

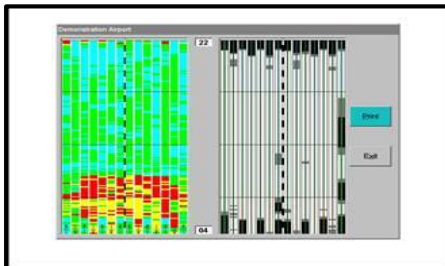
Findlay Irvine are world leading experts in measuring skid resistance for airports having been manufacturing Continuous Friction Measuring Equipment (CFME) for over 20 years. Currently in use in over 550 airports worldwide, GripTester MK2 is the world's most versatile, robust and deployable continuous friction measuring device and now also available is the micro GripTester for Helidecks.

With the ever reducing budgets available to airport operators it is now more important than ever that savings are made wherever possible while still maintaining the highest safety standards. By efficiently managing the continued regular scheduled maintenance of runway surfaces to ensure consistent optimum performance levels without compromising safety can be one such area where savings can be realised, if done effectively and extend the life of the surface.

From a maintenance perspective, the management of skid resistance is important to ensure rubber build-up is kept to acceptable levels as well as ensuring the quality of the overall surface. Regular skid resistance measurements allow rubber build-up to be monitored so that rubber removal is undertaken only when necessary. This in turn ensures that rubber removal costs are minimised therefore reducing the overall maintenance budget.

Unfortunately, skid resistance is variable due to a number of factors such as:

- Contamination
- Wear
- Seasonal variation



By employing a regular monitoring schedule, airport operators can better understand these variations and take them into account when trying to predict wear levels as well as the condition of the surface. Through regular testing the data gathered can be analysed to better focus maintenance budgets, targeting individual areas for improvement, reducing costs and increasing the life of the runway.

The GripTester MK2 from Findlay Irvine is a fast deployable solution for continuous skid resistance measurement allowing easy regular testing and helping to provide the data needed for regular monitoring.

Along with this, the recently developed runway alignment system developed by GripTester MK2 is an add on for existing equipment helping to ensure that the same sections of the runway are measured each time offering better repeatability and increasing the accuracy of the data. When using the runway alignment system all data is recorded using differential GPS to sub 1m accuracy. This provides a further level of confidence in the data as the operator can prove where each data measurement was taken helping to better focus maintenance regimes.

The GripTester MK2 also has the ability to survey turn offs and taxiways which are not normally taken into account when measuring skid resistance levels. This is because most continuous measurement devices are either too bulky to measure around non-runway areas or, more importantly, cannot measure around bends reliably due to their testing methodology. However, GripTester MK2 is versatile enough to measure these areas, and can measure round bends accurately.

The MK2 GripTester is therefore the ideal tool for managing the whole airside pavement area helping operators to implement a cost effective maintenance regime. As airport operators also have a duty of care (and possibly regulatory requirements) to ensure that non airside roads are maintained to an acceptable skid resistance level, the GripTester MK2, because of its ability to measure round bends, can be used for these areas – potentially saving on the employment of specialised survey teams.

For those areas where it is not practical to measure, Findlay Irvine has launched the micro GripTester, a small pushable device, for quick investigations on pavement surfaces and for monitoring helidecks. This is the next in a long line of world leading Continuous Friction Measuring Equipment developed and manufactured by Findlay Irvine to help make transportation safer.



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