

Pavement Engineering Services

Dynatest offers a wide range of international consulting engineering services, including pavement deflection testing and analysis, profiling measurements, pavement distress surveys, friction surveys, and pavement management system installations.

The Dynatest consulting engineering staff are highly experienced and specialised pavement engineers.

The Dynatest International network of companies provide Dynatest Model 8082 Heavy Weight Deflectometer (HWD) deflection testing and Model 5051 Mark III Road Surface Profiler (RSP) roughness testing measurements and friction testing with the 1295 (locked wheeled) and 6850 (slip wheel) friction tester, for clients all over the world.

This Dynatest non-destructive testing (NDT) equipment provides the accurate, reliable measurement foundation required for the proprietary "Dynatest Methodology", a unique set of advanced engineering principles and practices applicable to pavement structures and embodied in pavement measurement and analysis products and services available only through Dynatest.

Why Dynatest?

- **Customised Service** - The Dynatest Methodology is applicable to pavement structures worldwide. Dynatest products and services have, for over twenty-five years, been developed to address the many varied and unique needs of pavement managers all around the world. Dynatest is committed to providing accurate, effective, state-of-the-art engineering solutions for pavement engineers everywhere.
- **Market Leadership** - Dynatest is a world leader in the development and manufacturing of pavement testing equipment and analytical software.
- **Stability** - Dynatest has been serving the worldwide pavement engineering community for more than twenty-five years.
- **Specialisation** - Dynatest is a speciality firm that focuses solely on pavement engineering and the production of pavement testing equipment.
- **Presence** - through our own offices in Denmark, United Kingdom and United States, through a joint-venture company in South Africa and through agency representations on all continents.
- **Experience** - Dynatest staff includes some of the most experienced pavement engineers in the world.
- **Reliability** - Dynatest has a reputation for producing high quality products and providing excellent after sales support.



PAVEMENT DEFLECTION MEASUREMENTS USING THE DYNATEST FWD AND HWD FOR HIGHWAYS AND AIRFIELDS

Consulting Engineering Services:

- Pavement deflection measurements using the Dynatest FWD and HWD for highways and airfields.
- Longitudinal and transverse pavement profile elevation measurements as well as real time roughness (IRI and Ride Number), rutting, cross slope, grade, and curvature measurements.
- Pavement distress surveys on highways and airfield pavements.
- Pavement friction surveys for airfields, racetracks and highways
- Structural and functional analyses of highway and airfield pavement deflection and roughness data to determine remaining life and preservation and/or rehabilitation requirements.
- Development and sales of fully automated software products, including ELMOD 5 backcalculation software
- Development of project level pavement analysis software applications including ELMOD 5, FEM/LET/MET, LCCA and PCN.
- Engineering support for accelerated pavement testing (APT) projects and equipment.
- Customised analysis and reporting for engineering projects.
- Development and presentation of customized training courses in pavement analysis and design.
- Engineering support for all Dynatest equipment and software products.
- GIS based Pavement Management Systems with asset management modules