

Vehicle Weight Enforcement Efficient, Accurate, and Safe



Automatic Scale Calibration

The WIMenforce™ system has an automatic calibration capability that keeps it weighing accurately. There is no need to interrupt weighing to perform time-consuming manual calibration. Automatic calibration makes enforcement more efficient by accurately identifying overweight vehicles instead of flagging compliant vehicles.



Apply Correct Weight Limits

The WIMenforce™ system identifies each vehicle's axle configuration and automatically applies the correct weight limits to your static scale. Unlike systems with a single weight threshold, it enables a static scale to identify violators instantly. Your operators do not need to override incorrect weight limits manually.



Eliminate Lines at Scales

Don't slow down your weighing operation by forcing compliant vehicles to wait for a busy operator. The WIMenforce™ system automatically releases compliant vehicles after weighing them on a static scale. It increases productivity by freeing operators to perform inspections and other tasks.



Turnkey Systems

METTLER TOLEDO supplies complete WIM solutions. Equipment can include WIM scales, static scales, controls, software, traffic signals, variable message signs, traffic loops, DOT cameras, overview cameras, and license plate readers.



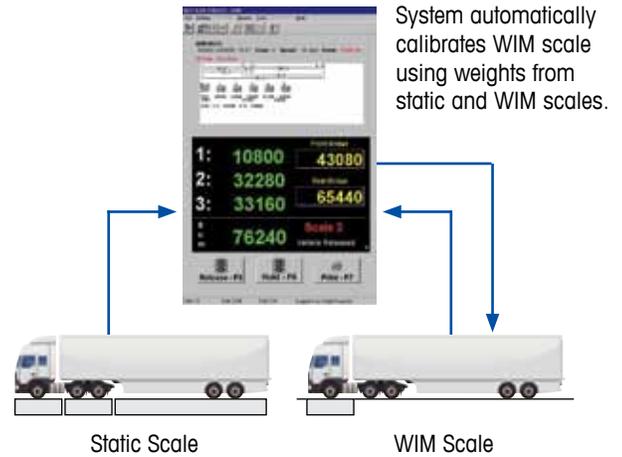
Weigh-in-Motion Enforcement

Enforce highway weight limits efficiently with the METTLER TOLEDO WIMenforce™ system. Using weigh-in-motion (WIM) technology, the system weighs thousands of vehicles per day as they drive along a highway at speeds up to 80 miles per hour. It accurately identifies overweight vehicles and directs them to a static scale without stopping compliant vehicles. The WIMenforce™ system has three exclusive features that ensure maximum accuracy and efficiency: automatic calibration, multiple weight thresholds, and automatic vehicle release. These features make your enforcement officers more productive by enabling them to focus on violators while compliant vehicles continue on their way.

Automatic Calibration

Problem: Thousands of vehicles drive over WIM scales every day, and regular recalibration is needed to maintain optimal accuracy. As the scales lose accuracy, they either (1) tie up static scales by flagging compliant vehicles or (2) allow violators to go free. Keeping most WIM scales accurate requires time-consuming manual calibration that disrupts the weighing operation.

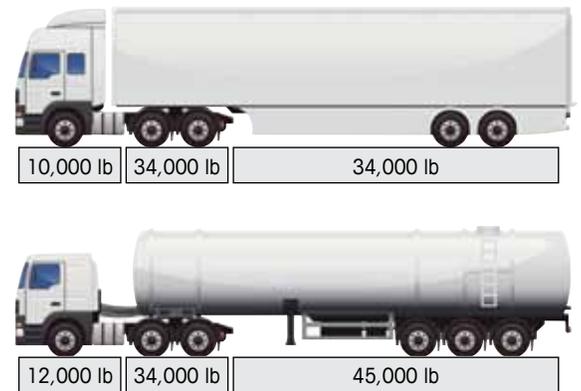
Solution: WIMenforce™ automatic calibration continually compares vehicle weights from a WIM scale and a static scale. Using a patented algorithm, the system automatically recalibrates the WIM scale to keep it consistent with the static scale. Because the calibration procedure is fully automated, it does not interrupt normal weighing operations.



Dynamic Thresholds

Problem: Highway weight limits are often based on a vehicle's axle configuration. A trailer with a tri-axle is allowed to carry more weight than one with a tandem axle. Many static scales apply the same weight limit to all vehicles. They flag numerous compliant vehicles as violators and require operators to spend time overriding incorrect weight limits manually.

Solution: The WIMenforce™ system accurately identifies the axle configuration of each vehicle and applies the correct weight limit when a vehicle is weighed on a static scale. By using dynamic thresholds, a static scale flags only real violators, eliminating the need for operators to calculate bridge formula weights and override incorrectly applied weight limits.



Static scale applies weight limits for each axle configuration.

Automatic Release

Problem: When WIM systems direct vehicles to a static scale, operators need to spend time checking weights and releasing the vehicles manually. If productivity is a priority, your operators cannot afford to spend their time releasing compliant vehicles. Operators are most productive when they are inspecting vehicles and processing violators.

Solution: Automatic release allows a static scale to weigh compliant vehicles without involving an operator. Drivers simply follow the traffic signals. The system determines the correct weight limits and automatically allows compliant vehicles to exit the scale. Operators are free to attend to other duties until alerted that an overweight vehicle is on the scale.



Static scale stops overweight vehicles.



Static scale releases compliant vehicles automatically.

Produced in a facility that is



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