



Brimstone provides a combat proven, low collateral, close air support weapon offering the fast jet operator the unique capability of engaging a wide range of target types, including fast moving vehicles / vessels in both land and naval environments and in both direct and indirect modes.

The latest generation Brimstone builds upon the successful Brimstone Urgent Operational Requirement (UOR) which deployed the weapon into front line operations with the RAF. Operationally deployed in the Afghanistan and Libya conflicts, Brimstone has proved to be the weapon of choice with its ability to perform surgical strikes in time critical missions with a true day / night capability.

The system can be operated in three separate modes, each providing the user with flexibility and high confidence in mission success:

Mode 1: Semi-Active Laser (SAL) guidance, to engage static targets with limited or no radar cross section (RCS)

Mode 2: Both SAL and Millimetric Wave radar guidance for fast moving targets in cluttered environments

Mode 3: Fire-and-Forget simultaneous target engagement is also available

Brimstone is fully integrated onto Tornado GR4 and integration is underway on Typhoon and Future Attack Helicopter. The weapon system is also suitable for deployment on a wide range of UAVs, land and surface platforms.

- **Proven capability against both static and moving / manoeuvring targets**
- **Pin point accuracy and low collateral damage**
- **Human-In-The-Loop capability to meet restrictive rules of engagement**
- **Triples the weapon load out per pylon**
- **Standard interface assisting rapid integration to a large number of platforms**
- **IM compliant**

## **BRIMSTONE**

### PRECISION ATTACK WEAPON



## AIR

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Combat aircraft armed with the Brimstone weapon offer reach, speed, flexibility, precision and the ability to engage multiple targets with a single mission load. When used from a fixed wing platform, Brimstone provides a rapid response for Close Air Support and Counter Insurgency that is not possible from helicopters alone.

Brimstone's wide range of target types includes: fast moving vehicles, tanks and armoured cars, bunkers, as well as naval vessels including swarming and individual Fast In-shore Attack Craft (FIAC).

Brimstone's flexibility and maturity enable rapid integration onto other platforms.

#### Seeker

- Millimetric Wave (mmW) radar
- Semi-Active Laser (SAL)

#### Navigation & Guidance

- Inertial mid-course navigation and seeker determination for target acquisition
- Compatible with all STANAG 3733 laser designators
- Tandem shaped charge warhead effective against a wide variety of targets
- Defeats all known conventional and reactive armour
- Minimal collateral damage in restrictive engagement scenarios

#### Propulsion

- Cast double base propellant rocket motor
- Strip steel laminate motor case

#### Architecture

- Mil Std 1760 for maximum platform compatibility

### Name

- **BRIMSTONE**

### Missile Characteristics

- **Weight:** 50 kg
- **Length:** 1.8 m
- **Diameter:** 180 mm
- **Guidance:** Millimetric Wave Radar and Semi-Active Laser
- **Warhead:** Tandem Shaped Charge

