

1.10.8. AUTOMATED IN-PRODUCTION RAIL-AXLE ULTRASONIC TEST SYSTEM

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This paper describes an inline automated rail-axis testing machine to inspect railway axles using conventional probes and multiplexed ultrasonic electronics. The system is flexible to enable the test of a high variety of axle types following American and European Industrial Standards. Due to its multi channel design it provides short testing cycles and thus high productivity. This system is embedded into a production environment and is fully compliant with the overall production cycle.