

ARIEL



Electronic Warfare

FIBRE OPTIC TOWED RF DECOY

The ARIEL family of Fibre Optic Towed RF Decoys, variants of which have been in service with the Royal Air Force since 1990, provide an effective off-board electronic countermeasure against all modern RF guided weapons, including those employing error cancelling monopulse tracking techniques.

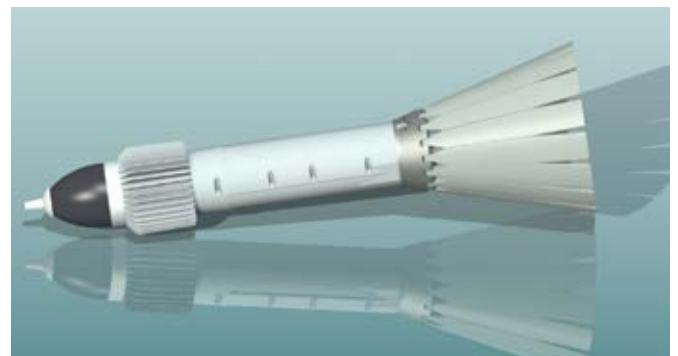
THREAT RESPONSE

ARIEL provides the most comprehensive angle deception electronic countermeasures techniques currently available, to overcome the threats posed by monopulse radars, semi-active missiles and home-on-jam weapon systems.

These countermeasures are more robust than conical scan deception, cross-polar and cross-eye jamming and more enduring than chaff or ejected countermeasures.

COMBAT PROVEN TECHNOLOGY

The ARIEL system has been combat proven on Royal Air Force Tornado aircraft and a version of this system equips the Eurofighter Typhoon aircraft of the Royal Air Force, Royal Saudi Air Force, German Luftwaffe, Italian and Spanish Air Forces.



PRODUCT NAME

TECHNICAL SPECIFICATIONS

Frequency Coverage	H - J Bands
Spatial Coverage	Notched Spherical
Cooling	Air Cooled

ARIEL is a compact, lightweight and cost effective jamming system which can be provided in winched, unwinded, podded or internal configurations, to suit the requirements of the particular platform installation. It is recoverable either during or after flight, dependent upon platform and configuration, for repeated operational employment.

The ARIEL system is capable of installation and operation in every type of fixed wing aircraft including high performance supersonic combat aircraft, including those with a Delta wing configuration, which require the decoy to be operational at speeds up to Mach 2 at conditions of -3/+9g.

PROGRAMMABILITY

The equipment employs countermeasures techniques which are fully programmable by the user to enable the decoy to be used for a stand alone operation, or as part of a fully integrated Self Protection System.



ARIEL pod on RAF Tornado

