

The Dynatest Group of Companies

Dynatest was founded in 1976 in Denmark by a group of engineers and technicians who combined science, technology and business into the development and manufacturing of highly specialised equipment and methodology for pavement engineering.

The first product, the Falling Weight Deflectometer (FWD), was introduced the same year and has since become a product acknowledged as the market leader in quality and reliability.

From modest beginnings, **Dynatest** has developed into a small yet multinational group with a parent company, **Dynatest International A/S**. This parent company has wholly-owned subsidiaries in Denmark, USA and the United Kingdom, with joint-venture companies and having formed numerous strategic alliances as well as an established global network of agents and distributors.

The Dynatest Methodology

The *Dynatest Methodology* is the technical philosophy that underlies all products and services developed, provided, and supported by **Dynatest**. This philosophy is embodied in a set of engineering principles and practices resulting from Dynatest's ongoing effort to understand, quantify, and synthesise the complex relationships between pavement performance and material quality, traffic loading, and environmental influences. Simply stated, it is the conviction these relationships must be recognised and utilised to the greatest degree possible in the practical world of pavement engineering. This "analytical" or "mechanistic" approach places emphasis on the structural characteristics and functional condition of pavement systems to predict future performance. Traffic loading is considered to be a primary, but not the exclusive, contributor to structural deterioration of pavements. The **Dynatest** Methodology is an elegant yet practical systems approach to pavement engineering, integrating the benefits of sophisticated proprietary pavement testing equipment and specialised knowledge and experience that is embodied in our software products and engineering principles.

The Objective

Dynatest's objective is to develop, and to make available to the pavement industry, a full range of nondestructive and destructive pavement test equipment with supporting engineering software and services to facilitate the preservation, design and management of pavement networks.



The Business Concept

The primary **Dynatest** market consists of public and private road, ports or airfield managers, consultants and engineers, who are responsible for and/or active in the maintenance, rehabilitation and construction of pavements. This market currently needs significant assistance in developing techniques and processes to better manage the large investment that is made in roadway and airfield pavement network infrastructure. With access to unlimited budgets, maintaining pavement networks to a uniform excellent condition would not be a problem. But given the usual fiscal constraints placed upon the public sector, or cost efficiencies exercised by private companies, it is of paramount importance that the pavement infrastructure is scientifically maintained and improved upon in the most cost-efficient and beneficial manner possible. **Dynatest** is committed to providing access to its technology on a worldwide basis, and as such, has strategically located offices and agencies around the globe. These entities subscribe to the *Dynatest Methodology*, thus providing a uniform, consistent worldwide product support network.

Our Goal

The ultimate goal is the acknowledgement and acceptance of the *Dynatest Methodology* as an industry standard, and to continue focusing on scientific and technological achievements in a sound, commercially viable and secure environment. Dynatest's commitment to quality, support and product integration will continue to play an essential part in the Group's strategy.