



WEAR TESTING

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OVERVIEW

Cortest Wear Test Systems can be used for friction, wear, and galling test applications. Cortest offers both standard system designs as well as custom configuration to meet the most demanding of applications. A wide range of applications can be tested, such as: Block-on-Ring friction and sliding wear, Pin-on-Disk wear, and Galling Resistance of materials including bare metals, alloys, non-metals, coatings, and surface modified alloys, or for many other custom applications. These systems can be configured to use Cortest autoclaves, load frames, and flow loop systems made from various materials, and allow for testing under various conditions. Each testing system comes complete with Cortest's proprietary software and data acquisition system, including custom software and calculations specific to customer requirements.

CATEGORIES: OIL & GAS | NUCLEAR | RESEARCH

TEST METHODS
**ASTM G77, G98,
G99, G196**

CONTROL
**APPLIED FORCE,
RPM, DEGREES OF
ROTATION**

DRIVE MECHANISM
**LINEAR & ROTARY
MOTION**

WEAR TESTING

SYSTEM FEATURES

- Rotating Friction / Wear Testing Controlled by RPM or Degrees of Rotation
- Pin, Barrel & Block, and Cylindrical Specimen Types
- Capable of Measuring Coefficient of Friction
- Compatible with Autoclave, Load Frame, and Flow Loop Systems Made From Various Materials
- Software Controls Linear and Rotary Motion
- Custom Software and Calculations Specific to Customer Requirements
- PC Controlled Data Acquisition System
- Temperature Up To 350°C (662°F)
- Pressure Up To 30 MPa (4,350 psi)

TYPICAL APPLICATIONS

- CERT/SSRT Load Frames
- Corrosion Fatigue Load Frames
- Pull-Through Autoclaves
- Flow Loop Systems
- Wear Testing - ASTM G77, ASTM G98, ASTM G99, ASTM G196