Support Services

Quality Inspection

> 8-ft, 6-axis FARO Platinum Portable CMM
> 4 x 8 ft Starrett Surface Plate
> 14 in. Mitutoyo Optical Comparator
> 0.098 x 48 in. Fiber Optic Boroscope
> Gage block sets; plus/minus pin sets, bore gages, height indicators
> Standard metric, Acme and API thread gages
> Wilson Rockwell hardness tester

Testing

> Vertical test facility
> 750 gpm, 1,000 psi flow loop: Caterpillar 3412 850 hp engine; National Oilwell 7P50 Triplex pump
> Pressure testing to 27,500 psi to 200˚ C
> Non-magnetic D&I sensor calibration facility and Helmholtz coil
> Electrodynamical shaker table / oven
> HALT / HASS chambers
> 200˚ C non-conductive sub oven
> Resistivity test tank
> Strain gauge instrumentation, load testing
> Torsional, axial and lateral strain calibration
> Shock testing to 1,000 g
> Lateral and torsional (stick-slip) testing of sensor assemblies
> Bending and rotating fatigue testing of drill string components
> Dynamometer testing to 8,000 rpm, 70 HP
> Fatigue life testing
> Ultrasonic and LPI inspection
> Helium leak and vacuum testing