

Equipment

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- Metallurgical microscopes and stereomicroscopes • Hardness and microhardness testers
- Heat treating furnaces
- Metallographic specimen preparation facilities
- Corrosion testing equipment
- Thermal analysis equipment including Differential scanning calorimeter (DSC) and Dilatometer
- Scanning Electron Microscope (SEM)
- Atomic Force Microscope (AFM)
- Laboratory CO2 laser facility with 2-axis CNC table, cutting head and vacuum chamber for Laser chemical vapor deposition (LCVD).
- Computational Alloy Thermodynamics software Thermo-Calc)
- Computational Alloy Kinetics software (DICTRA)
- Materials Selection software (CES)
- Phase Field modeling for microstructure simulation (MICRESS)