

 National Aeronautical Laboratory	Documentation Sheet	Document Classification RESTRICTED
Title : AN ULTRASONIC C-SCAN SYSTEM FOR THE NDE OF ADVANCED COMPOSITES		Document No. PD ST 9227 Date of issue: MAY 1992
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Division : STRUCTURES DIVISION		No. of copies: 25
External participation : —		NAL Project No. ST-0-141/ ST-9-002
Sponsor : AERONAUTICAL DEVELOPMENT AGENCY (ADA)		Sponsor's Project No.
Approval : HEAD, STRUCTURES DIVISION <i>82</i>		
Remarks : —		
Keywords : Advanced Composites; Non-Destructive Evaluation; Ultrasonic C-Scan System; Squirter Inspection System; Acceptance Tests.		
Abstract : A state-of-the-art computer controlled ultrasonic through transmission jet probe c-scan system for the Non-Destructive Evaluation (NDE) of advanced composites has been set up in the Composite Structures Laboratory (NAL), under the advanced composite technology programme funded by the Aeronautical Development Agency (ADA). The system configuration and specification details were arrived at, after considerable studies, with a view to establish a cost effective c-scan system that would meet most of the NDE requirements of advanced composites, notably that of the CFRP rudder of the Light Combat Aircraft (LCA). The salient features of the NAL c-scan system are presented in this report. In addition, various aspects of the pre-shipment inspection and acceptance tests carried out at the manufacturer's works as well as during the commissioning at NAL are discussed here.		