



# FALLING WEIGHT DEFLECTOMETER HEAVYDYN®

The FWD (Falling Weight Deflectometer) Rincent Heavydyn is a single axis trailer to measure deflection using a dynamic load for road and airport platforms.

It features very compact dimensions with a foldable hitch, a fast measurement time using high power hydraulic system and intuitive acquisition software for tactile tablet.



## Deflections under dynamic load

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### Light and compact trailer

Length under 3.50m (less than 3.0m when folded). GVW of 1150kg (FWD).

### HWD and FWD configuration

Configurable at any time in FWD for roads up to 120kN and HWD for Airport up to 250kN,.

### High yield

High speed hydraulic system, up to 100 points per hour.

### Accuracy and Repeatability

Participation to all Europeans correlation trials (TRL UK, BAST Germany, CROW Netherland).

### Modulus Retrocalculation

Data compatible with Alize, DAPS or Elmod softwares for evaluation of layers moduli.

### Road FWD configuration



### Airport HWD configuration

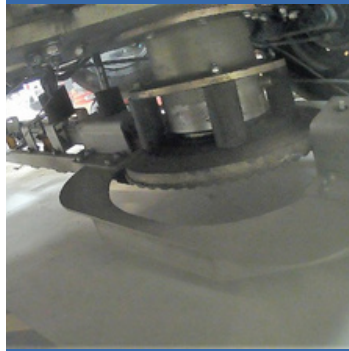


# A TURNKEY TOOL



## Calibration

All sensors are calibrated using traceable calibration reference. Rincent ND Technologies is ISO9001 certified.



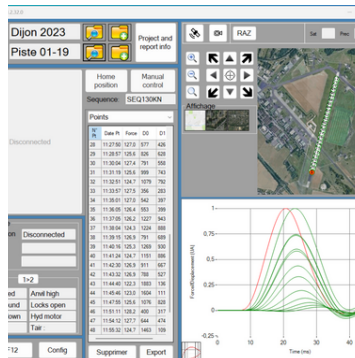
## Integrated camera

Up to 1m accuracy with included GPS. Integrated HD camera for plate positioning.



## Simplified installation

Autonomous trailer that can be installed on any vehicle without modifications.



## Acquisition software

Easy to use acquisition software optimized for tactile use and uncluttered display.



## Reporting software

Data are visualized on a map and automatically exported using web based Mapview application