

# Magnetic Signature Duplicator

Pearson Engineering's Magnetic Signature Duplicator has a world-proven ability to disrupt magnetically fused mines at a safe distance from the vehicle.



## MAGNETIC SIGNATURE DUPLICATOR

The Pearson Engineering Magnetic Signature Duplicator is often used in combination with Front-End Equipment from Pearson Engineering for mine field breaching, surface laid mine clearance and route proving and clearance

The magnetic field generated by this product induces a signal in the fuses of passive magnetic mines that causes their initiation.

The product is used to 'project' the magnetic presence of a vehicle forward in order to protect the vehicle and confuse the magnetic fuse. In general, mine fuses cannot carry out a complete analysis of the magnetic signal coming from the vehicle and look for simpler characteristics which the Magnetic Signature Duplicator can produce.

---

### SCALABLE BATTLEFIELD MOBILITY

Integration of the host Front-End Equipment with the vehicle is made via a Pearson Engineering Direct Fit Interface or Pearson Engineering Quick Connect. The Pearson Engineering Magnetic Signature Duplicator is typically attached to this equipment and can be re-attached to others when the equipment is interchanged.

Our interfaces enable vehicles to be configured to undertake wide ranging combat engineering, mobility and counter-mobility tasks. In this way, a single vehicle can be used to undertake breaching, earth moving and bridging activities to enhance operational flexibility.

Our approach is called 'Scalable Battlefield Mobility' and it intends to provide tactical advantage to our customers.

---

### PRODUCT CHARACTERISTICS

- + Enhanced protection against a wide range of explosive ordnance when combined with ground engaging tools such as the Pearson Engineering Route Opening Mine Plough, Pearson Engineering Surface Clearance Device and Pearson Engineering Route Proving Roller
- + Simple to operate, straightforward to integrate and light weight
- + Proven with Armed Forces around the world

---

### SUITABLE FOR:

- + All military vehicles

