

SPOTLIGHT ON SAFETY®

NEWS | PRODUCTS | SOLUTIONS

Mother & child found by Evolution® 5200HD² TIC in Coral Springs fire

Early in May 2008, the Coral Springs (Florida) Fire Department responded to a report of a fire in a three-story multi-family dwelling. Upon making entry, crews encountered heavy smoke, moderate heat, and some rollover. Furniture and clothing obstructed their path.

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Color enhances tough safety eyewear from MSA Safety Works



MSA Safety Works combines durability and fashion to bring you two new safety eyewear models: Wrapper Red and Essential Style Blue. These safety sunglasses have a strong, rigid frame for tough workers, and colored lenses add style. Both models meet high-impact requirements for OSHA and ANSI.

Newly designed left/RIGHT™ Ear Muffs fit better

All ears are different. Head and ear shapes vary from person to person, and left ear to right ear, yet most ear muffs don't seem to take those facts into consideration.

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Firefighters who routinely carry CO detectors find high levels quickly

Firefighters were called to a Milwaukee restaurant because a woman had passed out, and they thought she might be a victim of carbon monoxide poisoning.

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Retractable Defender® Visor + modern Cairns® Helmet = low-profile protection

MSA's convenient new Defender Visor for modern-style Cairns Helmets stays clean inside your helmet until you need eye protection during rescue, recovery, or overhaul. Just lower it to use it and raise it to stow it securely. Get high performance from the lowest-profile fire helmet available!

For almost 2 years, MSA's Defender Visor has met great success as a unique and highly desirable accessory for Cairns traditional-style 1010 and 1044 helmets.

Firefighters, EMTs, and search-and-rescuers alike will benefit from effective eyewear that they can activate from its storage position within the helmet—quickly, even with a gloved hand.

The optically correct lens eliminates vision distortion and reduces fatigue; and you can choose from 4 lens shades – Clear & Amber Tuffshield, Mirrored, & Smoke. Clear & Amber Tuffshield versions are NFPA-compliant, and all 4 lens shades are ANSI Z87.1+ compliant. No tools are needed to switch lenses.

A Retrofit Kit allows users to upgrade their current 660C Metro® and Invader 664® Helmets. 



Outstanding Altair® 4 & 5 Multigas Detectors alert for “man down”

MSA's super-durable, competitively-priced personal **Altair 4 Multigas Detector** for H₂S, CO, O₂, & LEL has exclusive motion-alert features that make it ideal for confined space entry. When enabled, the optional **MotionAlert™** feature signals that a worker may be in distress if the instrument does not detect motion for 30 seconds. The **InstantAlert™** feature manually allows users to warn others of hazardous situations.

The **Altair 4 Multigas Detector** is as tough and functional as it looks, with distinctly ribbed rubber housing for secure grip and unsurpassed durability. A high-contrast display and three large rubberized buttons enable intuitive, easy operation, even in low light.

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MSA harnesses save window cleaners after scaffolding collapse

In Edmonton, Alberta, two window cleaners, wearing MSA fall protection, hung in mid-air for a half hour after a steel cable snapped and their platform fell.

The accident left the men, 31 and 57 years old, suspended 80 feet above ground. Each wore MSA's Gravity™ 304 Harness which held them in place underneath the courthouse building's overhang while the pair awaited help.

A ladder truck carrying the fire department's technical rescue team arrived, and two rescuers climbed up and unhooked the pair from their safety lines so they could walk down the ladder to safety.

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SAVED



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Mother & child found by Evolution® 5200HD² TIC in Coral Springs fire

While advancing on the fire, firefighters started their primary search, using basic techniques and deploying **MSA's Evolution 5200HD² TIC**. Seeing an image of an adult on the TIC screen, crews found an adult female victim. Another quick search revealed a 2-month-old baby.

As Deputy Fire Chief Frank Babinec reported, "Both victims were removed from the structure and turned over to waiting crews for treatment. Both were unconscious and in respiratory distress. Units arriving after the initial crews established the incident command system, treated and transported the two victims, established a supply line, completed ventilation, secured power, pulled backup lines, performed a secondary search, set up RIT, and established rehab.

"Because of the quick and effective actions of the crews and the use of technology, the fire was contained to the area of origin and two lives were saved. . . . After spending some time in the hospital, both victims were released and are doing well." 🧑‍🚒

SAVED



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Firefighters who routinely carry CO detectors find high levels quickly

Wearing MSA's FireHawk® M7 Air Masks, the firefighters immediately began to search for the source of carbon monoxide. A leak originating from a blocked vent attached to the restaurant water heater was quickly identified, thanks to their MSA Altair Pro CO Detector. Leaks like this often go undetected because this gas is both odorless and colorless. Thanks to the training and experience of the Milwaukee Fire Department and their proper use of the Altair Pro CO Detector, a potentially serious hazardous gas exposure was avoided.

The firefighters, whose FireHawk M7 SCBAs protected them from CO exposure during their investigation, essentially found the problem source before a hazardous CO level was reached to affect any restaurant customer or employee. But, had the CO leak continued undetected overnight, the resulting hazardous environment could have led to fatalities.

Milwaukee firefighters have been carrying CO monitors routinely for the past year, so that they can automatically detect CO in less than a minute after entering a building. This practice protects both firefighters and the public.

Ironically, the woman who originally fainted was found to be free of CO poisoning. 🧑‍🚒

SAVED

"Business as usual" describes FDNY's use of TICs



"Sounds like business as usual on saves with our TICs," wrote MSA rep Ken Pucheu as he forwarded a note from FDNY Firefighter Brendan Houlihan. A Garrison Fire Rep for 6 years, Houlihan reported in January 2008 that **MSA's Evolution® 5200 TIC** had saved another life.

"Ken, just wanted you to know that I personally was just at a fire in the city and we (the inside team of Ladder 56) pulled a 99-year old lady out of an apartment fire in the Bronx on Saturday morning.

"I know companies from the city make grabs all the time using the TIC. For example, Ladder 41 saved about 6 people during the summer." 🧑‍🚒

NIOSH-approved kits enable upgrading to MSA's FireHawk® M7 Air Mask, and NFPA 2007-edition compliance

NIOSH-approved Air Mask Upgrade Kits (to NFPA 1981 and 1982-2007 edition) are now available from MSA. This standard allows firefighters to upgrade their NFPA 2002-edition MSA Air Masks into compliance with the NFPA 2007-edition standards for SCBA and PASS devices.

The new standards establish a greater level of performance for electronics against heat, impact, and water ingress, in addition to CBRN protection and other enhancements to better protect firefighters. 🧑‍🚒



Evolution® 5800 TIC shows better detail with enhanced imagery

For the best and most versatile imaging in firefighting, choose **MSA's new Evolution® 5800 Thermal Imaging Camera** with higher resolution, improved picture quality, 2X digital zoom, and 5 user-selectable palettes.

Get the most detailed images with Image Detail Enhancement (IDE) over the widest temperature range, plus all safety and MSA-exclusive features. 🧯



White Hot Imagery



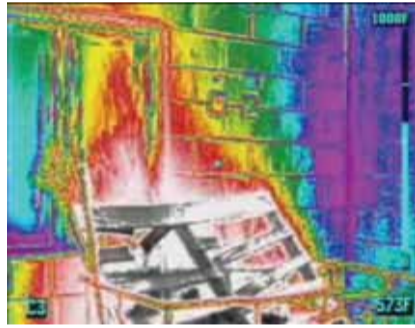
Black Hot Imagery



Fire and Ice Imagery



Fusion Imagery



Rainbow Imagery

Commando HP3® Cairns Helmet protects even better with retractable Defender® Visor

Attention, emergency medical and rescue workers! Together, the sleek Defender Visor and rugged, no-brim Commando HP3 Cairns Helmet give you outstanding durability, light weight, all-day comfort, and the protection required to meet both NFPA 1971 certifications for structural firefighting, and NFPA 1951 certifications for urban search and rescue—USAR.

Great for tight spaces, this is the lowest-profile fire helmet available, with a 3-point chinstrap and bloodborne-pathogen-resistant earflaps. 🧯



MSA's exclusive FireHawk M7 Responder® SCBA converts to APR for extended use

MSA's new **FireHawk M7 Responder Air Mask** is uniquely versatile SCBA protection that can quickly be transformed into a CBRN air-purifying respirator (APR) or a CBRN powered air-purifying respirator (PAPR).



It's easy to convert to another mode of respiratory protection, as your job changes from first response and rescue to scene management and remediation activities.

This practical emergency respiratory protection system meets/exceeds the latest requirements of NFPA and NIOSH standards.

It's the first and only of its kind, and an emergency responder's answer to changing respiratory protection when exposure levels are reduced. Developed to meet the needs of the U.S. Air Force, it represents the latest technical

achievements of MSA engineers, with a foundation built on successful respiratory components proven by thousands of firefighters.

Also, ask about MSA's Accountability System, the only integrated firefighter accountability system on the market. 🧯



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Outstanding Altair® Multigas Detectors alert for “man down”

The unit is independently IP67-rated against dust and water ingress, and passes a 10+ foot drop test. Standard features include a 95+ dB audible alarm, top-and-bottom ultra-bright alarm LEDs, a vibrating alarm, and data logging.

The new **Altair 5 Multigas Detector** offers something extra: an optional high-resolution color display screen with logo customization. It is the first portable 5-gas detector with both MotionAlert and InstantAlert features.

Features include intuitive 3-button operation, triple alarms at 95+ dB, durable rubber/synthetic over-molding, more than 17 preprogrammed languages, Galaxy® System-compatibility, and standard vibrating alarm and data logging. The unit passes a 6-foot drop test and is IP65-rated for water/dust ingress.

Users can choose from many electrochemical sensor options, operation in diffusion mode or via integral pump, and either rechargeable lithium-ion or alkaline battery packs. Standard models carry a 2-year end-to-end warranty.

Both detectors are **MSA Link™ Software**-ready. 



Galaxy® Systems for Altair 4 & 5 detectors automate record keeping & calibration

The **Galaxy Automated Test System**, MSA's automated record keeping and calibration system for many MSA portable gas detection instruments, is now available for Altair 4 and Altair 5 Multigas Detectors.

These standalone test system units require no computer, controller, or network interface. All gas tubing and communication paths are pre-connected.

The pressure-demand regulator doesn't waste calibration gas. Simply place your instrument in its test stand and close the door; testing is performed automatically.

Other features include optional charging capability, replaceable battery pack, and standard web browser accessibility for data retrieval and reporting. 



What's new with permanent instruments?

Chillgard® L Series Refrigerant Monitor now has improved optics



Chillgard LE Monitors, part of MSA's Chillgard L Series, now offer micro-machined component technology for consistency, repeatability, and optimal reliability.

Chillgard LE Monitors provide fast, reliable detection for low level refrigerant leaks. Standard 4-20mA analog output can be connected directly to an existing building automation system or other controller. Relay contacts can be used to turn on fans or other ventilation and signaling devices. Additional features include integral display, status LEDs, optional strobe, and a two-year warranty.



Chillgard® LC Control Modules communicate with up to 8 sample points

Chillgard LC Control Modules communicate with multiple sample points from refrigerant monitors through RS-485 communications. Modules remotely display gas concentration, alarm status, calibration, and fault diagnostics. Other features include water- and corrosion-resistant enclosures, 20-position LCD display with 4-button keypad, 4 internal relays: FAULT and 3 ALARM levels, and display software providing gas concentration, alarm status, calibration, and fault diagnostics.



Ultima® X Series Gas Monitors now feature HART Protocol



Ultima X Series Gas Monitors now have HART Field Communications Protocol, for improved asset management. HART Protocol provides increased sensor data; convenient setup, calibration and diagnostics; and reduced installation costs, since existing wiring can be used.



Chemgard® Photoacoustic Infrared Monitor checks VOC pollution



MSA fixed gas detection instruments are ideal for volatile organic compound applications. The **Chemgard Photoacoustic Infrared Gas Monitor**, configurable to monitor up to eight remote areas, is designed for low-ppm-level VOC breakthrough. Standard features include four relays and 4-20mA & 0-10V outputs. GP, XP, and rack-mount enclosures are available.



SafEye™ Xenon 800 System detects hydrocarbons

MSA's **SafEye Xenon 800 Open-Path Gas Detection System** detects a wide range of hydrocarbons over an open path of up to 120 meters. Resistant to false alarms and poisoning, it has excellent operational records within an extremely wide range of climates.

A unique combination of triple optics and a dual-spectrum sensor allows the system to maintain operational integrity, even with up to 90% signal obscuration. 🧑‍🚒

Sensor X-change™ Program saves time & money



A manufacturing facility where starch food additives are produced requires continuous hazardous gas monitoring. During the process of breaking down the starch from corn, three hazardous gases are produced: hydrogen, sulfur dioxide, and hydrogen chloride. The risk area is confined to a small space, with one point of detection required for each gas of interest.

This facility is a perfect candidate for **MSA's Sensor X-change Program**. The customer agreed, choosing a permanently-mounted Ultima® X Gas Monitor with three sensors plus a three-year Sensor X-change Program agreement.

MSA's exclusive Sensor X-change Program is seamless, enabling on-demand sensor replacement quickly and easily. Type "x-change" in MSA's search feature to see if this program might save you time and money. 🧑‍🚒

New SmoothDome® Slotted Cap works with V-Gard® accessories

MSA's new and improved **SmoothDome Cap** offers a lightweight, comfortable, smooth-surfaced silhouette that accommodates welder's shields and most welding accessories.



This improved helmet complies with customers' requests that its smooth shell be compatible with suspensions and accessories for the current V-Gard Cap. You may choose a 4- or 6-point suspension (including all V-Gard suspensions).

All V-Gard accessories will work on the shell or in the slots of the new SmoothDome Cap, which meets or exceeds ANSI Z89.1-2003, Class E requirements.



The new SmoothDome Helmet (worn with 1-Touch® or Fas-Trac® suspension) meets both ANSI Z89.1 2003 and CSA-Z94.1 2005, Class E requirements. It is CSA-certified to be worn in the reverse position, when you reverse the suspension before donning the helmet backwards.

More striping possibilities for your helmets

We are expanding our line of reflective stripe-type products, as you have requested. Ordering information (description and part number) is arranged in a table, according to sizes (width and length), reflectivity types (high-visibility, reflective, and retro-reflective), and brightness strengths (candle power). Minimum order is 20 helmets. Ask for **Bulletin 0617-03-MC, Logo Express Customization Service.**



V-Gard® Cap now CSA-certified for reverse wear

The V-Gard Cap is now CSA-certified to Z94.1-2005 when worn backwards. This means that you can reverse the suspension before donning the helmet backwards without negating the CSA requirements.

New! Logos on Skullgard® Caps

Finally—something new for “old” helmets!


We can now add a logo on the front of Skullgard Helmets—making it a logoed helmet for the first time in this formidable helmet's 70-year history. Customers have been asking for this option, and we believe that our development team has gotten it right! Call MSA Logo Express at 1.800.MSA.LOGO.

For more information, visit www.MSAnet.com or call 1-800-MSA-2222.

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Newly designed left/RIGHT™ Ear Muffs fit better

MSA's **left/RIGHT Muff** is the first ear muff designed so that the left muff differs from the right for better fit over each respective ear. These muffs are large enough to fit all ear types and sizes, and are available in three noise reduction models: low (NRR 21), medium (NRR 25), and high (NRR 28), at the same price.

This hearing protection comes in new colors; with a new comfort headband design; and with thinner, more flexible noise reduction rings. Also, an AM/FM radio ear muff (NRR 23) is available. 

New Tree-Trimmers Kit is easy-order protection package

Up a tree without head protection? Ask for MSA's new comfortable, durable, lightweight package of head, face, and hearing protection—just right to protect tree trimmers from common hazards on the job.

You will receive a slotted Hi-Viz Orange V-Gard Cap with easy-release faceshield frame, flame-retardant Chip Arrester, wire-screen visor, and Sound Control™ hearing protectors. The faceshield frame attaches directly to protective ear muffs. All components meet or exceed the requirements of the appropriate ANSI standards.




Users should also wear ANSI-Z87-certified high-impact eyewear under the faceshield. Of course, appropriate ANSI-certified fall protection should also be worn during certain tree-trimming operations. 

AirHawk® II Air Mask with Advantage® 4000 Facepiece & EOSTI



Early in August, we launched MSA's new **AirHawk II Air Mask**, which keeps lower-cost options while offering many new choices not available with any other industrial air mask.


The AirHawk II Air Mask offers either the Ultra Elite® Facepiece or new industrial Advantage 4000 Facepiece. The Advantage 4000 Facepiece provides adapters for Twin-Cartridge Respirator conversion (using Advantage Cartridges) or an RD40 Facepiece.

The AirHawk II Air Mask now incorporates as standard the same Audi-Larm™ Audible Alarm End-of-Service-Time-Indicator (EOSTI) as our proven fire service FireHawk M7 Air Mask. AirHawk II Air Masks are available in both low-pressure and high-pressure versions. 

NIOSH approves OptiVizor™ Loose-Fitting Respirator, Hood with V-Gard® Cap

MSA has received NIOSH approval on the OptiVizor Loose-Fitting Respirator used with the OptimAir® TL PAPR. Customers may also use any V-Gard Cap with any loose-fitting OptimAir TL PAPR hood.

The OptiVizor Loose-Fitting Respirator carries an assigned protection factor (APF) of 25 as well as these features: a Z87.1+ certified frontal clear (marked) lens; a brow guard covering brow and front of head; and a special hose (longer than loose-fitting-hood hose).

This respirator is ideal for many PAPR applications, particularly where a 25 APF applies and eye protection is required. Any V-Gard Cap may now be used with loose-fitting hoods by removing the hood's suspension and using the Velcro Fastening Kit. 

MSA's new Workman® Roofer's Kits are easy to order & economical

Grab your all-in-one MSA **Workman Roofer's Kit** for lightweight, economical, quality fall protection that won't let you down!

The four-piece Workman Roofer's Kit consists of a Workman Vest-Type Harness, your choice of a 25' or 50' rope lifeline with a trailing rope grab, a disposable roof anchor, and a reusable bucket. The three-piece Workman Roofer's Kit comprises a Workman vest-style harness, your choice of a 25' or 50' rope lifeline with a manual rope grab, and a carrying bag. MSA's Workman Roofers' Kits meet applicable OSHA and ANSI standards. The four-piece kit is CSA-certified as well. 🧑‍🔧



New Workman® Personal Fall Limiter offers confidence, choices



With its high-quality design and constant lock-up rate, you can be confident that **MSA's Workman Personal Fall Limiter (PFL)** will be there for you when you need it most. With a standard 400-pound maximum working capacity and the assemble-to-order (ATO) flexibility with line length options from 6' to 12', you can be sure to find the right Workman PFL for you.

ATO ordering flexibility allows you to order the exact options you want, and only the options you want. An optional field-replaceable lifeline will eliminate down time and reduce your cost of ownership. All Workman PFLs come standard with an integral swivel connector.

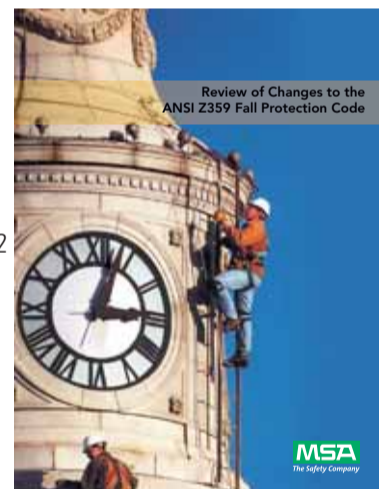
The Workman PFL meets ANSI A10.32 and all applicable OSHA requirements. Select models meet ANSI Z359.1-2007 and are CSA-certified. 🧑‍🔧

MSA's Fall Protection meets new ANSI Z359 Code

To comply with ANSI Z359-2007, MSA's lanyards and self-retracting lanyards now have new snaphook and carabiner connectors with 3600-pound strength.

Anchorage connectors and rescue components meet the Z359.4 Rescue Systems standard, and MSA training now conforms to Z359.2 Managed Fall Protection Program.

Bulletin 2302-27-MC covers ANSI Z359-2007 and compliant products/services. 🧑‍🔧



Expedited delivery program for Fall Protection

What you need, when you need it.

MSA's **"Need it NOW!"** program quickly delivers your choice of over 400 fall protection products. This program offers two tiers of priority shipping: same-day or next-day shipping (Tier 1) or shipping within five days (Tier 2). Call MSA Customer Service to see if your fall protection order qualifies. 🧑‍🔧

MSA Fall Protection arrests fall, saves worker

Roland was attempting to pull a box from the top shelf and place it on a pallet when the Pallet Keeper on his forklift gave way.

Luckily, Roland was attached to an **MSA Aptura® LT 12 Self-Retracting Lanyard**, which arrested his fall before he reached the floor.

MSA's President's Award Program honors workers whose wearing of fall protection gear has prevented serious injury or death. If a fall arrest occurs, the used MSA fall equipment must be turned in, along with the accident report. The safety director or company representative should contact their MSA distributor or call **1-800-MSA-2222**. MSA replaces the used fall protection at no charge.



SAVED

Responder® CBRN PAPR gets perfect score from tactical officers

MSA's **Responder CBRN PAPR** recently received the top rating of 5.0 out of 5.0 possible points from NTOA police officers who field-tested its performance on the job. (NTOA stands for "National Tactical Officers Association.")

This is the seventh major MSA product that has been tested and recommended by NTOA members. Others include the Millennium® CBRN Gas Mask, the Sound Control™ Ear Muffs, the ACH ballistic helmet, and the Releasable Assault Vest (RAV). Products receive a score for each of 13 categories. It's unusual for any product to receive a perfect score for every category from both officers. However, these comments below explain why the officers liked wearing the Responder CBRN PAPR so much.

A police officer from California wrote: "This system is revolutionary! As a trainer, team member, primary and backup gas man, I have worn many military and commercial protective masks over 20 years. Nothing short of an SCBA has ever come close to the comfort and visibility of this system."


"The system filters the air and provides it to the wearer under pressure, with the virtual elimination of any closed-in feeling and fogging.

"The filters are also superior to any that I have ever used, stopping even the smallest particulate matter. If you are involved in any sort of tactical team that uses chemical munitions, you owe it to yourself to purchase this system. This system renders all others obsolete."

A police officer from Virginia commented: "When I first got this kit, I was a little overwhelmed, having had little previous experience with PAPRs, but within 5 minutes, the unit was operational, the components were properly placed, and I was seriously impressed."

He was surprised to find that, despite all the equipment that officers now have to carry, the PAPR added more benefits than noticeable weight. He noted that the cool air flow from the blower kept him refreshed and alert. Physical exertion, such as running stairs, "never sapped my strength." The mask never fogged up, and his confidence increased as the positive air flow provided better protection levels.

"In all, the MSA PAPR kit is an outstanding product," the Virginia officer reported. "I highly recommend the addition of the MSA PAPR to any LE/MIL department/agency equipment issue. The initial cost of the unit is far outweighed by the cost in lives saved/injuries averted, both during an event (contamination and heat injuries), and in training (lowers chance of heat injuries)."

Note: this is the same PAPR that is a component of MSA's FireHawk M7 Responder Air Mask. (See story on page 3.) 



SAVED MSA TIC pinpoints elusive suspect

Police often credit thermal imaging tools as the technology that helps them catch perpetrators on the run. Such was the case when Erie, Pa.'s local police, the state police, the FBI, sheriff's department, and border patrol joined the local SWAT team during a manhunt in early August 2008. Even with all these officers, it was an **MSA Evolution 5200 TIC** that put an end to a 2-week ordeal.

According to a WICU 12 news report, the intense manhunt for an elusive armed criminal ended when the TIC's heat-sensing technology helped locate the man in a creek bed in

the woods. Using one of the Erie Fire Department's six TICs from inside their armored car, the SWAT team stayed safe during the search.

The Erie fire department carries a thermal imaging camera every time they respond to a call. Inside fire scenes, they look for body heat of hidden people. Also, they check buildings for hot spots in the walls and fluorescent light balances in the ceiling.



Remote wireless video transmission for ThermalTrac® TIC

Just attach MSA's **Evolution 5000-Series Transmitter**, a remote wireless video transmission system, to your ThermalTrac Thermal Imager. TIC images can then be transmitted to MSA's Wireless Handheld Video Receiver to enhance an officer's situational awareness.

This self-contained modular design, with one-button activation, is easy to deploy. 🛡️



New ACH adapter enables accessory mounting



MSA's new ACH ARC direct-mount accessory rail adapter and picatinny adapter fits MICH, ACH, and TC 2000 Series Combat Helmets.

This exclusive design for military, law enforcement, and tactical use is the only combat helmet accessory rail connector on the market that provides a platform for current and future combat helmet accessories. Tough, fiber-reinforced rails bolt directly to the helmet, holding a slide-and-lock picatinny adapter for mounting of lights or other picatinny-compatible accessories.

The ACH ARC provides combat operators with effective weight reduction and mobility. The low-profile mount allows clearance with minimal snag hazard, and the rail mechanism can be locked and slot-tightened. 🛡️

Biosensor™ 2200R Detector is 2008 CEDAP award winner



The **Biosensor 2200R Biological Agent Detector** from MSA has been selected as a product offering through the 2008 CEDAP Program. CEDAP assists law enforcement agencies and first responders in smaller communities, providing equipment grants to help them prevent, deter, and respond to terrorist attacks. 🛡️

Multi-Threat Detection for First Responders bulletin now available

MSA's new **Multi-Threat Detection for First Responders** bulletin provides an overview of detection technologies for first responders who arrive at emergency scenes where undetected potential threats may be present. MSA provides a broad range of product choices for on-site identification of many chemical, biological, and industrial contaminants. Ask for **bulletin 4000-00-MC**. 🛡️



MSA Paraclete® SOHPC provides protection, long-term comfort

The versatile new MSA Paraclete Special Operations Hard Plate Carrier (SOHPC) with next-generation side closure includes integral soft armor side protection and easy-to-position side plates that stay in place.

Unmatched comfort, protection, stability, and flexibility are provided by an adjustable, removable cummerbund; internal side plate pockets for 6" x 6" hard plates; new adjustable front pull shoulder straps; and padded shoulders.

A new drop-down front flap increases load-bearing capacity without sagging and accommodates long magazines without impeding vest removal. 🛡️



MSA Safety Works wins a Golden Hammer award for excellence in retailing

MSA Safety Works (the retail division of MSA) has been recognized as a **Golden Hammer Silver Circle winner** by Home Channel News, the home-retailing industry news and information leader.

The Golden Hammer Awards program acknowledges the contribution of the very best vendors in the hardware/home improvement retailing industry. This year, from a field of 700+ manufacturers, 32 Golden Hammer and 32 Silver Circle winners (one for each sub-category) were selected for honors by home center/building material dealers/retailers.

MSA Safety Works outshone over 20 competitors for the Silver Circle award in the Home Security/Safety sub-category in the Hardware Tools & Supplies category.

Awards were presented at the National Hardware Show on May 6, 2008, in Las Vegas, Nevada.



Class II Safety Vest meets ANSI Class II requirements



The MSA Safety Works® Class II Safety Vest meets the ANSI Class II vest requirements.

This popular high-visibility lime-green vest with horizontal and vertical reflective stripes stands out among orange traffic barriers. 🛑

More comfort from Exhalation Valve N95 Disposable Respirator

MSA Safety Works has improved the comfort level while maintaining the safety of the **Exhalation Valve N95 Disposable Respirator**. The exhalation valve provides cooler breathing, and has two latex-free elastic straps, a flexible nose clip, and a patented sealing surface for a custom fit and long-wearing comfort.



The Exhalation Valve N95 disposable respirator has been tested to a 95% filter efficiency level and meets OSHA and NIOSH 42 CFR 84 respirator certification regulations. You can find this respirator at your local home improvement retailer. 🛑

Smaller First Aid Kit case should satisfy customers

Responding to customers' requests, MSA Safety Works, has reduced the case sizes of two First Aid Kits without changing the contents. The cases of both the 160-piece kit (that meets ANSI Type II requirements) and the 62-piece First Aid Kit are now about 20% smaller.

Without sacrificing any first aid application products, these more compact cases provide benefits such as taking up less storage space in vehicles. 🛑



Workman® Aerial Lift Kits hold fall protection system

Workman Aerial Lift Kits from MSA Safety Works contain fall protection components that provide protection at heights for a single worker.

The Workman Vest-Style Harness is available in two sizes: standard and extra large. Its integral shock-absorbing lanyard attaches easily to a fixed anchor point. A heavy-duty canvas carrying pouch provides easy transfer and storage.

This fall protection meets ANSI A10.32 and OSHA regulations, and is certified to CSA Z259.10-06. 🛑



New MSA Safety Works Packaging

With MSA's retail customers in mind, we've redesigned MSA Safety Works product packaging. Noticeable changes in both structure and graphics were made to increase customer interest in the category, simplify shopping, and build point-of-purchase brand awareness.

Simple, understandable product names in large, readable font

All product information is in English and proper Spanish

Recloseable packaging on many products

A product SellingStage™ lifts the product for display

Easy-to-read product benefits and secondary features



Modern curves convey excitement and movement

Suggested uses shown in symbols and words

Color-coding by product category (blue for respiratory, green for vision, red for hearing, etc.)

A dominant, eye-catching Feature-Teacher™ icon identifies key product attribute

On-pack elements, like starbursts, call out value-added features

New safety glasses for narrow faces: small size, big protection

MSA Safety Works introduces sporty safety glasses for narrow faces. They may be smaller in size but they're big in comfort and protection. Rubber nose pad and soft-tipped temples ensure a comfortable fit. And like all safety eyewear from MSA Safety Works, this eyewear meets the high impact requirements of ANSI Z887.1-2003 Industrial Safety Standards and provides maximum UV protection.



Multi-packs offer convenience

We now offer a **2-pack of Grippers™ Safety Glasses** and a **4-pack of close-fitting clear safety eyewear**. Both meet OSHA and ANSI high-impact requirements.



Glare is gone with MSA's GlareGone™ Polarized Safety Eyewear



Get the style and protection you need with MSA Safety Works GlareGone polarized safety sunglasses. They reduce glare, sharpen colors and contrast, and provide maximum UV protection. Of course, they also meet the high impact requirements of ANSI Z87.1-2003 Industrial Safety Standards. Clearly better for your eyes than standard sunglasses!

Meet the new Mettle™ Safety Eyewear family

Strength wrapped in good looks---that's the hallmark of the Mettle Safety Eyewear family from MSA Safety Works. These bold metal styles look good for street wear, yet provide tough protection on the worksite. They are lightweight, with quality metal frames, anti-scratch coating, and blue tinted lenses. They meet the high-impact requirements of ANSI Z87.1-2003 Industrial Safety Standards and offer maximum UV protection.



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1.866.MSA.1001

www.MSAnet.com

To: Paraclete Armor & Equipment, Inc.
From: A Special Forces soldier in Iraq

Paraclete Body Armor PROVEN UNDER FIRE



My unit was conducting a raid on a suspected bomb maker compound. Our intelligence suspected that four enemy personnel were in the house. Our target was two separate buildings; we did not know where the enemy was sleeping or even which building they were in. The compound was surrounded by a 12-foot wall, and the four corners were topped by gun ports on towers.

We moved by vehicle to a gully which led to the compound. We dismounted and approached on foot to the objective. We had two breach points, both side entries to each walled area. Initial breach was an explosive placed into the main compound wall, and mechanical device into the smaller one. The breach went well. We entered the compound. As we entered the structures, I charged an entry way to the main room. Two men in the shack fired at me and I took 3 rounds, 2 in the chest plate and one into a side plate. It felt like someone had taken a sledge hammer to my chest and side and knocked me straight back into the wall. The gunmen were terminated by my team members.

We caught the rest, still stirring from their sleep, surprisingly. We took 8 prisoners, including all four major characters we were looking for. When we returned back to base, I saw that my gear was trashed with bullet holes. The rounds had penetrated through two magazines, impacted on the plate 4 inches apart, and ripped through the left side of my vest. The round that hit my side armor just burned through the material and went into the armor. The main plate stopped the rounds in two places and had some parts of the rounds imbedded into the plates.

Thanks so much for rushing me my Releasable Assault Vest prior to my deployment to Iraq. Paraclete saved my life.

continued from page 1

MSA harnesses save window cleaners after scaffolding collapse

But while the workers escaped serious injury, they were shaken up. One had been hit by the falling platform, and they were very tired.

Their boss, working nearby, said, "Thank God they're alive. They had their harnesses on. That's what saved them."


(Edmonton Sun) 

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MSA (Mine Safety Appliances Company) has been protecting work forces since 1914. Headquartered in Pittsburgh, Pennsylvania, MSA is the world's largest company dedicated to providing a complete range of sophisticated personal protection and equipment for worker and plant protection.

Our products are used by firefighters; law enforcement officers; and workers in industrial manufacturing, construction, hazardous materials/abatement operations, mining, offshore drilling and refineries, utilities, shipbuilding, agriculture, and pulp & paper industries.

Spotlight on Safety contains only a general description of the products and applications shown. While uses and performance capabilities may be described, under no

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If you have any comments about *Spotlight on Safety*, you may contact us by toll-free phone at **1-800-MSA-2222** (Customer Service), mail, or electronic mail.

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