



L3HARRIS™
FAST. FORWARD.

RELEASE SYSTEMS – U.K.

Safe carriage and release solutions designed,
manufactured and tested in the U.K.





MISSION SUCCESS DEPENDS ON THE SAFE CARRIAGE AND RELIABLE RELEASE OF WEAPONS, SUCH AS BOMBS AND MISSILES.

INDUSTRY-LEADING SUSPENSION AND RELEASE TECHNOLOGY

For over 70 years, L3Harris has designed and developed industry-leading carriage and release systems for fighter, rotary-wing and unmanned platforms. Our mission-critical release systems equipment is on most major airborne fighter platforms worldwide, including the F-35, along with other aircraft like the Gripen and Typhoon. We take pride in having zero in-service failures with no in-service pylon damage.

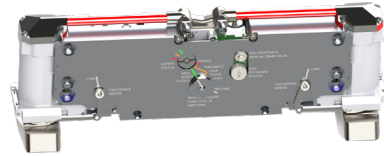
DESIGNED AND MANUFACTURED IN THE U.K.

L3Harris designs, manufactures and tests a large portion of its release systems portfolio in Brighton, U.K. Our Brighton facility offers 48,500 square feet of manufacturing space for the development of high-performance, multi-station solutions used to launch air-to-air and air-to-ground munitions from bay, wing or fuselage stations. This facility is one of 15 U.K. sites across which L3Harris employees develop and deliver unique capabilities for military, security and commercial customers worldwide.

L3HARRIS CARRIAGE AND RELEASE SYSTEMS – U.K. PORTFOLIO

PNEUMATIC SINGLE CARRIAGE AND RELEASE SYSTEMS

Scorpion™ — Scorpion is a compact, pneumatic unit designed to safely carry and reliably eject air-to-ground stores from fast-jet weapons bays, multiple store carriers and other high-performance air platforms, including the U.K. F-35 Lightning II.



Scorpion

PNEUMATIC MULTI-STATION CARRIERS

SPEAR™ — The SPEAR carrier, developed under the U.K.'s Selective Precision Effects at Range (SPEAR) program, enables multiple 113.4-kilogram-class smart weapons to be carried in the F-35 weapons bay. This increases the strike capabilities of the fleet.

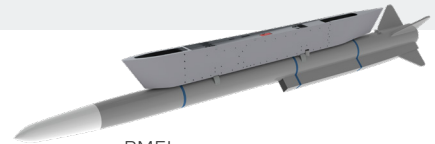
Modular Weapons Launcher (MWL) — The MWL addresses the desire to carry more stores per sortie. It offers the option of two- or three-station carriage of new and existing munitions, including SPEAR, Brimstone and Paveway IV air-to-ground munitions.



Spear

PNEUMATIC MISSILE EJECT SYSTEMS

PMEL™ — This pneumatic launcher is designed to eject modern medium- and long-range air-to-air missiles from high-performance manned and unmanned platforms, including the Saab Gripen.



PMEL

GRAVITY RELEASE UNITS

Wasp™ and Hornet™ — These ultra-lightweight, electro-mechanical units enable safe carriage and reliable release of the emerging class of stores under 23 kilograms. Wasp and Hornet are optimized for use on tactical unmanned aerial vehicles (UAVs), medium-altitude long-endurance (MALE) UAVs and special-purpose aircraft (SPA).

Gnat™ and Gnat HD™ — The Gnat is a lightweight carriage solution for twin-lugged micro-munitions weighing up to 68 kilograms. It is suitable for both MALE UAVs and manned special-role, counterinsurgency and border patrol aircraft. The Gnat HD is designed to carry the GBU-59 113.4-kilogram, laser-guided bomb while remaining a lightweight unit and retaining all the features of the original Gnat. It is ideally suited for helicopters, small aircraft and remotely piloted vehicles.

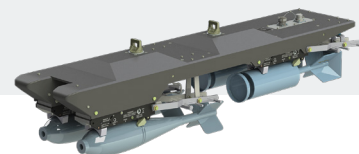
MALTS™ — The MALTS practice bomb carrier is a lightweight solution designed to maximize training efficiency for pilots and joint terminal attack controllers. By combining air combat maneuvers and close air support in a single mission, MALTS helps users gain proficiency in less time – reducing training hours.



WASP/Hornet



Gnat/Gnat HD



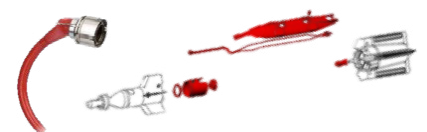
MALTS

SAFE RELEASE COMPONENTS

Field-replaceable Connector System (FRCS) — Failure of carriage and release systems can be catastrophic. Our FRCS is a jam-resistant weapon interface connector that ensures safe release. It is a standard component on F-35 and is found on A-10, B-1B, F-15, F-16, F-18, F-22, Gripen, the Lynx helicopter, Tornado and Typhoon.

Connector Retention Unit (CRU) — The CRU complements the FRCS by allowing the optimum connector position in a bay for a wide range of stores. It facilitates and accelerates weapon loading in confined spaces.

Weapon Umbilical Reliability Test Set (WURTS) — WURTS provides a go/no-go continuity check to resolve MIL-STD-1760 built-in-test (BIT) check failures. It aids ground crews in diagnosing the source of aircraft BIT check fails by eliminating the umbilical from the equation on the flight line. It also improves aircraft mission sortie rate and success by reducing time lost to ground-based equipment failures.



Safe Release Components

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Nonexport-controlled Information

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

