

# PRODUCT INFORMATION SHEET

## Blade Edge Profile Inspection System

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Fan blade edge condition is a significant factor in the thrust performance of an engine. Torus Measurement Systems Edge Profile Inspection System is a low cost optical instrument designed for the visual inspection of the leading and trailing edges of turbine engine fan.

The system comprises of a CCD camera housed in a hand held aluminum housing that is manually traversed along the edge of the blade, a hardened steel location and roller support ensure that the camera accurately follows the contour of the aerofoil, which is illuminated by an array of light emitting diodes (LEDs) arranged around the location vee.



The profile is viewed on a 10.4" TFT high resolution monitor housed in a protective case, which additionally incorporates a convenient storage tray for the hand module when not in use.

The system is designed for use in a blade manufacturing and repair environment; however, being lightweight and portable the instrument may readily be utilized to inspect fan blades on the wing.

### TECHNICAL SPECIFICATION

Magnification	× 20	
Field of View (mm):	10	
Sizes (mm):	Module:	300 × 400 × 60
	Monitor Case:	435 × 310 × 300
Services:	230 V	115V
	50 Hz	60Hz