

M403V FAN BLADE SCANNER

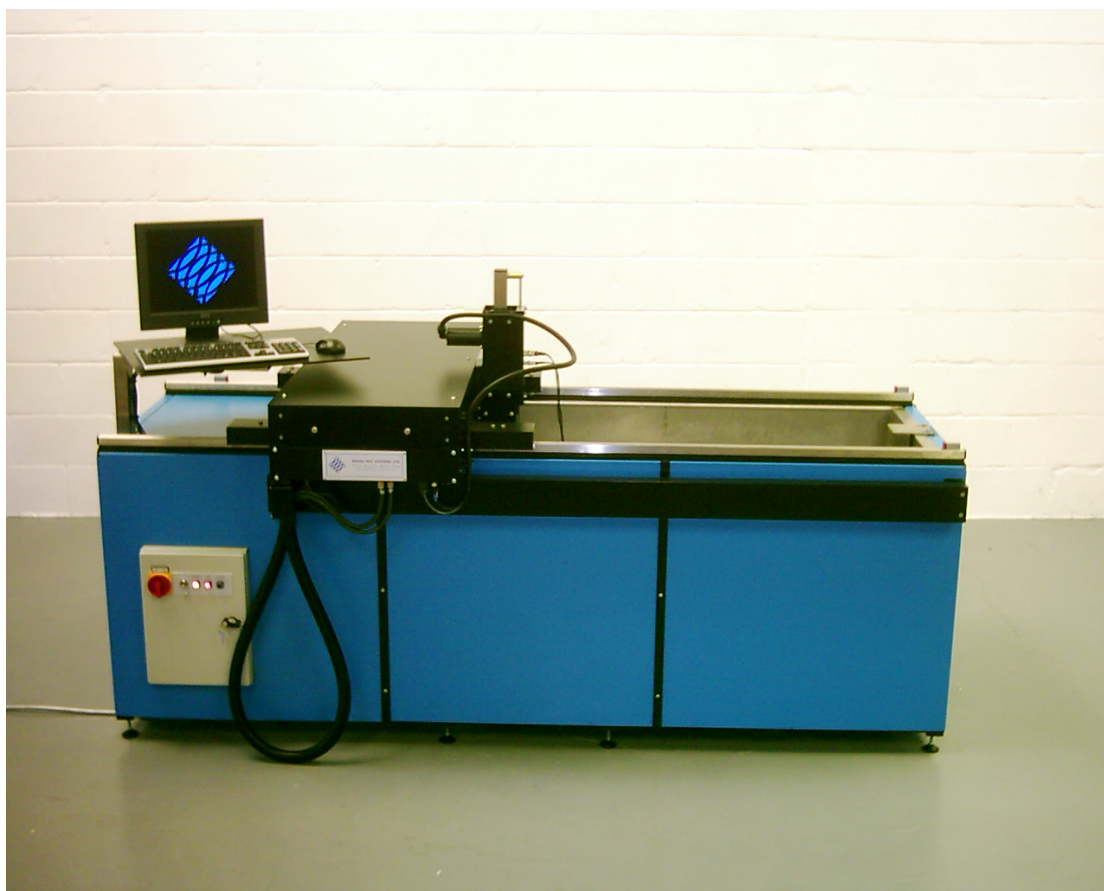
Data Sheet No. 031006 Page 1 of 2



The concept of a fully automated ultrasonic inspection system totally free from expert operator intervention has been a luxury talked about for many years, in 1996 an application demanded it.

Supplied exclusively to Rolls Royce Plc., International Aero Engines AG and their customers, the M401 and M401V have been situated at various engine maintenance bases world-wide.

Originally designed for the RB-211-535E4 and 524 engine fan blades, the system was upgraded in 1999 to additionally cater for V2500 engine fan blades.



The latest system, the M403V, has an integrated three channel (triple probe) ultrasonic flaw detector and is capable of detecting and clearly displaying sub-surface cracks as small as 1 mm by 0.5 mm, all ultrasonic settings and calibration requirements being automatically carried out by the computer system.

The M403V system software is capable of all aspects of system control requiring minimal operator input (blade type, part number etc.). Upon completion of an inspection the software has full auto sentencing capabilities and automatic data logging, removing the need for operator analysis.



Simple operator log on screens lead to.....



.....straight forward pass / fail computer auto sentencing procedure.



To date systems have been supplied to:

- Australia (1)*
- Canada (1)*
- China (4)*
- Germany (2)*
- India (1)*
- Japan (1)*
- New Zealand (2)*
- South Africa (1)*
- Spain (1)*
- United Kingdom (7)*
- United States of America (4)*