

Materials characterisation capability

Dynamic Systems Gleeble 3800c material testing machine



Purpose

Hydraulic machine used to study the mechanical behavior of metallic materials under compression, tensile and torsion loading conditions.

Specifications

- 3 modules for: Compression, tensile and torsion loading conditions
- Compression testing: Load up to 200 kN, ram velocity up to 2 m/s, heating temperature 1700 °C, heating rate up to 10,000 K/s, quenching device available, inert gas and vacuum chamber
- Tensile testing: Max. load 100 kN
- Torsion testing: Max. torque 100 Nm, quenching device available, inert gas and vacuum chamber