

Dowel position measuring system **MIT-DOWEL-SCAN** soon available



nondestructive • accurate • effective • rail-free



The dowel position measuring system **MIT-DOWEL-SCAN** is designed in compliance with ASTM E 3013 and affords the nondestructive and accurate testing of dowel and tie bar positions in concrete roads and areas.

MIT-DOWEL-SCAN is the first device that scans dowels or tie bars without the use of guiding rails or the scan of a multilane measuring raster. It can be operated by a single person.

As the measuring system can be used on green concrete, it allows the contractor to adjust the dowel bar inserter settings according to its findings.

As for tenderers, **MIT-DOWEL-SCAN** meets the requirements of the contracting authorities. It provides contractors, DOTs and laboratories a reliable and effective solution for self-monitoring and external inspection.

The operational concept is comfortable as simple. The automated data analysis offers accurate results for the depth, side shift and misalignment of dowels and tie bars in less than a minute after the scan.

The measuring principle of the **MIT-DOWEL-SCAN** is based on electromagnetic pulse induction.

Nondestructive testing serves the improvement of dowel positions. Correct dowel alignment ensures the reinforcing function of the bars in a joint as well as the unresisted expansion of slabs. Thus, avoiding complex damages including cracks or uneven levels of slabs, nondestructive testing helps to increase the duration of concrete roads and to lower costs in road construction.



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