



Quick Access To TriMark Industry Solutions



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TriMark Armored Vehicle Products Continue to Gain Acceptance with the World's Most Demanding Customers

Drawing on its 35 years of knowledge and expertise engineering and manufacturing heavy duty door latch and hardware systems, TriMark entered the armored vehicle market several years ago after determining that their products were adaptable to the rugged usage demanded of these products. Initially, TriMark developed several door modules specifically for heavy duty armored vehicle applications. Designed with one-piece construction, these door modules simplify vehicle and field attachment. These versatile products can be used on retrofit, up-armor applications or new surface mount vehicle construction. The flexible, heavy duty design and manufacturing allows for custom configurations to suit your application needs.

In 2009, TriMark introduced *COMMAND*Door. *COMMAND*Door is a complete power assist module that can simply open and close the heaviest of armored vehicle doors with one intuitive motion and be custom engineered to fit virtually any vehicle. The *COMMAND*Door system by TriMark seamlessly connects the operation of the main automotive latch, the combat locks and the power-assisted open/close unit to a single control point of the inside door handle, the outside door handle, or the exterior emergency egress system override for first responders. Now, TriMark is pleased to announce *COMMAND*Door Plus (see product section below).



Engineering Team

TriMark has a dedicated team of engineers that can rapidly respond to customer needs with hardware knowledge and expertise ultimately providing "Turn Key" solutions. TriMark has also invested in rapid production laser and form cells to



provide maximum flexibility to meet tight lead times for prototypes and production orders without expensive tooling and long lead times. Our capabilities also include engineering services utilizing 3D CAD, CNC lathe/machining centers, high volume stamping/metal forming presses, automated RoHS plating line and in-house quality and inspection services.

TriGuard Product Line – A Systems Approach for Armored Vehicles



Offering security, reliability and modularity, one program offered by TriMark has gained quick and appreciative acceptance in the Armored Vehicle industry - the availability of "modular/kitted" door systems. These systems allow a purchaser to utilize a single product number to purchase everything that will be required in terms of access systems for that door while saving time assembling. These robust door product/systems simplify vehicle and field attachment with reduced attachment points and door assembly.

TriGuard Line Continues to Expand

TriMark continues to expand its TriGuard line of heavy duty latches, linkages, handles and door modules, with engineered standard components specifically designed for the heavy duty armored vehicle applications. You now can choose from exterior /interior door handles, several HD rotary latches including TriMark's proven 030-0850 latch/striker module and several Door System Modules. In addition, TriMark can provide custom covers, hinges and combat locks for your HD personnel door, compartments, hatches and access requirements.



Already proven in several blast tests the 050-0850 heavy duty latch/striker survives in punishing environments and provides rotor/cam assist to heavy doors/armor, hinges, compensating for door sag. The exterior and interior door handles are fabricated from high strength plate steel and feature modular attach/quick detach, 1000 hour Cass protection, and soft touch coating. The 010-1100 Heavy Duty Rotating L-Handle features modular construction that allows for customization, including the use of light weight materials without sacrificing strength and retrofits with LTAS Military exterior L handles.

One Piece.....One Supplier..... Infinite Solutions

Utilize TriMark's experienced armored vehicle engineering team to combine the TriGuard rugged door components into a custom single-piece module for your application that is pre-adjusted and ready to install. The 100-3300 HD Up-Armor Kit allows for customization including remote or integrated exterior handle placement to accommodate variable door sizes. Customers that have taken advantage of our patent pending, modular door system approach have been rewarded with assembly labor savings of 30-90 minutes per door, bill-of-material with up to 30 fewer components, reduced engineering hours, reduced lead times, and a significantly simplified supply chain.

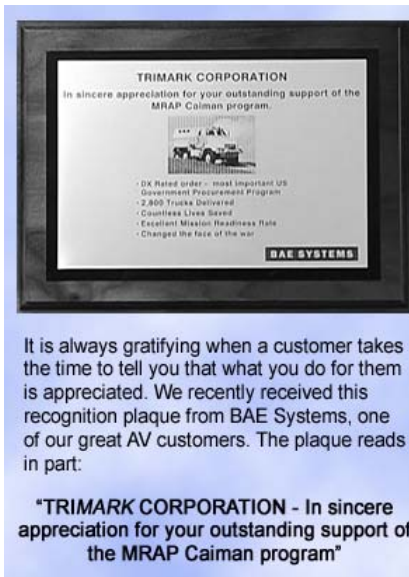
These products can be used on retrofit, up-armor applications or new surface mount vehicle construction and can be purchased as separate products or complete one-piece modules ready for installation. All of these products are purpose designed, simple to integrate, install quickly, are easy to customize and feature robust construction. In addition, the TriGuard line of products is fully compatible offering flexibility and adaptability to suit your specific application needs.

TriMark offers the right combination of products and services providing maximum flexibility to meet your tight lead times for prototypes and production orders without expensive tooling and long lead times.

New Products

TriMark, a company quickly becoming known for providing innovative access solutions to the Armored Vehicle market, will be featuring NEW products at the upcoming Association of the United States Army's 2010 Winter Symposium and Exposition (AUSA).

Exactly one year from the initial debut of the *COMMAND*Door, TriMark is taking this opportunity to introduce its *COMMAND*Door Plus concept which will be featured in a complete and functioning armored door display. *COMMAND*Door Plus is a complete power assist module that can simply and safely open and close the heaviest of armored vehicle doors with one intuitive motion and can be custom engineered to fit



COMMANDDoor Plus

virtually any vehicle. The door fully integrates combat locks with a power-assist actuation and control system to open and close the door for those vehicles with very heavy doors. The inside control COMMAND Handle's unique 2-axis electromechanical design allows for simple and intuitive hand motions by the soldier to activate the open and close action of the door. Powered integration of the combat locks-automatically engaging them after door closure and automatically opening during the door opening, allows for the opening and closing of rear seat personnel doors remotely by the driver or commander from the front seat. Other product details include:

- Designed to withstand the rigors of battle and rugged off-road abuse, the system easily operates heavy armored doors by a 5th percentile female soldier, but stands up to the adrenalin-driven strength of a 95th percentile male soldier.
- Lower current demands reducing on-board electrical draw and battery requirements
- Interior locking mechanism provides additional safety for occupants
- Soldier can actuate combat locks and open and close powered doors and ramps with a single inside release from both the interior and exterior or remote actuation via a switch that can be dash mounted or door mounted
- Integrated safety features assure users and first responder's safe and reliable use.

Also new is the 050-0875 HD Single Rotor Latch which expands the current TriGuard product offering of heavy duty latches, linkages, handles and door modules specifically developed for heavy duty armored vehicle applications. This robust Single Rotor Latch is designed for medium to heavy-duty vehicle entrance and rear door applications. It features a proven single rotor latch design, high strength 8 gauge front mounting plate with flange mounting and is retrofitable with competitive single rotor wedge style rotary latches. Other product details include:



- Custom configured release levers provide for application flexibility
- Can be used on retrofit, up-armor applications or new surface mount vehicle construction

Come to Booth #1213 and check out TriMark's *COMMAND*Door Plus as well as the complete TriGuard line of heavy duty latches, linkages, handles and door modules that are specifically developed for heavy duty armored vehicle applications.

COMMANDDoor Video Soon to be Available on TriMark Website

In mid-2009, the Armored Vehicle Group at TriMark produced a 10-minute video presentation which told the story of the *COMMAND*Door, its features and benefits as well as a detailed review of its operation and functionality. Many of you may have seen this video at past tradeshow or you may have received one from a member of TriMark's A/V Market Team. Soon, the most current version of the *COMMAND*Door video will be available for viewing and downloading from the TriMark website.



You will notice that we've divided the video into five convenient and distinct chapters. We did this for a couple of reasons. First, we wanted to give you access to specific areas of the video without forcing you to start at the beginning to get to the material you wanted to review. Secondly, we know that there are a wide variety of download speeds and we did not want to compromise the possibility of a speedy download by forcing you to download the entire video.

As new features or components are added to *COMMAND*Door, we will update or add chapters on the website so you will always have access to the most current information.

TriMark Increases Tradeshow Participation in Armored

Vehicles Market

TriMark has announced that they have expanded the schedule of Armored Vehicle market tradeshows in which they will be participants or have a sponsorship role in 2010. This increased participation level is reflective of the acceptance TriMark products are receiving as well as the strong relationships which are being built in this market. Kevin Roths, TriMark Market/Account Manager states, "When we participated in the 2009 AUSA and IDGA shows, we were so pleased with the acceptance level of our products that we felt we needed to reach beyond these shows in 2010 with our products and message."

In 2010, TriMark will be participating in a total of four tradeshows and conferences which focus on armored vehicles. We will feature information on the first two shows now and then later in the year we will send you another electronic communication with more details on the last two shows.

At the first two shows of the year, TriMark will be featuring the new 100-4500 *COMMAND*Door Plus which is the most recent version of this very popular product. This next generation features an Enhanced Powered Door Assist System with Remote Operation. TriMark will also be showing for the first time a new product in the TriGuard product family, 050-0875 HD Single Rotor Latch, which features retrofitability with competitive single rotor wedge style rotary latches.

AUSA's ILW (Institute of Land Warfare) Winter Symposium & Exposition



February 24-26, 2010 at the Greater Fort Lauderdale Convention Center
Ft Lauderdale, FL
TriMark will be located in Booth #1213

The Institutional Army: Enterprise Approach to Success

A central focus of the symposium will be the Army's progression towards transforming while conducting combat operations. Special emphasis will be devoted to the indispensable role that industry partners, such as TriMark, provide to the United States Army. Guest presentations and panel discussions will provide a myriad of information as it relates to the direction and progress of balancing resources, equipment, personnel, doctrine and training to provide the essential protective umbrella that our nation deserves.

The Army has made a substantial investment of time and resources to focus on how best to do business and accomplish the mission of defending the citizens of the United States and fulfilling international commitments. The presentations at the 2010 AUSA Winter Symposium will highlight the efforts that AMC, TRADOC and other Army organizations have made towards transforming the Army using an Enterprise Approach to management.

The key objective of AUSA's ILW Winter Symposium will be to provide an open forum for attendees to interact and participate in discussions about the Army modernization efforts and immediate needs of our Soldiers in harm's way. Participants will be available for challenging questions from the audience.

If you are planning to attend this event please plan to visit the TriMark Booth - # 1213.

IDGA's 3rd Annual Tactical Vehicle Summit



April 19 – 21, 2010
Hilton Alexandria Mark Center, Alexandria, VA

IDGA's 3rd Annual Tactical Vehicles Summit will focus on the challenges ahead for the M-ATV, MRAP, and FMTV community including what will be done in the future development of the vehicles. The Summit will also tackle the issues of what survivability means for each vehicle. Topics to be discussed include:

- Tactical vehicles procurement for the next three years
- The latest detailed updates on the M-ATV in Afghanistan
- Partnerships with industry and military counterparts for upgrades and new initiatives
- Conflicts in Army logistics with tactical vehicles
- Current challenges and solutions for power requirements

On Tuesday, April 20 at 12:15 p.m., TriMark will be making a presentation titled, *Vehicle Doors and Electronics to Increase Survivability*. TriMark will also be sponsoring the attendee lunch that day so please plan to join us if you are attending the Tactical Vehicle Summit.

Military Vehicle Expo



August 11 -12
Detroit, MI

Modern Day Marine



September 28 – 30
MCB, Quantico, VA

