

A micro computer controlled ultrasonic C-scan system

Dasaad Mustafa, author

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Abstrak

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A single board computer based on Z-8Q CPU was used to control an ultrasonic c-scan system, in the movement of test piece and in the data acquisition.

The data collected by single board computer are sent to an IBM-PC compatible computer using a serial interface.

The data, which were sent in hexadecimal form, will store in a diskette. Where the data are further processed using a high level language (Turbo C). An approximate image of the test piece was obtained.