



## 6875 RUNWAY FRICTION TESTER (RFT)



The Dynatest 6875 Runway Friction Tester (RFT) is designed to measure runway friction characteristics for both pavement maintenance and operational purposes. Pavement maintenance to address runway friction concerns may be required due to rubber contamination or weathering of the pavement surface.

Operational friction testing is performed to ensure adequate friction to land aircraft and may be performed during heavy rain, ice, slush, or snow as allowed by FAA regulations.



## ■ COMPLIANCE WITH INDUSTRY STANDARDS

Advisory Circular 150/5200-30D

FAA Advisory Circular 150/5320-12C

ICAO Standard 9137-AN/898 Part 2 Airport Services Manual provides direct measurement of both horizontal friction force and vertical load

The "fifth wheel" assembly driven at critical fixed slip of 13%

Hydraulic raise/lower system

Adjustable test cycle timing

Menu-driven software enables operator to control test parameters

Provides real time vertical load and horizontal tractive force measurements

ASTM Standards E1551 and E2340

ICAO or FAA data presentation

Runway Condition Report (RCR) for military clients

## ■ SYSTEM HARDWARE AND SOFTWARE FEATURES

Self-contained continuous friction measuring equipment (CFME) measures friction coefficient ( $\mu$ ) along the whole length of a pavement section "fifth wheel" mounted two-axis transducer

Self-wetting testing of up to 13,400 m without refilling while providing a water film thickness of 1 mm

The industry's largest 1230 liter aluminum, baffled, built-in water tank

Positive displacement water pump and laminar flow water nozzle

Solid state electronics and instrumentation

Easy trim system calibration

Full system diagnostics of transducer, encoders, brakes, and water system

## ■ AVAILABLE UPGRADE OPTIONS

Pickup truck is available in two- or four-wheel drive

Integrated runway condition graphics and tower reporting

Texture laser

Differential GPS