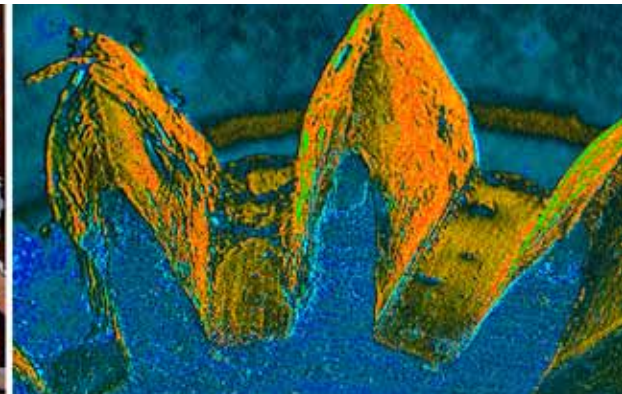




CAPABILITIES and EQUIPMENT



ENGINEERING

- Professional Engineers (P.E.'s)
- Certified Safety Professionals (CSP's)
- Certified Fire and Explosion Investigator (CFEI)
- Certified Fire Investigator (CFI)
- Mechanical
- Electrical
- Civil
- Safety
- Industrial
- Metallurgical
- Chemical
- Fire Investigation

TESTING EQUIPMENT

• FORCE / WEIGHTS

- Four place balances
- Load cells
- Hand scales
- Lab weights / standards
- Displacement transducers
- Torque measurements
- Vehicle scales

• FRACTURE / MECHANICAL

- Magnetic particle / UV Fluorescent
- Dye penetrate
- Ultra sound
- Hardness

• ELECTRICAL

- Multimeters
- Megohmmeter
- Ampermeters
- O-scopes
- Power supplies
- Insulation tester
- Circuit breaker tester
- Custom testing equipment
- X-ray
- Circuit tracer
- Voltage / Amperage recorder

MICROSCOPY

- Stereo / Digital / Field portable
- Scanning Electron Microscope (SEM) with Energy Dispersive Spectroscopy (EDS)
- Sample preparation saw
- Metallographic, inverted
- Evaporator / Coater
- Sample Polishers
- Centrifuge
- Ultrasonic / Heat
- Sample mounts
- Material standards

3-D PRINTED SOLID MODELS, PROTOTYPE MODELS

HEAT / TEMPERATURE

- Thermocouples
- IR temperature
- High temperature furnace
- Lab ovens / Chamber
- Lab Low-temp chamber
- Environmental chamber
- Flash point, ASTM
- Oxygen index tester

DYNAMICS

- Crash data recorder (black box) download
- Three axis accelerometers
- Vericom (speed, distance, acceleration)
- Remote controls
- Vibration
- Total station
- Tilt table
- 360 vehicle rotation
- Multiplexed data recorder

COMPUTER / SOFTWARE

- HVE / Ed Crash
- Computer Aided Drawing (CAD)
- Rhino / 3-D Studio
- FEA
- 4Pi
- Slice
- Photomodeler
- RISA
- McCone Atlas
- Image T

MECHANICAL / MISCELLANEOUS

- Vehicle lift
- Forklifts
- Fabrication for custom test equipment
 - Welders
 - Machining equipment
 - Press equipment
- Sound level meters
- Air flow
- Gas detection / Measurement / Standards
- PH meters
- Radars
- Laser levels
- Survey equipment
- Pressure / Flow
- Light measurements
- ASTM friction equipment
- ASTM body forms
- Anthropomorphic
- Concrete tester
- Moisture meters
- Magnetic thickness
- Ergonomic probe standards

TRANSPORTATION

- Flat beds
- Covered equipment trailer
- Water craft test vessels
- Aviation: Company owned and operated Beechcraft A-36, IFR, High Performance, Long range. In house pilots and contract pilots.



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