



GripTester MK2

ENVIRONMENTS



Residential



Rural



Motorway



Airports

GripTester MK2 is the advanced solution for high-precision surface friction testing of airports and skid resistance of SCRIM sites.

GripTester MK2 delivers reliable, real-time data to support safer, more efficient airport and road operations.

Designed for both airport surface assessments and SCRIM site validation, the GripTester MK2 combines cutting-edge sensor technology with intelligent software to provide consistent, accurate friction measurements at speed. This enables proactive maintenance planning and ensures compliance with national safety standards.

Airport Surface Testing

Runways, taxiways, and aprons are subject to constant wear from aircraft movements and environmental exposure. GripTester MK2 empowers airport authorities to monitor surface friction with precision - identifying low-grip zones and supporting targeted maintenance to reduce risk and maintain operational safety. Road Science has conducted grip testing at airports across New Zealand and the Pacific Islands, helping ensure safe, high-performance surfaces in diverse conditions.

SCRIM Site Validation

GripTester MK2 enhances the validation of Sideway-force Coefficient Routine Investigation Machine (SCRIM) sites by delivering rapid, high-resolution friction data. Its advanced sensors and on-board analytics ensure accurate assessments of skid resistance, helping road authorities maintain safe driving conditions across the network.

Real-time Insights

Friction data is captured and processed instantly, with detailed reports, graphs, and actionable recommendations available on-site. This enables fast decision-making and supports long-term asset management strategies.

GripTester MK2 is the smart choice for airport friction testing and road skid resistance investigation — combining speed, safety, and precision.



Images: (left) GripTester MK2 completing airfield friction testing. (right) GripTester MK2 on-site road inspection for skid resistance.

Benefits

- **Rapid testing** - streamlined testing process enabling quick and efficient assessments of large surface areas
- **Real-time results** - obtain instant feedback on friction levels
- **Reporting** - comprehensive reports delivered with graphs and recommendations for targeted maintenance and safety improvements

Industry Specifications

GripTester MK2 survey vehicles comply with the [NZTA T10](#) specifications for state highway skid resistance management, and [AC139-13](#) standards for Civil Aviation Authority requirements of runway surface friction testing.

Location

GripTester MK2 vehicles are based in Tauranga with the ability to survey nationwide.

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Need more information?

At Road Science, we're committed to providing innovative solutions backed by engineering expertise. If you have any questions about this service, need technical guidance, or want to discuss how it fits your specific project needs, our team is here to help. Contact us today for expert advice and tailored support. Contact us via **0800 180 200** or visit our website at **roadscience.co.nz** to learn more.

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