

SERVO CONTROLLED PLATFORMS

- EO Directors
- Laser pointers
- Radar antenna platforms
- EW platforms
- Missile launchers
- Airborne systems
- Customised designs

EXPERIENCE

Ultra Electronics has extensive experience of designing and manufacturing high performance servo-controlled and stabilised platforms and directors for use in many defence applications.

Ultra's servo solutions are in service in a wide range of land, naval and airborne applications throughout the world.

Within the land environment, Ultra has supplied servo controlled platforms electro optical surveillance and tracking, radar antennas and missile launching systems. These systems are used in static, mobile and vehicle-mounted applications, an example of which is the Versatile Missile Launcher platform used on the Thales RAPIDRanger Mobile Integrated Defence System.

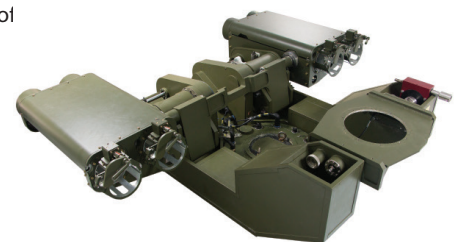
Ultra also produces stabilised platforms and directors For naval and airborne systems. 1, 2, 3, and 4 axis stabilised systems have been supplied.

DESIGN EXPERTISE

Ultra offers a full design capability including the use of advance modelling techniques to optimise servo control and stabilisation. The use of the latest motor technology, accurate and reliable position reporting sensors and novel servo control technology ensures that a cost effective, high level of performance is achieved.

Close relationships with user communities and prime contractors enables Ultra to deliver sophisticated platform solutions that support ease of integration and are resilient to the harshest of operational environments.

Ultra provides a full logistical support infrastructure for through life availability and capability enhancements for mid-life upgrade.



ENHANCED SENSOR AND WEAPON PERFORMANCE THROUGH STABILITY AND POINTING ACCURACY, ON LAND, AT SEA AND IN THE AIR

EO DIRECTORS

Ultra supplies servo-controlled and stabilised directors for use in electro optical surveillance, tracking and fire control systems.

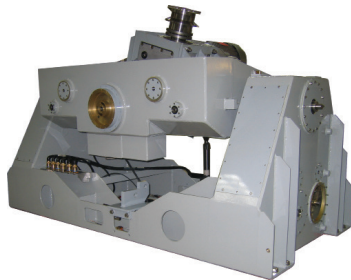
These directors have been supplied into many programmes including the Electro Optical Sensor and Gunfire Control Systems for the Royal Navy Type 45 destroyers and QEC Class aircraft carriers and the British Army Rapier Air Defence System.

MISSILE LAUNCHING SYSTEMS

Ultra supplies platforms for VSHORAD missile systems. These platforms provide rapid reaction and accurate positioning for target tracking and missile launch.

An example is the missile launcher platform and turret for the Thales RAPIDRanger vehicle mounted STARStreak missile system.

THE TERMA SCANTER 4100 RADAR ANTENNA IS MOUNTED ON A 3-AXIS STABILISED PLATFORM DESIGNED AND MANUFACTURED BY ULTRA



RADAR ANTENNAS

Ultra supplies 2 and 3 axis servo-controlled and stabilised pedestals for radar systems. These can provide continuous rotation, sector scans or point and track requirements. For land applications the systems are servo controlled, whilst for naval and airborne systems stabilisation against platform motion is provided.

Ultra is able to offer pedestals for antennas weighing less than a kilogram through to large shipborne surveillance antennas in excess of 500kg.

An example is the Stabilised Antenna Platform for the Terma Scanter 4100 radar, which is in service with several navies including the UK Royal Navy and Royal Danish Navy.

ELECTRONIC WARFARE ANTENNAS

Customised 2 and 3 axis servo-controlled and stabilised platforms are supplied for Electronic Counter Measure Systems for both Naval and Land applications.



making a difference

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