

Applications Technology

VÖGELE RoadScan

TEMPERATURE-MEASUREMENT SYSTEM



More quality in road construction due to:

Area-wide asphalt temperature measurement

Measuring range 10m

Simple mounting, no adjustment required

 www.voegele.info



Quality in focus with VÖGELE RoadScan



Making quality measurable is one of the major challenges for contractors and clients worldwide. In road construction, it is particularly important to verify that a constant temperature of the freshly paved asphalt has been maintained, as this is a key criterion for ensuring the quality and durability of roads. As a result, the significance of area-wide temperature monitoring is currently on the rise in an increasing number of markets. With the non-contacting RoadScan temperature-measurement system, VÖGELE provide an innovative and economical solution for the road construction sector.

The scanning and documentation of the freshly paved asphalt's temperature is already specified in tenders in several markets, and in others there are definitive plans to implement this. With its new RoadScan temperature-measurement system, VÖGELE deliver the technology required for the job. And that's not all: the system helps road construction teams to continuously monitor the temperature of the supplied mix. What is more, after completion of the construction job, contractors can furnish detailed evidence that the temperature was maintained within the correct range – thanks to the recorded GPS data, including precise tracking.

The highlights of VÖGELE RoadScan



Area-wide temperature measurement across the entire pave width up to 10m

Real-time display on the paver operator's ErgoPlus 3 console to help the paving team achieve a high-quality asphalt pavement

Simple mounting of the measuring unit without any adjustment (Plug & Play)

Reliable technology thanks to a robust design with no moving parts

High-precision GPS receiver integrated in RoadScan for recording exact position data

Recording of influencing parameters for important analysis data, such as the base temperature before paving and weather data



Simple operation thanks to integration into ErgoPlus 3

Intuitive operation is a VÖGELE feature that is also a benefit for the user of the RoadScan system. This already becomes evident during mounting: before use, the measuring unit is simply installed on the roof of the VÖGELE "Dash 3" paver and requires no further adjustments. It is immediately ready for operation as soon as it is connected.

The system is conveniently activated from the paver operator's ErgoPlus 3 console. The operator can read off the currently

scanned temperatures, which are clearly visualised on the colour display as thermal images. The data is transferred in real time.

As a result, any deviation from the specified temperature of the freshly paved asphalt is detected immediately and can be quickly remedied. This makes the VÖGELE RoadScan system an effective instrument for ensuring high paving quality – without unduly increasing the paving team's work load.





Analysis and documentation

The measured data is saved by RoadScan in the paver operator's ErgoPlus 3 console. After paving, this data can be read off via an external data storage device. At the same time, VÖGELE has taken effective measures to protect the data: a specially designed

memory stick communicates with a VÖGELE interface on the paver operator's ErgoPlus 3 console and this, in turn, transfers the data in encrypted form. The data is analysed in the office with the RoadScan Analysis web application. This permits objective evaluation

of the construction job. Thanks to intelligible and clearly arranged graphs and charts the job site can be analysed on the basis of the recorded temperature data and they allow for filtering measurements according to existing specifications.

The use of the VÖGELE RoadScan system with the innovative WITOS Paving process management solution offers a number of additional analysis options.



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