

ROTARY INSPECTION SYSTEMS

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Rotary component inspection systems facilitate the inspection of cowling shaped components and have previously been supplied for use on the Rolls Royce Plc. RB2-11 and Trent Aero engines.



The component is placed on a turntable and rotated under computer control through an inspection gantry. Inside the gantry jet probes (squirters), operating in a through transmission inspection mode, index vertically at the end of each component rotation until the complete component height has been covered.



The distance of the jet probes from the turntable centre and their perpendicular attitude relative to the component wall can be set by either the computer or a remote hand held keypad.

Data from the component is obtained through logarithmic ultrasonic systems and can be stored and evaluated on state of the art computer systems using ZEUS data acquisition and evaluation software.

Options are available for full multi-axis versions of this style of system for the inspection of complex shaped engine cowlings and doors.