

Magnetic Particle and Ultrasonic Inspection of New Railway Wheels

DEUTROMAT & ECHOGRAPH Railway Wheel Test


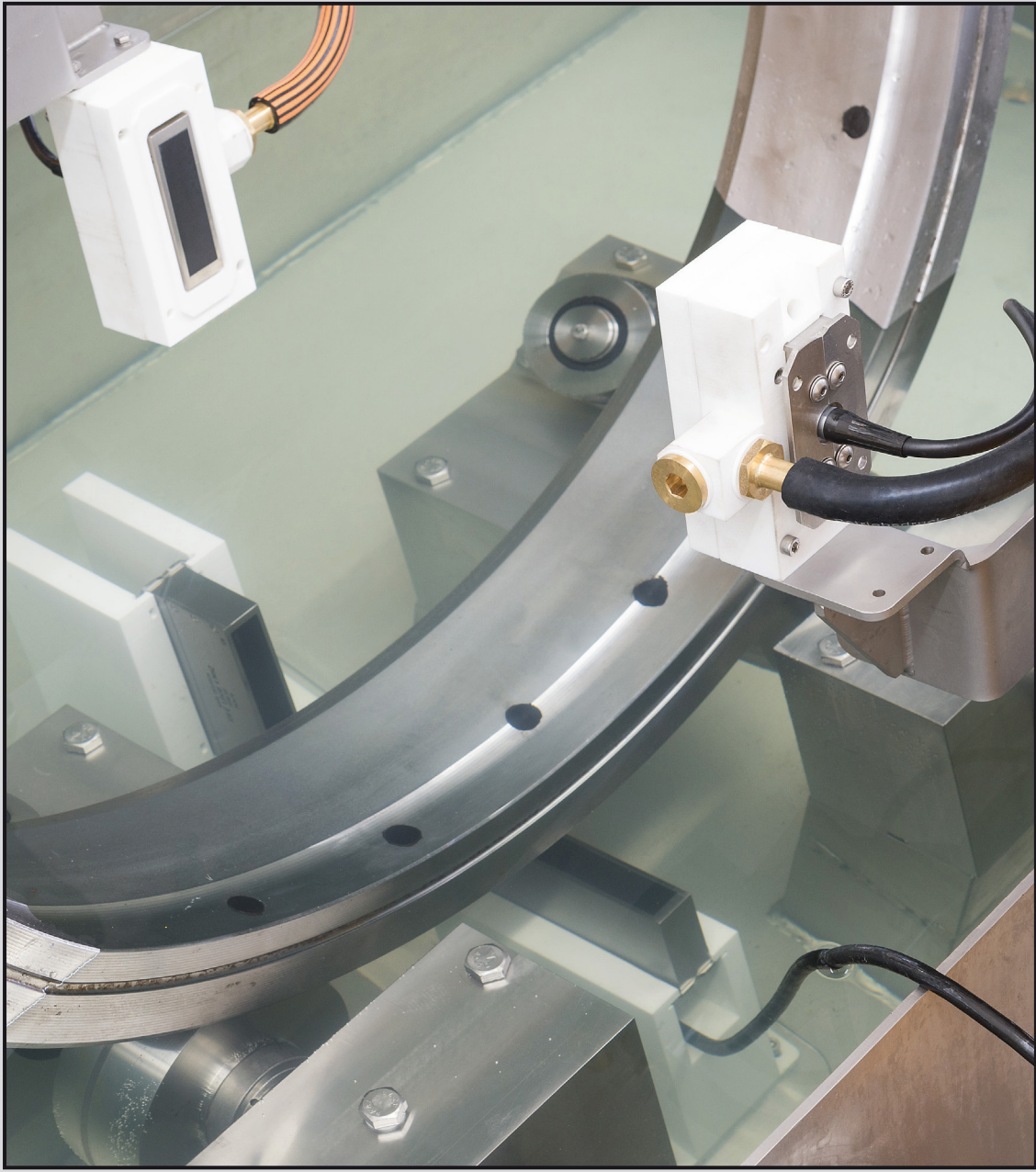

DEUTROMAT Magnetic Particle Testing System for Railway Wheels



Total View with Loading Position (Left), Magnetization Unit and Darkroom Cabin

Trapezoidal Magnetization Coil and Visual Inspection under UV-LED-Lamp (Detail)

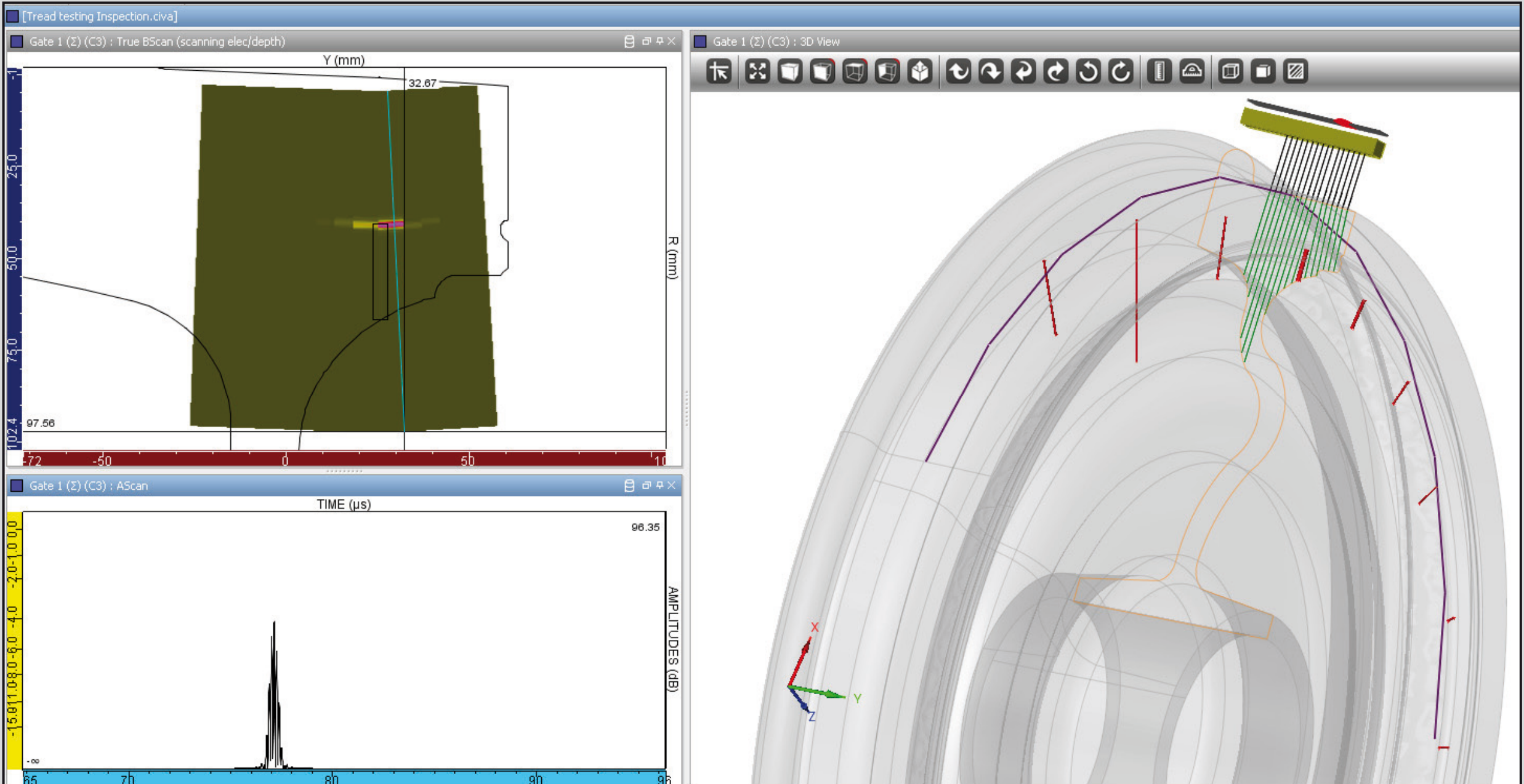
ECHOGRAPH Phased Array Ultrasonic Testing System for Railway Wheels



Wheel Testing within one Rotation with 384 Parallel Phased Array Channels

Immersion Testing of Tread and Rim (2 Arrays)

Two-Sided Hub Testing (2 Arrays)



CIVA Simulation for Tread Testing: B-Scan & A-Scan of Flat-Bottom Hole, 3D-View of Test Wheel