

Development of a C-scan Test System for Ultrasonic Inspection of Steel Products

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Synopsis :

The development of new steel products and new materials requires a detailed evaluation of the quality of trial products as a basis for selecting the optimal production method for commercial use. An ultrasonic C-scan test system was developed for this purpose. The system uses ultrasonic waves up to 100 MHz in frequency and scans the transducer with high position-reproducibility to achieve very high resolution. The system was used to inspect a cylindrical body to simulate a cylindrical flaw. Examples of the detection of internal flaws include (1) disbonding between copper and ceramic material in metallized ceramic

高性能 C スキャン超音波探傷装置 KUSS-130 の開発と応用*

川崎製鉄技報
24 (1992) 1, 52-57

Development and Application of Ultrasonic C-Scan Test System with High Resolution, KUSS-130

要旨

鉄鋼製品および新素材の開発において、試作品の品質を詳細に評価し、品質の作り込みに役立つことを目的として、超音波送受信





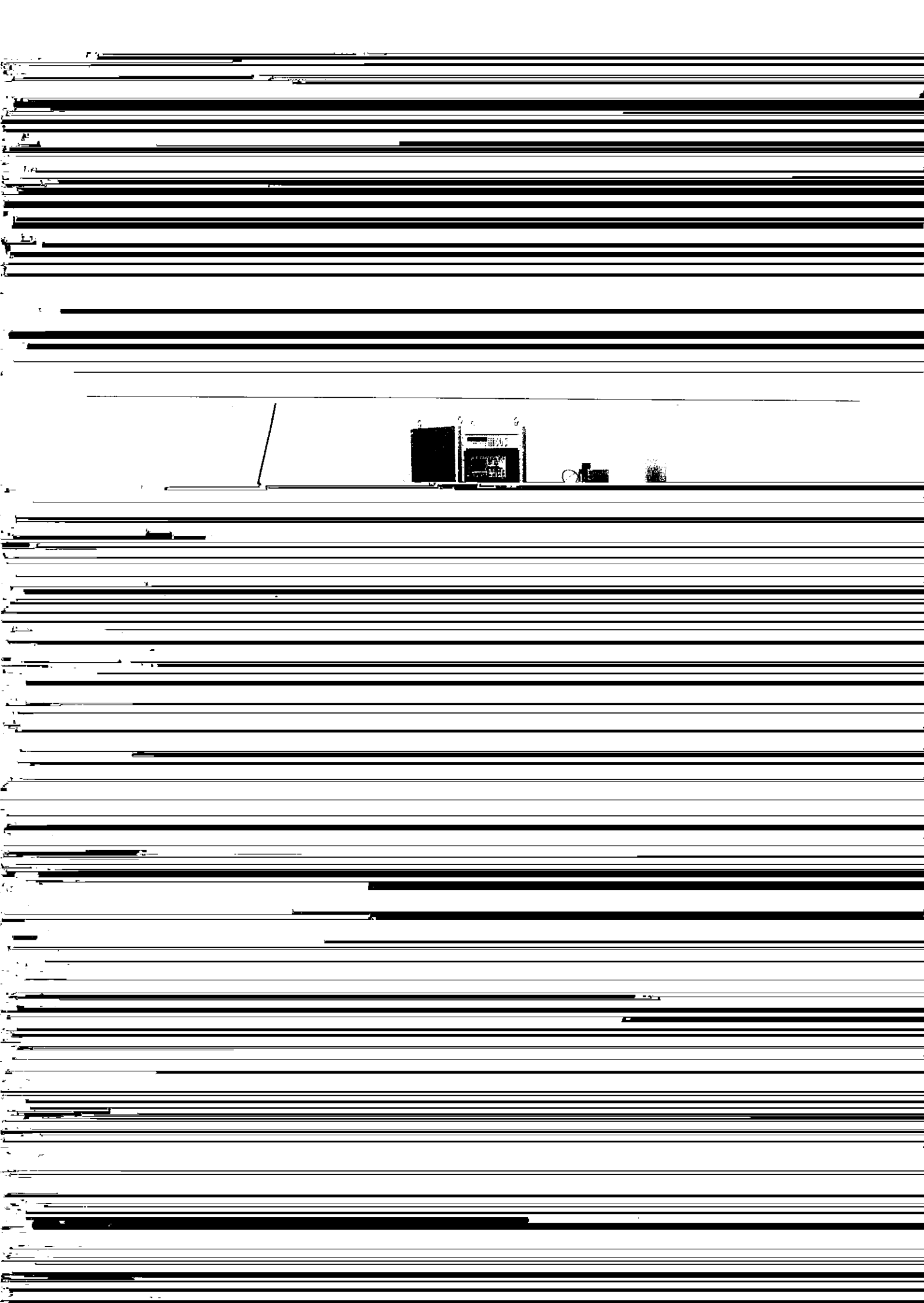
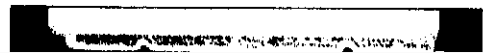


Table 2. Flow recording functions of developed system

Item	Function
1	Flow recording
2	Flow recording
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98	Flow recording
99	Flow recording
100	Flow recording



100X



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