

KESSLER SOILS ENGINEERING, PRODUCTS, INC.

By

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KESSLER SOILS ENGINEERING, PRODUCTS, INC.



- **KSE is a Northern Virginia Corporation established in 1994 to provide high-quality Dynamic Cone Penetrometer (DCP) kits.**
- We offer an extensive line of DCP products to meet the customers' specific needs. We feature both Single and Dual-mass Hammers, Disposable Cones, Data Collection Systems and our new Automated DCP. We also offer Moisture Measuring Devices, and Light Weight Deflectometers (LWD).
- Web: WWW.KESSLERDCP.COM

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Zorn ZFG 2000A Light Weight Deflectometer for Asphalt Testing

- Zorn has two [The Light Weight Deflectometer for Asphalt](#)
 - **Existing asphalt:** designed to assess the stability of existing Asphalt layers. The life time of Asphalt layers depends on environmental conditions.
 - **Hot asphalt:** developed to provide deflection and CBR (California Bearing Ratio).

The LWD for existing asphalt uses a 12mm “point” and a 15KG (33lbs) to show the hardness of the asphalt by showing the deformation modulus to a standard temperature 68 F.

The LWD for hot asphalt uses a 50mm “stamp”, 10KG (22lbs) hammer and a different force level.

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MIT SCAN-T2

Is an innovative measuring device that can non-destructively and accurately measure the thickness of pavement layers during construction without the requirement for coring. It provides accurate thickness measurements for road pavement layers for highway, municipal and airport pavements.



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MIT SCAN-T2 Reflectors

- MIT-Scan-T2 Reflectors are used for pavement thickness measurements. Reflector discs come in 3 sizes and 2 different materials :
 - Aluminum- For Asphalt
 - Carbon Steel- For Concrete
- Proper Size depends on the thickness of the pavement your trying to measure.
 - The largest disc (30cm or 11 7/8 in) is used for measuring the thickness of the base coarse of Asphalt.
 - The mid size (12cm or 4 ¾ in) is used to measure the intermediate coarse .
 - The smallest (7cm or 2 3/4in)is used to measure the wear or surface coarse.

