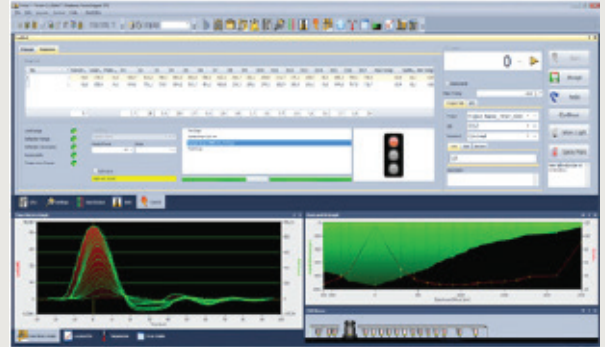


# RESIDUAL LIFE OPTIMIZE INVESTMENTS

Steadily increasing traffic on the road infrastructure sets high demands for monitoring of pavement conditions. Using the PRIMAX Falling Weight Deflectometers is all about ensuring a safe infrastructure to move people and goods around in an environmentally safe and sustainable way

# PRIMAX 1500 ROADS



## KNOW YOUR PAVEMENTS' CONDITION

### STRUCTURAL BEHAVIOUR OF PAVEMENTS

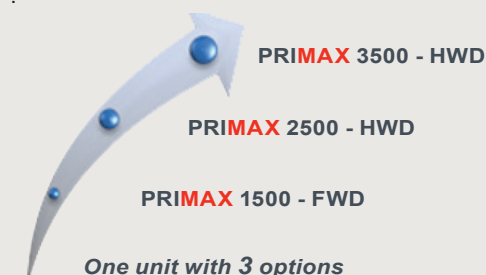
Every day your road pavements are subjected to the load of the traffic driving on them. When the roads were constructed, design was calculated with regard to the load the pavements should be capable of carrying.

However, do the actual values match the design? If not, the pavement may fail prematurely and over time, you will see accelerated deterioration with expensive consequences. Monitoring the pavement layer conditions with FWD equipment ensures you early warnings of structural deterioration.

Utilising a Falling Weight Deflectometer, you can collect data to support the optimisation of pavement maintenance budgets.

Analysing and calculating data collected with PRIMAX with the integrated RIMAX design software allows you to assess the development of road pavement layer conditions throughout the road network:

- Dynamic E moduli
- Remaining service life
- Determination of critical layer
- Reinforcement (overlay) requirements



Sweco plans and designs the communities and cities of the future. Our work results in sustainable buildings, efficient infrastructure and access to electricity and clean water. With 14,500 employees in 15 countries, we offer our customers the right expertise for every situation. We carry out projects in 70 countries annually throughout the world. Sweco is Europe's leading architecture and engineering consultancy, with sales of approximately SEK 15.2 billion (EUR 1.7 billion) (pro forma 2014). The company is listed on NASDAQ OMX Stockholm AB.

## PRIMAX - RELIABLE, EFFICIENT AND COLLABORATIVE

### RELIABILITY AND QUALITY ASSURANCE

- Knowhow of producing Falling Weight Deflectometers since 1965
- Accurate data output with high repeatability and reproducibility
- Supplied, tested and applicable under worldwide climate and weather conditions
- CE marked quality tested durable components
- Quality certified company - ISO 9001, 14001, OHSAS and AASHTO R-32
- 24 month product warranty on PRIMAX

### EFFICIENT PRODUCT SOLUTIONS FOR OPTIMUM SAFETY AND PERFORMANCE

- Automated equipment safety monitoring and warning system
- Cost and time reducing product solutions for surveys
- Scalable load options - upgradable on demand
- Project navigator for project management

### COLLABORATIVE SOFTWARE SOLUTIONS

- On-line support integrated for remote system monitoring & support
- Fully linked and aligned with RoSy for easy import/export of data
- Real time data calculation of E moduli during field surveys
- Quality supervision with PRIMAX observer

## MANUFACTURER OF PRIMAX FWD/HWD

**Sweco Danmark A/S  
Pavement Consultants**  
Kokbjerg 5  
6000 Kolding  
T +45 72 207 207  
[www.pavement-consultants.com](http://www.pavement-consultants.com)

**Sweco Danmark A/S**  
Ørestads Boulevard 41  
2300 Copenhagen S  
T +45 72 207 207  
[www.sweco.dk](http://www.sweco.dk)





## MODULAR AND UPGRADABLE EQUIPMENT FOR ANY PURPOSE

Our PRIMAX1500 was developed to offer our customers one of the most accurate, efficient and adaptable equipment and the best quality, through an almost holistic solution we can help our customers with an upgradable equipment to cover different measuring purposes.



PRIMAX1500 is not only upgradable regarding load range, but also upgradable to a highly maneuverable van-integrated version. Any of the PRIMAX models can be mounted into a vehicle and vice versa.

## PRIMAX - RELIABLE, EFFICIENT AND FAST WORKING

### RELIABILITY AND QUALITY ASSURANCE

In order to get an idea of the capacity of the PRIMAX 1500, we have carried out a test that shows:

- Measuring three (3) drops in 15 seconds
- Measuring three (3) drops including lowering and rising of load plate in less than 18 seconds.
- Measuring ten (10) points with interval of 35 meters, average time 29.7 seconds including driving time.
- Measuring ten (10) points with interval of 50 meters, average time 31.6 seconds including driving time.
- Measuring ten (10) points with interval of 100 meters, average time 36.7 seconds including driving time.
- Experienced operators can speed this process slightly.

Accurate data output with high repeatability and reproducibility: Proven through CROW, TRL and German (Bast) co-relation trials.