

PRODUCTS IN USE

NASA JPL space/flight qualified cryogenic dualbridge donut load cell and a space/flight qualified cryogenic 3-component multi-axial sensor.

APPLICATION SUMMARY

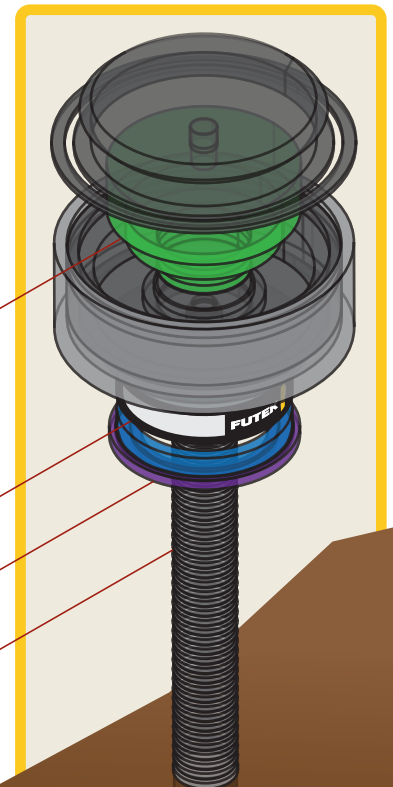
FUTEK developed two cryogenic sensors to operate aboard the rover. The donut load cell directly operates within *Curiosity's* drilling arm. It stands responsible to monitor the drill bit's force as it pierces into the Martian ground. The multi-axial load and torque sensor is responsible for the maneuvers of the robotic arm. Both of these sensors were specifically designed for the Mars Rover *Curiosity* mission.

DTM Actuator

Cryogenic Load Cell

Gimbal Assembly

Ball Screw



Sensor Solution Source

Load Cells · Pressure Sensors · Torque Sensors · Instruments · Software

www.futek.com



U.S. Manufacturer