



# Excellence in Calibration!

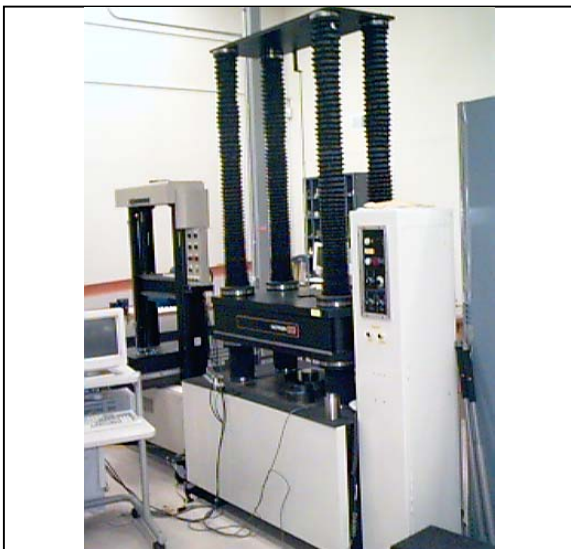
RS Technologies provides torque and force calibration services at its A2LA Accredited Calibration Laboratory in Farmington Hills, Michigan. This calibration service is a necessary requirement for those facilities seeking to obtain or maintain ISO 9001:2000 certification. Items of measuring and testing equipment that are calibrated with the scope of accreditation are rotary torque, reaction torque and force measuring transducers. The commercial calibration capabilities of RS Technologies are defined according to the following Scope of Accreditation to ISO/IEC 17025-2005 and ANSI/NCSL Z540-1-1994.

| Parameter                  | Range                  | Best Uncertainty <sup>2</sup> (±) | Comments                                   |
|----------------------------|------------------------|-----------------------------------|--|
| Force—Measuring Equipment  | Up to 1 000 lb         | 9.1 lbf                           | Deadweight; uncertainty at full scale      |
| Tension/Compression        | (1 000 – 20 000) lb    | 12 lbf                            | Reference Load Cell uncertainty at reading |
| Compression                | (20 000 – 100 000) lb  | 30 lbf                            |  |
| Torque—Measuring equipment | Up to 2 in-lb          | 0.0074 in-lb                      | Torque Calibrator                          |
|                            | (2 – 120) in-lb        | 0.060 in-lb                       |  |
|                            | (10 – 300) lb-ft       | 1.6 in-lb                         |  |
|                            | (300 – 1 000) lb-ft    | 5.3 in-lb                         |  |
|                            | (1 000 – 12 000) lb-ft | 110 lb-in                         |  |

<sup>2</sup> “Best Uncertainty” is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards of nearly ideal measuring equipment. Best uncertainties represent expanded uncertainties expressed at the 95% level of confidence, usually using a coverage factor of  $k = 2$ . The best uncertainty of a specific calibration performed by the laboratory may be greater than the best uncertainty due to the behavior of the customer’s device, to the environment and to influences from the circumstances of the specific calibration.

Valid to April 30, 2010

Certificate Number: 1015.01



20 k & 100k Lbf Force Calibration Presses



200 lb-ft Torque Calibration Stand