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RWINNT - New QC Automation System for KRAUSS Friction Material Tester Type RW

INTRODUCTION

Testing of disc brake friction material has started in the early 1970's with some simple machines. The technology at that time did not allow any data processing. Measured data have been recorded by analog strip chart recorders. Control was done by relays and later by PLC systems. With the introduction of computer science, KRAUSS has implemented these systems step by step for control. The real break through came when powerful PC technology was available on the market allowing both control and data processing at high speed.

KRAUSS - TESTER

The KRAUSS friction tester type **RWS100B** has meanwhile become the latest standard following the former types **RWS60A** and **RWS75B**. Over 170 machines have been built by KRAUSS and sold worldwide ever since. It is estimated that approx. 80 machines are still in use.

ECE-R 90 BASED ON KRAUSS TECHNOLOGY

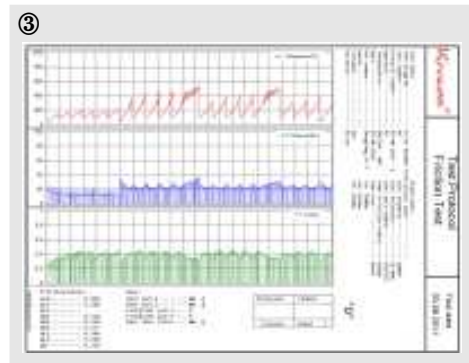
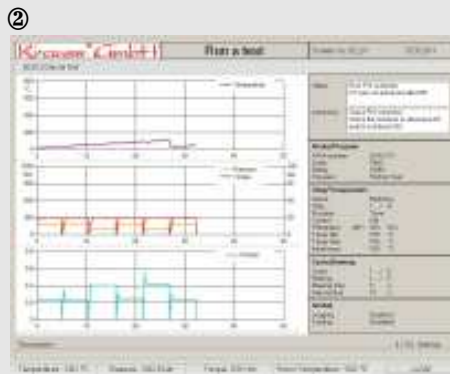
In the 1990's the working group WG2 introduced the way of QC testing based upon the technology developed by KRAUSS. Definitions for testing, evaluation and presentation of results have been made and were settled as a base for the current ECE-R 90 QC test of passenger car (PV) disc brake pads and also for commercial vehicle (CV).

TRANSITION IN SOFTWARE

For more than two decades the automation system RWDOS has made its global way in many different languages and satisfied the needs of control and data processing in QC of friction material makers. The latest release of RWINNT has incorporated the entire look-and-feel. So operators easily can get used to the handling. Screens are designed identical to the former system.

QC testing using automation system RWINNT

- 1 Friction Tester RWS100B
- 2 Test screen
- 3 Report of ECE-R90 test



FEATURES

- Programmed in C#
- Operators language German, English, French & Italian - others upon request
- Strict separation of program and data for testing
- Data stored as XML files in folders for brake data, evaluation methods, layouts, results and test procedures with possibility of data import
- Easy handling by mouse or keyboard
- Tool for design of graphic layouts
- Extensive software manual