

F O R I M M E D I A T E R E L E A S E

### **SIMPLIFYING MULTI-AXIS FORCE MEASUREMENT**

**SCOTTSDALE, ARIZONA (MAY 12, 2010).** Interface Inc., a recognized leader in force measurement technology, is pleased to announce its high-precision line of axial torsion and multiaxis load cells. These cells greatly simplify tests involving multiple forces on one locus, since only one sensor needs to be installed. Other sensor manufacturers may only offer multiple force sensors to measure multiaxis loads.

How does a multiaxis cell work? An axial torsion cell measures force in the z axis and torque of moment around the z axis. This means the axial torsion cell works the same as a standard load cell except it has the added capability to measure in two directions. The Interface 5200 model series goes even further and measures three directions: force in axial direction and moment in two directions, designated mathematically as  $F_z$ ,  $M_x$ , and  $M_y$ .

Axial torsion cells are available in a variety of shapes, with load capacities from 100 lbf to 400,000 lbf and torque capacities from 50 lb-in to 200,000 lb-in. All Interface multiaxis load cells are calibrated to A2LA standards, and can be equipped with TEDS (Transducer Electronic Data Sheet), instrumentation, base, and system calibration. "Our policy is and has always been to deliver both standard and custom products that exceed our customers' expectations," says Ted Haller, President.

Multiaxis cells are often used for testing rubber for compliance under load, load string alignment in materials, determining center of gravity, metal testing (including foil, wire, sheet, tubes and bars), polymer testing, springs, composites, ceramics, and textiles.

Founded in 1970, Interface Inc. is a premier designer and manufacturer of load cells, torque transducers, and instrumentation for the automotive, aerospace, materials testing/metrology, medical,

and oil and gas exploration industries. Interface load cells have always featured the tightest accuracy and highest voltage output of any major manufacturer. These advantages are possible because Interface makes its own strain gages, temperature-compensates at low and high temperatures, and moment-compensates all its Low-Profile low cells.

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