

Structural Testing

Structures Floor

- 30' x 90' structures tie-down floor in excess of 1,000,000 lbs clamp capacity
- Modular load frames, arches, mounting stands & configurable fixturing
- Proof loads up to 1.5 million lbs.
- Two 20 ton cranes
- Portable bed plates for small component testing
- Rotary actuators with capacity to 400,000 in-lbs. + / - 50 degree rotation
- Linear actuators with capacity in excess of 1.2 million lbs
- Pressure, flow, torque, speed, load, temperature, displacement, and acceleration transducers
- Custom designed test capabilities
- MTS, NI and SoMat instrumentation for control and data acquisition
- Multiple hydraulic fatigue testing systems

ROPS / FOPS

- ISO 3471 ROPS
- ISO 3449 ROPS
- Level I FOPS Testing
- Level II FOPS Testing

Rotary Fatigue

- Rotary 1
 - 33,000 lbs ft +/- 50° angular rotation; Torque, stroke or external control feedback; Variable bed length up to 102"; speed up to 10Hz depending on angular rotation
- Rotary 2
 - 2,500 lbs ft.; +/- 90° angular rotation, one direction 90°; Torque, stroke or external control feedback; Bed length 96" up to 90'; speed up to 10Hz depending on angular rotation
- Rotary 3:
 - 2,500 lbs ft. torque; +/-180° angular rotation, total 360° rotation; Torque, stroke or external control feedback; Bed length, 102" up to 90'; speed up to 10Hz depending on angular rotation
- Rotary 4
 - 12,500 lbs ft.; +/- 180° angular rotation, one direction 360°; Torque, stroke or external control feedback; Bed length 96" up to 90"; speed up to 10Hz depending on angular rotation
- Rotary 5
 - 417 lbs ft.; +/- 100° High speed rotation, Torque, stroke or external control feedback; Bed length 3'; speed up to 10Hz dependent on angular rotation
- Rotary 6
 - 400,000 lbs ft.; +/- 15° angular rotation, total 30° one direction; Torque, stroke or external control feedback; Bed length 90'; 1Hz maximum depending upon angular rotation
- Rotary 7
 - 4,500 lbs ft.; infinite left or right rotation; hydraulic motor; Torque, stroke or external control feedback; Bed length 90'