FOERSTER

ECHOVIEW F

Central software platform for BARPROOF ultrasonic inspection systems



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Control, monitor and document every inspection from a single interface. ECHOVIEW F is the central operating, inspection and evaluation software for the BARPROOF phased-array ultrasonic testing system. It combines inspection setup, process control, result visualization and documentation within a single intuitive software environment, supporting reliable and efficient inline inspection of bars.

Inspection recipes, material parameters and order data are managed centrally, while seamless communication with the phased-array electronics and PLC ensures synchronized operation throughout the entire inspection process. During testing, operators receive a live overview of inspection results, system status, warnings and diagnostic information.

From probe calibration and parameter optimization to automatic inspection, result visualization and report generation, ECHOVIEW F supports every stage of the inspection workflow. Comprehensive data storage and automated documentation ensure complete traceability and simplify quality assurance.

YOUR ADVANTAGES AT A GLANCE

Central inspection management: Control inspection setup, process monitoring and result evaluation from one intuitive software platform.

Flexible recipe management: Store and manage inspection parameters, material data and application-specific test recipes for fast changeovers.

Efficient calibration: Automatic balancing of all virtual phased-array probes using reference reflectors ensures consistent inspection performance.

Process reliability: Automatic validation of machine parameters and inspection recipes prevents incorrect inspection setup.

Live inspection visualization: Monitor inspection results, A-scans and line charts in real time during production.

Comprehensive result analysis: Review defect type, position, length and amplitude with clear graphical visualization and detailed defect tables.

Automated reporting: Generate inspection reports automatically for every tested bar and store reports and raw data in the integrated database.

User management and security: Password-protected user levels and configurable permissions ensure secure and controlled operation.

Ready for production integration: Communicates seamlessly with the phased-array electronics, PLC and Level 2 systems for efficient production workflows.

TECHNICAL INFORMATION

SOFTWARE TYPE:	Operating, inspection and evaluation software
COMPATIBLE SYSTEM:	BARPROOF phased-array ultrasonic inspection system
OPERATING SYSTEM:	Windows (multilanguage)
USER MANAGEMENT:	Password-protected user management with configurable access rights
RECIPE MANAGEMENT:	Inspection recipes, material data and inspection parameters
PHASED-ARRAY CONFIGURATION:	Configuration of aperture, focal depth, beam angle and step size
CALIBRATION:	Automatic balancing of virtual phased-array probes using reference reflectors or backwall echoes
INSPECTION VISUALIZATION:	Live A-Scan, B-Scan, line chart and defect table display
RESULT EVALUATION:	Defect analysis including type, position, length and amplitude
DOCUMENTATION:	Automatic inspection reports (PDF) with storage of inspection results and raw data
INTERFACES:	Communication with phased-array electronics, PLC and Level 2 systems

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The FOERSTER Group is represented by subsidiaries and representatives in over 60 countries worldwide. You can find a complete overview on our website.

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