

# Krautkramer UltraLOG

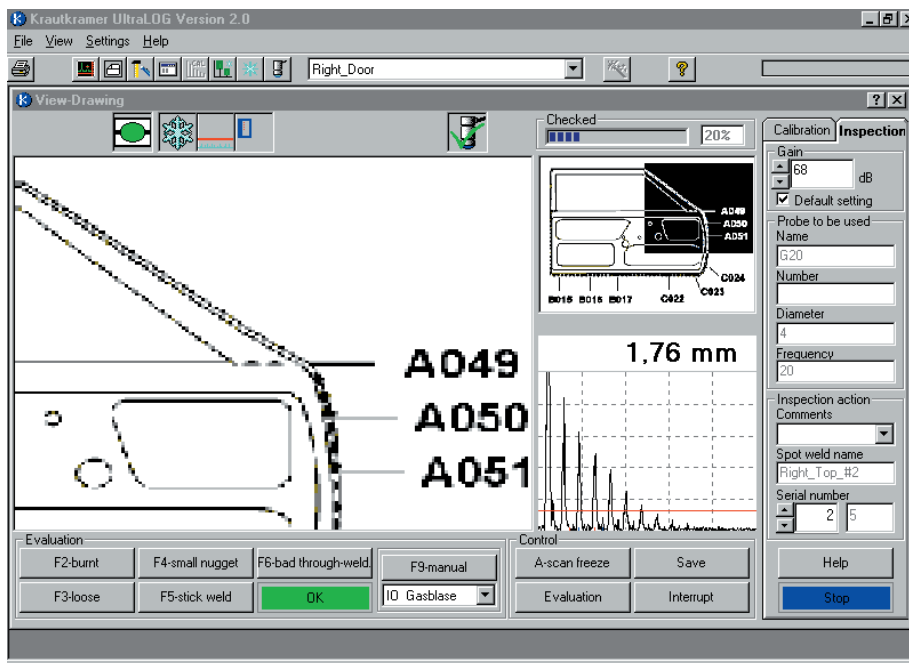
Organized spot weld inspection - custom package solution.

### New paths.

UltraLOG is a database program providing an application-oriented user interface and used, in combination with the Ultrasonic Notebook USLT 2000, for the systematic inspection of spot-welded joints. This system combines ultrasonic know-how with state-of-the-art EDP technology – a package solution for inspection, evaluation, documentation, even comprising the statistical process control. The system allows you to integrate also processes and results of other test methods used by you, such as e.g. the hammer-chipping test. In this way, the program provides a complete documentation of all your test processes which can be integrated into quality management systems without any problem.

### Automatic transfer of values and evaluation assistance tools...

UltraLOG stores and manages test results and helps with the evaluation of echo displays, even including the detailed flaw classification: sound spot weld, loose or burnt spot weld, inadequate weld nugget diameter, bad through-welding/poor fusion, etc. In doing this, the program has three different evaluation assistance tools at its disposal which provide optimized results according to the sheet metal combination and material surface, and which can be adapted to variable conditions.



### ...plus database manager.

As for the planner, UltraLOG has an additional option of a complete database system ready for the generation and management of test results as well as for your test management. You can use individually created inspection and test plans to plan, control and document your test process. These inspection plans are flexibly suited to the structure of your manufacturing process. The inspection and test plans contain the number of spot welds to be inspected, description of test location, material data, test diagrams, and the instrument settings of the ultrasonic system.

### Specifications

#### Application range

Two-to-three-plate testing; single plate thickness from 0.5 mm; coated and uncoated plates

#### Documentation

Data Logger (text/A-scan); storage of any chosen number of test results/A-scans/ ultrasonic settings

#### Test equipment

USLT 2000; 20MHz probes G20MN having diameters from 3.15 to 8.0 mm, other sizes on request.

