

Vehicle Armor Systems

Ceradyne has developed a new vehicle armoring system that encompasses the latest protective products for tactical wheel and logistical support vehicles. The advanced technology system is ultimately flexible and responsive to local threat requirements allowing fast and effective adjustments to armor protection levels and consequent survivability.

Combat Vehicle Armor

Threats continue to evolve on the battlefield. Troops require increased protection as they face increasing lethal threats in today's combat environment. The BULL™, both a 6-man and a 10-man variant of the MRAP II (Mine Resistant, Ambush Protected) vehicle, offers that protection.

The BULL advanced-technology armored solution is a fully integrated armored vehicle design. It takes advantage of advanced armor technology and modular design to provide protection beyond current MRAP vehicle capabilities. The BULL design has been subjected to, and has withstood, some of the most severe threats faced by US military forces in conflict today, the Explosively Formed Penetrator ("EFP Resistant").

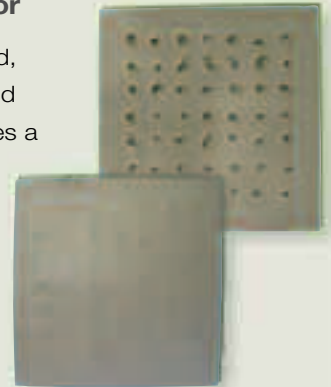
The integrated armor capability of the BULL increases both ballistic and blast protection by avoiding the weak points and seams created by add-on armor solutions of earlier MRAP vehicles. Ideal Innovations, Inc., Oshkosh Truck Corporation and Ceradyne Vehicle Armor Systems teamed to develop the BULL using the most effective vehicle protection package available for urban combat.

RAMTECH2® Modular Armor

RAMTECH2 is a highly engineered, fully integrated, modular armor and blast protection system that utilizes a variety of advanced lightweight materials for direct application on tactical wheeled vehicles. RAMTECH2 materials meet or exceed the threat level protection requirements specified in the US Army's Long Term Armor Strategy [LTAS] and NATO STANAG 4569.

RAMTECH2 incorporates ceramic, metal and composite materials for a ballistic solution that provides excellent multi-hit performance similar to metal but at a fraction of the weight. This versatile, lightweight technology provides a wide range of solutions for any combination of threat level requirements.

Ceradyne modular armor complies with most current requirements of Standard NATO Agreement 4569 [STANAG] as well as domestic protection level ratings such as NIJ and UL. In addition to providing direct fire ballistic protection, Ceradyne's comprehensive solutions include blast protection for both contact detonated and command detonated mines. Vehicle wheel well and underbelly protection designs, available through our dedicated facility at Ceradyne Vehicle Armor Systems, can be integrated into the vehicles overall configuration to insure the survivability of crew members.



Vehicle Armor Systems



Small Boat Armor

While the US Navy deploys small boats to secure harbors during fleet maneuvers, Ceradyne Armor Systems is designing and integrating advanced, lightweight armor systems to protect sailors and small boats under severe operational conditions.



The armor is specifically tailored for small boats, counters any threat currently fielded and does not impact boat performance.

Ceradyne small boat composite armor panels provide customized armor protection levels according to mission specific requirements. The add-on modular armor panels are highly resistant to environmental degradation and incidental damage, and include anti-corrosive attachment hardware and collar area protection. An innovative window protection system that is much lighter than traditional ballistic glass provides protection and visibility to coxswain and crew when under enemy fire.



Commercial Armored Vehicles

For personal vehicles that require added ballistic protection, Ceradyne offers a range of opaque armoring options including composite, steel-composite, and ceramic-composite components. Custom material solutions meet protection level standards including NIJ, UL, and NATO. Ceradyne tailors a solution package to meet customer requirements for protection, space allocation, weight and cost.



F-Series Armored Truck



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Lifesaving Materials and Technology

Ceradyne, Inc. (NASDAQ:CRDN) is a publicly traded corporation specializing in the development and production of advanced ceramic materials. Worldwide vertically integrated manufacturing facilities produce advanced ceramic solutions for the most demanding applications in automotive/engine, industrial wear, medical, electronic, nuclear and defense industries. Since the earliest use of ceramic armor on combat helicopters, Ceradyne has supplied government and industrial armor developers with the materials and technology for advanced ballistic protection. Ceradyne is a worldwide leader in the development and integration of light armor technology.

