



Checking out residual stresses on freight car wheels



Determination of residual stresses in freight train wheels

Fraunhofer IZFP engineers will present the optimized generation of an ultrasonic inspection system at InnoTrans. Damage to freight car wheels can be detected early and wheel breakage in critical situations can be prevented. By optimizing the hardware, experts have succeeded in adapting the so-called UER inspection systems even better to the specific needs of the maintenance and manufacturer facilities for wheels. Test personnel can now run the inspection software directly on the manipulator via touchscreen, combining easy operation with the inspection speed and accuracy of the known systems. All new systems, as well as all systems already delivered, are integrated in Fraunhofer IZFP's remote maintenance network.

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