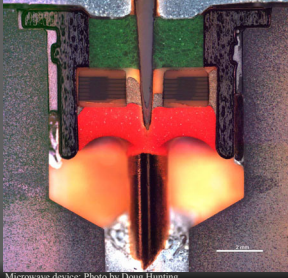


Experiment 3 – The Bi-Sn Equilibrium Phase Diagram

ENG-45, Properties of Materials

Department of Chemical Engineering and Materials Science
University of California, Davis

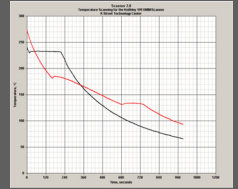
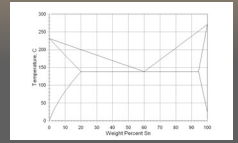


Microwave device. Photo by Dong, Hunting

Objectives

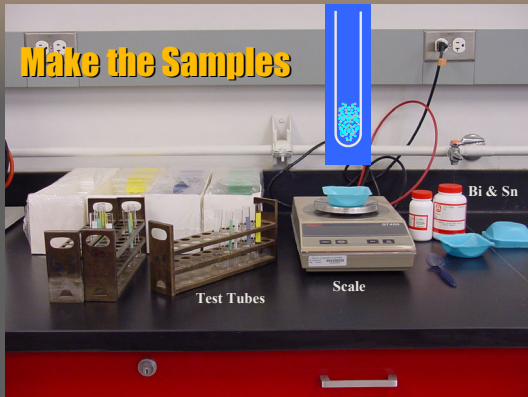
Understand the Equilibrium Phase Diagram:

1. Generation
2. Interpretation
3. Simple Binary System (Bi-Sn)
4. Cooling Curve Method

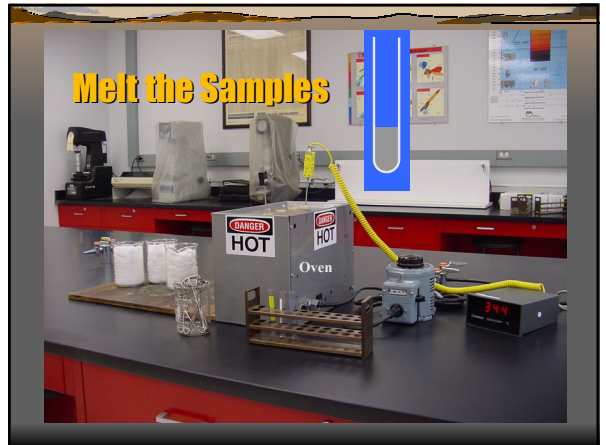


Matt Camilloni and Mike Meier, 2004

Make the Samples



Melt the Samples



Cool the Samples



Record the Temperature

