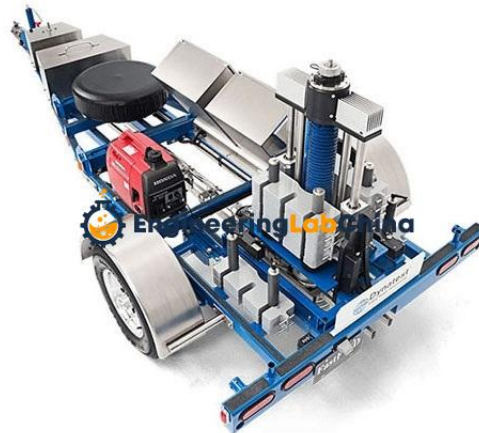


**Product Name :**  
Falling Weight Deflectometer

**Product Code :**  
CHINAELABC2710019



**Description :**

Falling Weight Deflectometer - Falling Weight Deflectometer can also be used in determining the actual material used and in what combination to build the pavement surface.

**Technical Specification :**

Excellent for use in a wide range of bitumen and asphalt testing industrial procedures. It's the ideal tool for use in an bitumen and asphalt testing workshop and engineering lab. It also identifies voids underneath the surface or how two surfaces, typically concrete slabs, are in contact with each other.

A Falling Weight Deflectometer (FWD) is used to measure the vertical deflection response of a surface to an impulse load.

Precision load measurement and deflection sensors record the pavement surface characteristic, which is used to calculate pavement proper ties such as Bearing Capacity Layer Thickness E Moduli Expected Surface Life. FWD is user-friendly with an automatic self-check of results – data is easily transferred to PC via the USB memory key or by a direct connection.

**Falling Weight Deflectometer Main Advantages:**

Multi load control including allowable load, allowable deflect height, target deflect length (specially for void testing)

Equipped operate software with GPS function to locate the testing position precisely.

The global quickest testing speed per point (3 drops) is ? 20 seconds, and available to reduce to ? 10s per point if fast measurement software applied. While other our local suppliers only could reach the testing speed per point(3 drops) to be about 40 seconds in average, even compare to imported FWD with the testing speed per

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point (3 drops) about 30seconds, FWD has the great advantage on the testing speed.  
Fully-automatic one-key operation for operator when arrived at the testing location, also automatically to change into lock condition after testing process done.  
High deflection accuracy based on unique laser absolute calibration.  
Bisync lift platforms for FWD  
Backup plan for each main function to guarantee better reliability.  
Larger deflection range:  $\pm 3.5\text{mm}$  ( $\pm 5\text{mm}$  optional)  
Intellective remind function of operate software to guide the driver to park the vehicle at the right testing location.



**Engineering Lab China**