

HAMBURG WHEEL TRACKER, SIMULTANEOUS WET AND DRY TESTING

SmarTracker, from InstronTek®, is the most user-friendly wheel tracking system available today. The SmarTracker meets AASHTO-T324 and measures resistance to rutting and moisture damage in asphalt mixtures. Results from this test help pavement engineers and technicians verify the integrity of asphalt mix designs, evaluate materials and predict field performance. The SmarTracker also meets all requirements and recommendations of NCHRP 20-07 Project 361.

The SmarTracker is designed entirely with the end-user in mind. While other, more expensive wheel tracking systems have technicians lifting heavy wheel assemblies into position, the SmarTracker’s innovative retracting wheel requires no lifting at all. The integrated, touch-screen operating system allows quick test execution, and all electronics are intelligently placed away from the testing tanks to avoid moisture damage. SmarTracker’s unique hood, tank and optional air heaters keep water and air temperatures constant during the test period. The two independent tanks and wheel transport mechanism allow for simultaneous testing of wet and dry samples. The SmarTracker’s innovative, user-friendly features make loaded wheel testing safer, easier and more accurate.



AASHTO T324 US Patent No. 9964,471

FEATURES

- ▶ Meets AASHTO T324 and NCHRP 20-07 Project 361
- ▶ Each wheel is driven by an independent motor
- ▶ Innovative and unique wheel roll-off mechanism
- ▶ Does NOT require lifting of heavy wheel components
- ▶ Shielded electronics and rugged design to withstand harsh laboratory environments
- ▶ Small footprint to accommodate small construction labs
- ▶ Touch-screen controls based on Windows operating system
- ▶ Fully automatic, test stops when specimen fails
- ▶ Easy to load, unload

SMARTTRACKER™

SPECIFICATIONS

Temperature Range	20-70°C
Dimensions	54"W x 48"L x 50"H
Weight	1450 lbs
Wheel Speed	Adjustable 30-60 Passes Per Minute / 15-30 Cycles Per Minute
Electrical Supply	Single Phase 208-230V
Wheel Load	705 +/- 4.5 N (158 +/- 1.0lbf)
Mechanical water recirculator temperature control	+/- 1 °C
Displacement transducers measurement	0 to 50 mm +/-0.1 mm