low drag electronics pod

innovative…supersonic…qualified.

The Low Drag Electronics Pod is a fully certified housing for transforming an avionics system into an operational payload on a military fast jet.

The whole of the external shell is a composites sandwich-construction (tested to 18 GHz) which allows transmitting and receiving elements to be distributed through the payload. Avionics systems are typically mounted on the conduction-cooled electronics rack with antennas and sensors in the nose and tail. The highly refined aerodynamic shape uses computational fluid dynamics to show that aerodynamic streamlines at adjacent weapon stations are not affected by carriage of the pod and this allows the pod to be certified of a new aircraft type with a minimum of flight testing.

Comprehensively tested to MIL-STD-810F and fully proven in flight testing beyond Mach 1.3, our pods have flown on a variety of aircraft including F/A-18 'Classic' and Super Hornet, F-111, Hawk and PC-9 and are compatible with any fixed- or rotary-wing aircraft equipped with 14" pylons.

Also available are supersonic camera pod variants for stores clearance and reconnaissance applications as well as cargo pods for fast jets.

Electronics Pod Specifications	
Construction	Composite shell with aluminium alloy hardback and conduction-cooled electronics rack
Airspeed Limits	M1.5 / 735 KCAS maximum M1.3 / 635 KCAS typical
Payload	200 pounds (91 kg)
Load Factor Limits	Fully qualified to MIL-A-8591H Appendix A/B including +12 g Nz
Total Length	2410 mm (94.9 inches)
Diameter	396 mm (15.6 inches)
Aircraft Mechanical Interface	MS3314 lugs at 356 mm (14 inch) centres

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