



CDA INTERCORP

450 GOOLSBY BLVD. ■ DEERFIELD, FL 33442-3019

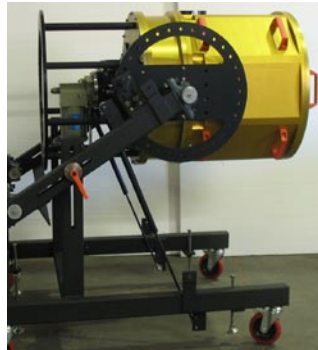
(954) 698-6000 FAX (954) 698-6011

Testing & Analyses Capabilities

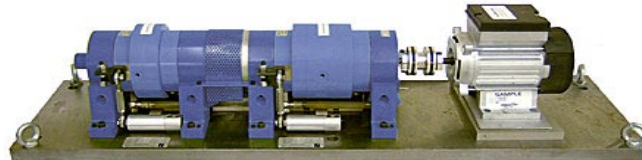
CDA InterCorp's Controllable Drive Actuators, Rotary Transducers and Eddy Current Dampers have been used in many high performance critical applications for defense, aviation, space, ground support, down hole equipment tools and high reliability industrial applications since 1970. Many of these demanding applications require additional testing and/or analyses to satisfy the customer's requirements. CDA now offers a plethora of capabilities for testing along with a staff of analyst to support your programs.

The following are a few of the newly acquired testing capabilities along with some of the analyses typically required.

- CDA Internal Testing
 - Thermal Vacuum
 - Universal Cryogenics custom Dewar designed for a temperature range of -253°C to +230°C at a pressure of 10E-6 Torr.
 - Thermal Cycling
 - -180°C to +300°C
 - Numerous Dynamometers
 - Up to 11,000 lb-in
 - Up to 48 kW



- Environmental Tests
 - Acceleration
 - Barometric Pressure
 - Explosion
 - Fungus Resistance
 - Humidity
 - Moisture Resistance
 - Rain
 - Salt Fog
 - Salt Spray
 - Sand and Dust
 - Shock
 - Temperature at Altitude
 - Vibration
 - Water Immersion



- Risk Mitigation
- Torque Margin
- Gear Stress
- Bearing Contact Stress
- Thermal Analysis
- Lubricant Loss
- Fastener
- Life
- Reliability
- Vent Path
- Magnetic
- Structural
- Weight
- Environmental

- Electrical Parts De-rating
- FMECA
- MTBF
- General
- Fatigue
- CTE
- Wear



CLEANROOM

- Certified ISO 14644-1 Class 7 (Formally FED-STD-209 Level 10,000)
 - Final Assembly and Test area for Dry Lubed Applications
 - Two ISO 14644-1 Class 5 (Formally FED-STD-209 Level 100) Laminar Flow Benches
 - Nitrogen Chamber for Dynamic Testing of Dry Lubed Components
 - Final Assembly and Test area for Wet Lubed Applications
 - Two ISO 14644-1 Class 5 (Formally FED-STD-209 Level 100) Laminar Flow Benches
 - Cleaning Area within Cleanroom
 - ISO 14644-1 Class 5 (Formally FED-STD-209 Level 100) Vacuum Oven for Cleaning
 - Vacuum Oven with TQCM Capabilities
 - Mobil Test Equipment

For Further information, or product literature request, call CDA directly or email us at mail@cda-intercorp.com for an immediate response to your requirement needs.

www.cda-intercorp.com

CONTROLLABLE DRIVE ACTUATORS

MOTORS ■ GEARHEADS ■ GENERATORS ■ ROTARY TRANSDUCERS