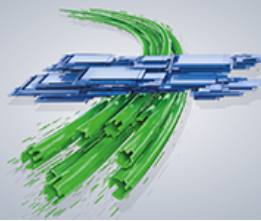




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**INNOVATIONS  
AND TRENDS**



## 3D Wheel measurement system



The wheels are identified by RFID code



Example of the software interface

The system is designed for contactless, automatic real-time measurement of rail vehicles and uses a combination of five laser scanners that are mounted in the track area and calibrated to a common system. As the wheel passes, the diameter, profile and distance between the wheels are measured and corresponding tolerances are given. The data is automatically transferred to the engineers via software. The sensors are self-cleaning and embedded in opening and closing boxes. The 3D wheel measurement system can be extended by additional functions, e.g. weight-in-motion function or the combination with hand-held devices. From the end of the year 2018, measurement at speeds of up to 350 km/h will be possible.

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Subject to further change