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**INNOVATIONS
AND TRENDS**



Amberg Technologies: high-performance precision measurements



Conducting measurements with the Amberg IMS 5000

According to the exhibitor, by incorporating IMU technology in the GRP System FX and developing "Amberg IMS 1000/3000" measurement systems, over the last two years, Amberg Technologies has attracted considerable attention and set a new standard. The introduction of the "Amberg IMS 5000" means that the GRP 5000 System, which is used for measuring clearances and existing systems, is now available with the same IMU technology. According to its designers the system opens up a new dimension of precision measurement. The "Amberg IMS 5000" combines a relative and absolute track measurement capability, and using laser technology comprehensively scans trackside objects. Using defined 3D orientation points the system provides 3D imagery without the need for tacheometry or GPS, thereby achieving a measurement rate of up to 4,000 m/h and a reduction in personnel requirements.

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Subject to further change