



AMCS

Area Mine Clearing System

AARDVARK LANDMINE CLEARANCE

Since 1982, Aardvark Land Mine Clearance Ltd has been designing and producing a variety of landmine clearance vehicles.

The AMCS, is the latest model in the series, incorporating the lessons learned in world-wide operations in which many thousands of mines have been cleared.

Aardvark is able to offer our proven technologies and experience to the design, development and integration of systems for landmine clearance vehicles and their operation.

THE MOST EFFECTIVE LANDMINE CLEARING SYSTEM IN THE WORLD

Aardvark's multi-role dedicated landmine clearance flail, the AMCS, effectively clears anti-tank and anti-personnel landmines, either by detonation or disruption and operates effectively in the majority of terrain and environmental conditions encountered in minefields throughout the world. Aardvark has been responsible for a range of highly successful mechanical minefield clearance machines, which are currently operating around the globe.

All Aardvark's systems are designed and built as dual-role Anti-Tank and Anti-Personnel landmine clearance vehicles.

Aardvark maintains a policy of continuous machine improvement in all areas, including engine performance, flail depth, flail control and contouring, steering driver safety, driver comfort, navigation and maintenance - all of which make the Aardvark and its latest variant, the AMCS, the most effective landmine clearing system available.

In all Aardvark's machines, total safety of the crew is assured. Aardvark is exceptionally proud of the fact that no crew member of an Aardvark has ever been injured or killed in mine clearing operations.



SUPERIOR PERFORMANCE

The Aardvark AMCS is effective in a variety of ground conditions, both flat and undulating, with gradients of up to 40°. It will clear dense surface scrub of 3m in height and trees with a trunk diameter of 15cm. It will also take out booby traps and trip wires.

Trees and vegetation are reduced to mulch, leaving a level, clear area which can easily be checked by hand teams, if required. To ensure maximum percentage clearance, every piece of ground covered by an Aardvark machine is struck with sufficient force to disrupt/destroy and/or detonate surface and sub-surface mines in its path. An automatic contouring device ensures the flail is in contact with the ground at all times. Clearance depths of up to 800mm are achievable.

INTERNATIONALLY ACKNOWLEDGED

Aardvark mechanical landmine clearance equipment has proved its superior performance in post-conflict area mine clearance.

It has been involved in operations for the United Nations in Afghanistan and Lebanon, and has operated in commercial clearance projects around the world including Kuwait and Egypt.

The Libyan authorities have an extensive fleet of Aardvark mine clearance systems and support equipment operating in-country.

It has been used by the British, Canadian and French forces in Bosnia, by humanitarian mine clearance agencies in Angola and Mozambique and for a substantial mine clearance project in the Jordan valley.

Aardvark has also been purchased by South Korea for landmine clearance of the demilitarised zone, and by British and American forces for clearance in Afghanistan and Iraq. France, Holland, Saudi Arabia, Jordan, Pakistan, Ireland and fifteen other countries have also chosen Aardvark machines for their landmine clearance operations.

CONSULTING, TRAINING, SUPPORT & INFRASTRUCTURE

Aardvark Mine Clearance systems and personnel are actively involved in the detection, clearance and removal of mines and UXO on land including battle fields and military firing ranges.

Aardvark can provide expertise in the creation and implementation of SOPs for the safe investigation, survey, de-contamination & handover of land contaminated with AP, AT, UXO and other remnants of war.

CONSULTING & TRAINING WORLDWIDE

Aardvark is actively involved with the detection, clearance and removal of mines and unexploded weapons on land from battle areas and military firing ranges. Aardvark has worked for the United Nations to provide training for local personnel in surveying and mapping minefields, and in the operation and maintenance of Aardvark landmine clearance machines.

MINEFIELD CLEARANCE SERVICES WORLDWIDE

Aardvark can also provide personnel and equipment to carry out large scale mine-field and battle area clearance in the desert and on beaches, using a combination of mechanical and manual methods.

OPERATOR & TECHNICIAN TRAINING AND SUPPORT

Aardvark instructors have many years experience of live minefield clearing operations and provide a full training programme for customers' operators and mechanics, with normal course duration of one month.

The preferred venue is the client's own country immediately after commissioning, but training is also available at Aardvark's base in Scotland. Students are provided with all the relevant manuals during the course, and are presented with a certificate on successful completion.

Aardvark also provide Operators, Mechanics and Logistics Support to ongoing operations, for both short and long-term projects.

Each machine delivered is usually accompanied by a comprehensive spares package. Aardvark also maintains a large and comprehensive range of spares and urgent requests can normally be shipped within 48 hours. Aardvark maintains a policy of continual improvement and efficiency and is proud of its strong relationship with its clients, and the after sales support provided to its customers.

Whatever your requirements, if you have an issue with landmines and their effective clearance, anywhere in the world, contact us now.

AARDVARK AMCS SUPERIOR PERFORMANCE...

AARDVARK DESIGNED FOR USE

- Operator survivability • Machine Survivability • Efficiency

TRIALS PERFORMANCE

Aardvark Flail Systems have undergone a number of operational, environmental and destructive trials, all of which have confirmed its effectiveness.

Survivability testing by the Dutch Army utilising live 26C1 AT mines placed under the tracks, wheels and cab, in addition to a DM31 bounding fragmentation mine placed perpendicular to the vehicle showed that, when detonated, no damage was done to the operators cab or engine compartments and no pieces of shrapnel or fragments from the bounding mine penetrated the steel plating of the cab, engine or the armoured glass of the cab.

The UK Ministry of Defence carried out a series of operational trials of the Aardvark system in different ground and vegetation conditions. The trials report stated "Aardvark performed well, clearing mines on the flat and on slopes. The overall percentage clearance rate was in line with UN expected standards of clearance".

Recent third party testing in line with CEN 15044 of survivability and performance of both the flail and prime mover have shown the exceptional ability of the Aardvark AMCS.

COMPREHENSIVE ROLE

Mines come in many forms and some are designed for specific targets. The variety of types, size and mechanisms are only limited by the technology available. Today, they range from simple pressure mechanisms to sophisticated seismic activated devices. They can incorporate anti-handling devices, booby traps and self-destruct/neutralising mechanisms.

Aardvark has developed systems such as the SMCS (Surface Mine Clearance System) and the Airfield variant of the AMCS to be able to clear Scatter-able munitions from hard, flat surfaces such as runways, taxiways and administration areas.



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