This facility contains several compressive/tensile strength testing machines, including a Terra-Tek computer controlled stiff testing machine rated to 600,000 lbs. These machines are complimented by triaxial cells, strain transducers, load cells and control, data acquisition, computation and hard copy systems. Additional equipment includes ultrasonic pulse velocity test equipment for P and S waves, rock bolt testing equipment including direct shear machine, pull test equipment and instrumentation. The lab also has an Unholtz-Dickie vibration test machine capable of 500 lbs force with a 1” stroke, and SP2000 motion analysis system, and a Rockwell hardness testing machine.