

Helideck micro GripTester



Features & Benefits

- Continuous Friction Measuring Equipment
- UKCAA CAP 437 Compliant
- Designed for all seasons
- Computer controlled system
- Easy to use, robust, reliable
- Flexible deployment
- Automatic water delivery system
- Tests entire deck, at resolution of 1m²
- Full maintenance & support service offered

Application

Helideck micro GripTester is the world's first purpose built continuous friction measuring device designed specifically for testing Helidecks and Helicopter Landing Zones. It has been purpose built to cope with harsh offshore environments and for transportation to hard to reach facilities. Using the same braked wheel system as the GripTester MK2 it provides Helideck Operators with an accurate friction map to focus maintenance and remove the need for nets.

Ease of Use

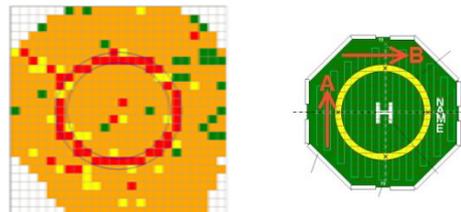
Helideck micro GripTester's light weight, robust construction and reliable performance make it the most deployable push friction tester in the world.

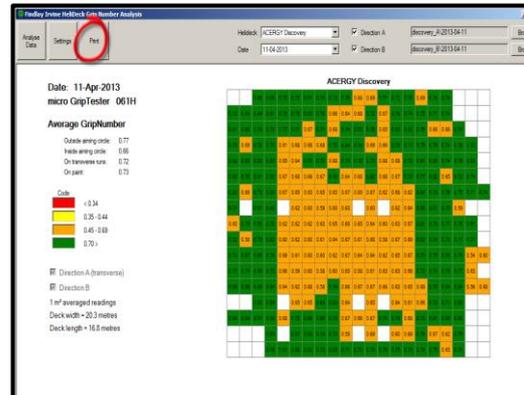
The inbuilt display unit simply guides users through the testing process and allows the whole of the Helideck surface to be covered to a resolution of not less than 1m². It measures the surface friction values across the helideck area, inside the touchdown/positioning marking and paint markings.

Software

The inbuilt software and touchscreen display are designed to help guide the user through the testing process. The data is stored on the display unit and easily transferred via USB in CSV and MDB formats.

The free analysis software allows Helideck Operators to easily view the data as it is converted to illustrate the friction levels in an easy to read colour coded system with the parameters as defined in UKCAA CAP 437. This makes it quick and easy to see friction deficient areas on the Helideck and program maintenance to rectify the precise individual area.





Technical Specification

GripTester MK2

Overall Length:	960mm
Overall Width:	510mm
Overall Height:	1020mm
Transport Dimensions Case 1:	260mm (h) x 960mm (l) x 270mm (w)
Transport Dimensions Case 2:	300mm (h) x 590mm (l) x 410mm (w)
Weight:	20kg (packs into 2 x 12kg carry cases)
Measuring Tyre:	10" diameter slick tread ASTM Specification 1844 Tread KT3-W Compound K8-CIK
Drive Tyre:	10" diameter slick tread ASTM Specification 1844 Tread KT3-W Compound K8-CIK



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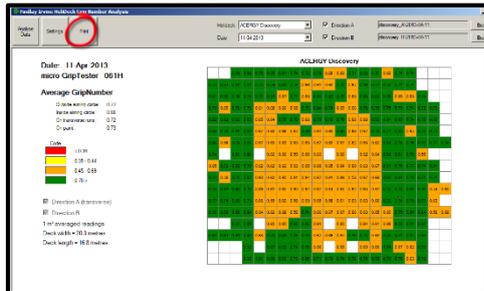
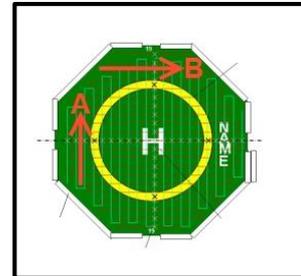
Findlay Irvine are world leading experts in measuring skid resistance for airports having been manufacturing Continuous Friction Measuring Equipment (CFME) for over 20 years. Currently in use in over 550 airports worldwide, GripTester MK2 is the world's most versatile, robust and deployable continuous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

Developed by Findlay Irvine, in association with the Helideck Certification Agency in order to meet the stringent new safety criteria being laid out by the UK Civil Aviation Authority in CAP 437, the Helideck micro GripTester is an essential tool for monitoring the friction levels on helicopter landing decks. UKCAA CAP 437 is now being adopted as best practice throughout the oil industry and there are over 120 Helideck micro GripTesters being used to improve safety on rigs across the world today.

Recent research has identified a set of criteria for friction testers to achieve in order to meet the new legislation, CAP 437. The minimum average surface friction value of 0.65 should be achieved across the area inside the touchdown/positioning marking, outside the touchdown/positioning marking and on the paint markings themselves. This will help to ensure that appropriate levels of surface friction are available consistently at all helidecks and allow operators to monitor levels in order to take effective action when levels begin to drop in order to improve safety for helicopter landing zones.

From an Asset Management perspective, by employing a regular monitoring schedule Helideck operators can better understand the surface of their Helideck and use the data 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 deck itself.

The Helideck micro GripTester is operated by a single person and is driven from a touchscreen display unit. The system simply and easily guides the operator through a full helideck survey in a logical manner. The interface is controlled via the touchscreen and contains all the settings and a Help Guide. Once complete, the survey data is output in Excel format and can be transferred quickly to a USB storage device for transmission and analysis.



The Helideck micro GripTester comes with analysis software that takes the raw survey data from Excel and converts it to a colour coded representation of the Helideck itself. This can be viewed in different increments from 1m² to 0.25m² for better analysis and for focused maintenance and clearly illustrates the different friction levels on the Helideck.

Helideck micro GripTester can be folded away easily, and weighing in at only 23kg can easily be transported or stored making it a simple, efficient one-person operation. It is designed to be quickly and easily split into two lightweight carry cases under 12kgs each, which can be transported by one person as well as placed in the smallest Helicopter hold. This allows the Helideck micro GripTester to be easily transported between platforms or stored compactly in a safe environment.



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