

Auburn Multiscale Tribology Laboratory Surface Fatigue Test Machines

Six surface fatigue test machines were donated to Auburn University from the Timken Company. They were originally designed to measure the surface fatigue life of ring on ring lubricated contacts. They can be used to test the surface fatigue life of bearing, gear or rail-wheel contacts. These machines are available for use or reconfiguration to test other components such as bearings. For instance, one of the rigs has been altered to test high temperature radial bearings for the baking industry. There are two ring-on-ring fatigue test machines and four Polymet rolling contact fatigue test rigs.



Contact:
Robert Jackson
Department of Mechanical Engineering
270 Ross Hall
Auburn, AL 36830
robert.jackson@eng.auburn.edu
1(334)844-3340