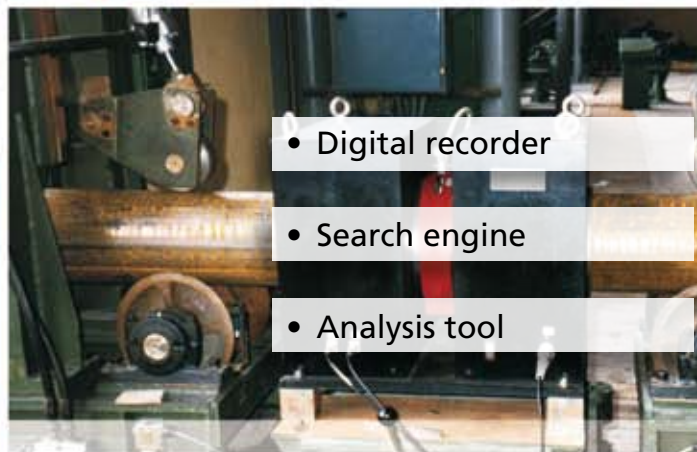


EDDYTREND

Search, visualize and analyze eddy current inspection data



- Digital recorder
- Search engine
- Analysis tool

Monitor production online ...

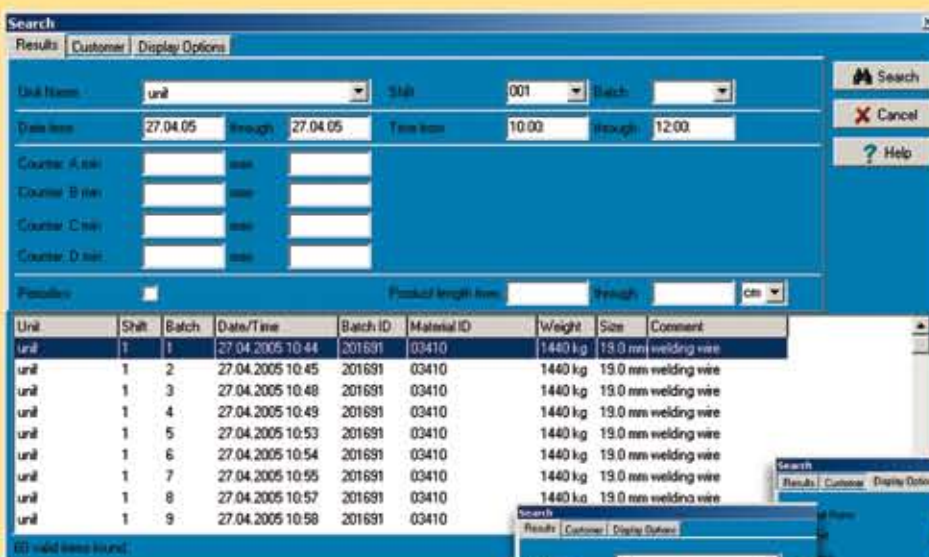


EDDYTREND is a versatile software for the visualization and analysis of the realtime and XY signals recorded by the EDDYCHEK®5 tester during eddy current inspection. EDDYTREND thus also serves as a paperless digital recorder.

Recognize trends

The EDDYTREND online display is ideal for monitoring the production process, showing the current test piece at the bottom of the window. The signals of the previous test pieces from the same production line appear above it, immediately indicating any changes in the process. Different production lines are displayed in separate windows, providing an overview of the entire production process.

... and analyze test results offline



Display and analyze test results

In offline mode a variety of search criteria can be used to search for specific archived data for purposes of analysis, printing or saving the data in HTML format. Realtime signals and the correlated XY signals can be played back at any time.

Search for test pieces

A variety of search criteria enable a selective search for a particular test piece in the archived test results, for example, by date, batch number, production order number or defect count.

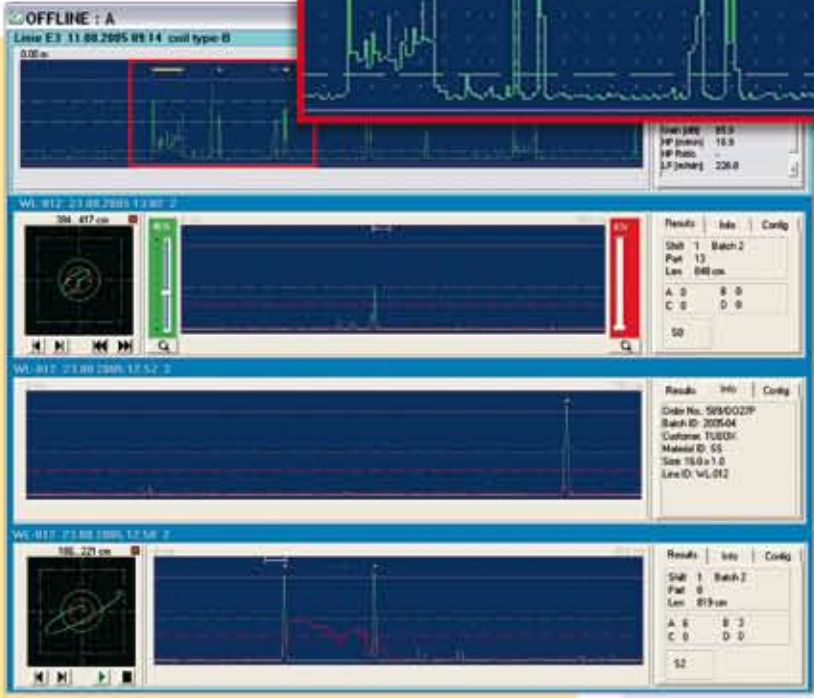
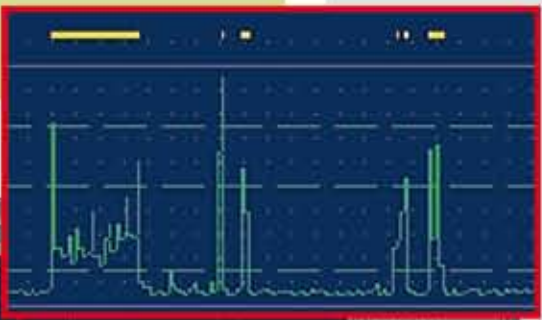


View test info



Current test piece

The current inspection is displayed in real time at the bottom of the window. When the end of the test piece is reached, recording moves up one level.



Display test pieces

Up to four test pieces can be selected and displayed at once in a program window. For closer examination of individual sections, the area of interest can be marked and magnified.

Results	Info	Config
Shift 1		
Batch 4		
Len 222.27 m		
A: 535	B: 103	
C: 82	D: 0	

The shift, batch, test piece length and number of parts are displayed as well as the number of detected defects and sorting classes.

What information actually appears depends on the particular application.

Results	Info	Config
Order No.: 0511478-001		
Customer: INA		
Tester: Schwaiger		
Size: 7		
Line ID: B3		

Customer-specific information on the test piece that was entered as comments before testing took place, is displayed here.

Results	Info	Config
Config 2384.E5.CCF		
Gain [dB]	44.2	
HP [m/s]	0.022	
HP Ratio	-	
LP [m/s]	0.536	
Coil	EDY 3952LS17	
	303038	
	Sens.Wdth 6.0 mm	

The selected parameters and the loaded configuration file are shown on this display.

The file name appears in red if the actual parameter settings differ from those of the loaded file.

If you use Smart Sensor technology by PRÜFTECHNIK, the coil type and serial number are automatically displayed. This ensures seamless documentation of your test results.

Results analysis tool

After inspection has finished, the analysis tool allows you to optimize test parameters for even better defect detection.

In addition, the XY signal display assists you in assessing the position that sector masks require to fit typical defect signals.

Level analysis

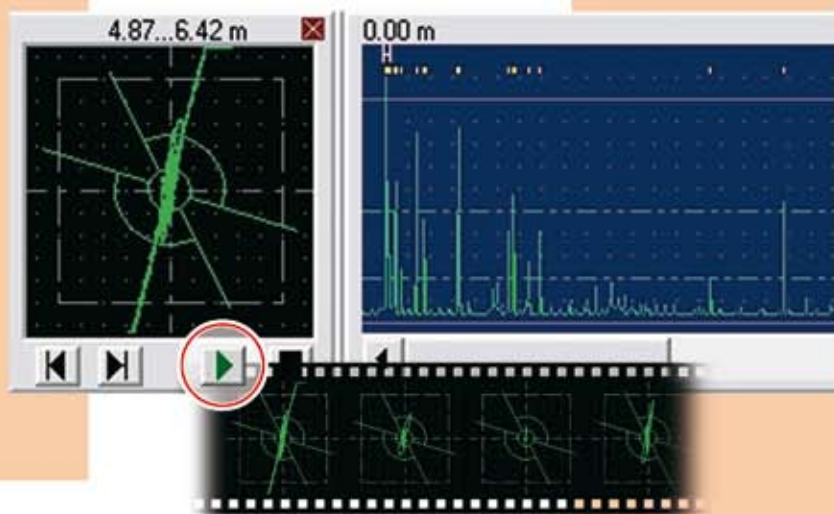
You can define a new alarm threshold after testing to carry out a "What would happen if" analysis. Peaks that exceed this new level are indicated on the realtime display in the respective channel color. The corresponding XY signal is also shown.

Defect search

For those realtime signals that exceeded the threshold the corresponding XY signals can be selected at the click of a button. The indicator jumps from defect to defect showing the actual position on the test piece at the same time.



Signals above new threshold



Signals above old threshold

Saving and printout

You can print out up to four test pieces of your choice plus the XY signal of a specific defect (if selected) on one page.

Alternatively, your selection can be saved as HTML for viewing in an Internet browser, useful for sending to customers, for example, or for integration into defect catalogs.



HTML format

Printout



Note: EDDYTREND runs under Windows® XP and Windows® 7.

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