Calibration without Weights
for Large Weighing Systems

Verifying weighing performance
Calibration of weighing vessels to full capacity ensures that accuracy meets process specifications and is certified to satisfy quality system requirements. Calibration is traceable to National Standards.

Maintaining productivity
Much faster and less disruptive than traditional calibration methods, allowing convenient scheduling and minimal down time for your process.

Safe and effective
Large capacity scales in hard to access locations can be safely calibrated without the costs associated with other methods. The handling of heavy reference weights is eliminated.

Environmentally friendly
Removes the need for water or other weight substitution materials that must be discarded or treated prior to disposal. Energy consumption is minimized.

Certified Weighing Performance
Traceable to National Standards

The value of a weighing system is proportional to its accuracy. An out of specification scale can diminish quality, reduce profits and increase liability. To ensure accuracy, every scale system must be periodically calibrated. However, as the capacity of a scale increases, calibration becomes increasingly more difficult, time consuming and costly.

METTLER TOLEDO has developed an exclusive calibration service for large capacity weighing systems for exceptional accuracy without reference weights or material substitution. A special apparatus and process precisely apply reference loads throughout the weighing range, resulting in a certified weighing system that complies with accuracy requirements.
Verify weighing performance
Large Capacity Calibration Service from METTLER TOLEDO

Quality Depends on Accuracy
Numerous large-scale production processes benefit from weighing raw materials and in-process or finished goods for measuring inventory, receipts or shipments. In other processes, reactors, bins, hoppers, conveyors and silos utilize weight for blending, batching, monitoring and flow control. In each weighing application, process quality depends on achieving a required accuracy that must be confirmed and certified by periodic calibration.

METTLER TOLEDO has developed a unique service for calibrating large capacity scales that provides many benefits to complement our other calibration methods.

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<th>Requirements</th>
<th>Benefits</th>
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<td>Performance Verification</td>
<td>The calibration equipment applies reference loads traceable to national standards for a certified calibration with the precision needed for most large capacity applications.</td>
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<td>Testing of Entire Weighing Range</td>
<td>Applying reference loads multiple times, at many test points, up and down the range to capacity, ensures that performance is unaffected by side-load forces.</td>
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<td>Minimized Downtime</td>
<td>The calibration process is fast and efficient, permitting frequent calibration tests during normal maintenance periods often without the need to empty the vessel.</td>
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<td>Worker Health and Safety</td>
<td>METTLER TOLEDO factory-trained technicians use equipment and processes that circumvent the labor, exposure and risks of other methods.</td>
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<td>Cost Effective</td>
<td>Time savings and the avoidance of special vessel preparation allow the total cost of calibration to be much lower than alternatives.</td>
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<td>Comprehensive Approach</td>
<td>Part of an engineered solution defining the type and frequency of calibrations to ensure compliance with requirements.</td>
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<td>Environmentally Friendly</td>
<td>Unlike substitution calibration methods, no materials require treatment or disposal and energy consumption is greatly reduced.</td>
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Accuracy Isn’t Accidental
Our Large Capacity Calibration Service is part of a complete portfolio of service solutions. Let us design a calibration and maintenance plan for your scales to ensure process uptime and performance.

ISO/IEC17025 Accredited Service Organizations
Results, not promises.

ServiceXXL
Tailored Services

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