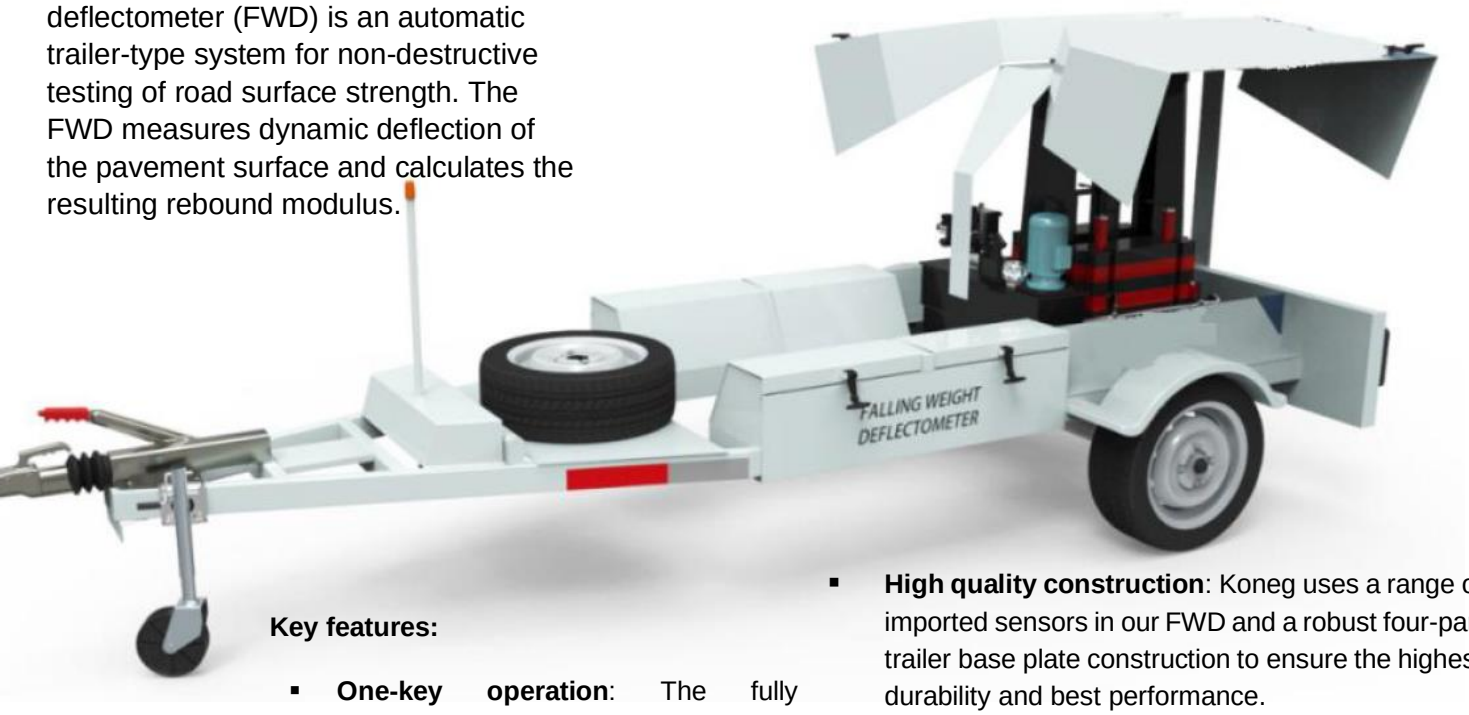
SA100-1A AUTOMATIC FWD

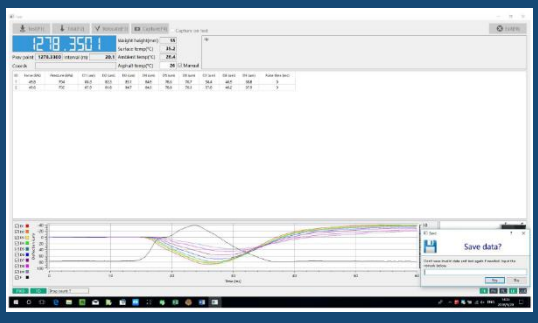
FAST.
COST-EFFECTIVE.
ACCURATE.

The SA100-1A falling weight deflectometer (FWD) is an automatic trailer-type system for non-destructive testing of road surface strength. The FWD measures dynamic deflection of the pavement surface and calculates the resulting rebound modulus.



Key features:

- **One-key operation**: The fully automated system allows the whole testing to be completed in one click.
- **Comparable against the best:** Our FWD matches the performance of the Dynatest 8000.
- **High quality construction**: Koneg uses a range of imported sensors in our FWD and a robust four-part trailer base plate construction to ensure the highest durability and best performance.
- **Vehicle synchronization:** Synchronized turn /brake/back/warning lights, inertial braking, and battery charging with the pulling vehicle.



Integrated software with wireless data transmission: All data, including real-time load plate status from the FWD is automatically pushed via Bluetooth to our proprietary data capture software (Windows only).

TECHNICAL SPECIFICATIONS

Hammer weight	450 kg
Operating speed	0 – 120 km/h
Testing speed per point	25 – 30 s
Deflection type	Magnet electric speed sensor
Number of deflection sensors	Up to 9
Deflection range	±2500 um
Deflection accuracy	2%
Deflection repeatability	1%
Loading force	12 – 150 kN (can be extended to 250 kN)
Loading pulse type	Half-sine
Loading repeatability	2%
Loading resolution	0.1 kN, 1 kPa
Temp. range	-50 – 100℃
Temp. resolution	0.1℃
Temp. accuracy	0.50%
DMI sensor (1 pc) type	Pulse coder
GPS horizontal accuracy	±2 m

The SA-100-1A is equipped with sensors to measure:

- Deflection value
- Load value
- GPS location
- Temperature

Our FWD systems are also customisable, featuring a choice of sensor types and number. Typical specifications are found here.

"Safety is also a key feature of the SA-100-1A FWD, featuring a double locking hydraulic system and an emergency system which lifts the load plate during failure"

OFFICIAL DISTRIBUTOR

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