for DI water
- 1 Polymetrics DI Rinse Station (self containing)
- 1 Balsbaugh Series 900 Resistivity Meter
- 1 automated Spinner (IsoDry) for 3" wafers
- 1 Bausch & Lomb Optical Microscope
- 2 Olympus Optical Microscopes

Testing

- Baird Atomic 4-Point Probe
- Four Probe Stations with Bausch & Lomb Microscopes
- HP 4145A/B Semiconductor Parameter Analyzer
- HP 4284A Precision LCR Meter
- HP 16058A Test fixture
- Tektronix 2215A Oscilloscope
- HP 6235A Power Supply
- HP 7475A HPIB interface, sweep generator
- HP 3438A/3465A Digital Multimeter
- Two Keithley Model 177 uV Digital Multimeters
- Fluke 8020A Portable Meter