

THERMO-MECHANICAL FATIGUE (TMF) TEST FACILITY

The integrated thermo-mechanical fatigue (TMF) testing system consists of an electromechanical fatigue rated loading machine, an induction heating system and compressed air based cooling system. The TMF machine is capable of conducting fatigue tests under simultaneous, independently controlled cycling of mechanical loading and temperature. In addition, high temperature tensile, isothermal LCF and short duration creep tests can also be conducted.

