

spotlight on Safety®

News • Products • Solutions



MSA celebrates 90 years of Safety on June 14, 2004!

Respiratory Protection for First Responders

MSA's CBRN Millennium Gas Mask is first to get NIOSH approval

In March 12, 2004, MSA's new Millennium® CBRN Gas Mask became the first NIOSH-certified CBRN full-facepiece air-purifying respirator (APR).

This new gas mask provides First Responders, especially law enforcement personnel, with effective respiratory protection against chemical, biological, radiological, and nuclear (CBRN) agents that might be used in a terrorist attack.

NIOSH tests and approves devices as "CBRN-compliant" according to their very stringent testing and certification protocols for:


- Chemical, biological, radiological and nuclear agents
- Mask penetration and permeation

- Carry and transportation
- Use performance
- Quality assurance

MSA's Millennium Gas Mask incorporates a flexible one-piece polyurethane lens with wide field of vision bonded to a durable Hycar rubber facepiece.

A drinking tube provides connection for hydration. The Millennium dual-canister mount allows for weapon sighting from either shoulder. The mask is easy to don, adjust, and remove, thanks to its fully elastic six-point head harness.

Lens fogging is prevented by an internal nose-cup, which deflects air away from the lens. A standard mechanical speaking diaphragm is included, or MSA's optional ESP® II Communications System may be added. A butyl-coated nylon hood is also available for head protection.

MSA understands how critical CBRN protection is to first responders and is pleased to have met this challenge. For more information, contact your MSA distributor or call 1-888-MSA-0018. 



Why passion drives MSA:

AT MSA, WE HAVE A PASSION FOR SAFETY.

It's a passion that was born 90 years ago when two mining engineers agonized over the horrific deaths and disfiguring injuries suffered by men working underground. Determined to do something about the then-inevitable methane explosions triggered by open-flamed cap lamps, John Ryan and George Deike founded Mine Safety Appliances Company "so that men and women may work in safety."

It's a passion that is renewed every time we hear of another helmet save, another TIC save, another instrument save, another eye-wear save.

It's a passion that makes us smile when we hear of another MSA handheld gas detector that crashed to the pavement, then went back to work.

It's a passion that burns with anger and frustration when we read about workers who fell to their deaths because they wore no fall protection.

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Firefighter saved by MSA fire helmet

The young firefighter lay in his hospital bed, recovering from a level 2 concussion that he suffered while on the job. His doctor looked at the damaged Cairns® Fire Helmet, which was hanging on his IV stand, and said, 'You're here because of your helmet.'

He already knew that.

He is a full-time firefighter who serves a suburb of a large U.S. city. He and his partner were pulling down ceilings in a building when a large piece of the ceiling came down on him. "I got a good 'clock' on my head. My partner witnessed it," he told Denis Ryan, MSA's product line manager for fire helmets.

"Although he wants to remain anonymous, he wanted us to know how he felt about his MSA N5A New Yorker Cairns® Fire Helmet," reported Ryan.

"He had the chinstrap on, although he normally wraps the chinstrap around the helmet instead of under his chin. But that day he decided to clip it down. The helmet stayed on his head, he said, and his MSA SCBA also stayed intact. Overall he sounded great, and his enthusiasm for the helmet protecting him was over-

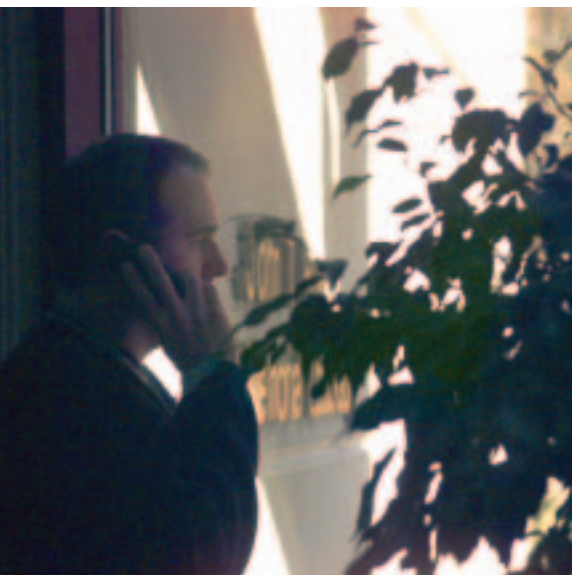
whelming. A very nice and humble guy.

"I can't express enough how enthusiastic and thankful he was to MSA that his Cairns

Helmet protected him. I offered him a replacement helmet, which he refused about 10 times. Finally I persuaded him that it would be our honor to present him with a new 'Leather'.

"His last words before we hung up were: 'Thanks not for the helmet, but... for saving my life.'"

IT WAS OUR HONOR. 



Orion® Detector survives 90-ft plunge

PASSION MOTIVATES US TO EXPLORE AND DISCOVER.

MSA's engineers work feverishly to make our customers' wishes come true.

Engineers unite innovative creativity with evolving technology and produce solutions. Diligently, they combine proven concepts with smaller, lighter, more ergonomically designed components. Their passion to invent is driven, in part, by 90 years of unwavering commitment and undeniable success.

Orange, Texas, was the site of the Dupont-Sabine River Works Turnaround late in 2003, and an MSA Orion Multigas Detector was set up to monitor a manhole entrance in a distillation column.

But workers shoveling insulation unknowingly covered the instrument with debris, and eventually, the entire insulation pile was pushed off the tower to the ground, a drop of 90 feet. The Orion unit took the plunge as well, landing on solid concrete. It suffered a cracked display and loosened battery, but after field repair, that Orion unit made it back into service for the next shift!

MSA field rep Brian Akins and Chris Faucher of Total Safety (MSA distributor) were undoubtedly proud to represent MSA portable instruments that day.

Not bad for an instrument with an IP54 rating, designed to survive a 6-ft drop test! Choose MSA's Orion Multigas Detector for high performance, reliability, and of course, durability! 🛡️



MSA drops in on World of Concrete

MSA engineers, trainers, and sales people wowed audiences with fall-arrest, rescue, and self-rescue demonstrations at the 2004 World of Concrete trade show in Orlando, Florida.

The stars of the show were the TechnaCurv™ Full Body Harness and Dyna-Brake® Energy Absorbing Lanyard. MSA's unique two-story fall-protection demonstration structure played a vital "supporting role."

WOC attendees watched booth personnel wearing fall arrest products jump off the second-story platform and plunge floor-ward. Time after time, the Dyna-Brake Lanyard, which is designed to deploy when it experiences a shock load of 450 pounds of force, did its job. All demonstrators stopped in mid-fall.

In less than half a second, they slowed from about 49.5 feet per second to zero. Their bodies experienced less than 900 pounds of force. To put this into perspective, the average person jumping from a chair to the floor would receive a greater shock. Typically, 2500-2700 pounds of force is considered to be the injury threshold.

One visitor watched a demonstration and remarked wistfully, "I wish I'd had one of those about two years ago. I wouldn't be looking for a new career



today." The man, visiting the booth with his 7-year-old daughter, had broken both legs in a fall caused by a faulty restraint lanyard. His unsteady gait now makes working at heights an excessively risky occupation. "I'm lucky I can even walk," he said.

For more product details, contact your MSA distributor or call 1-800-MSA-2222. 🛡️

TechnaCurv™ Tower Harness: special fall protection for

Tower erection, maintenance, and inspection workers who climb towers deserve all the great benefits of MSA's TechnaCurv Harness.

Now available from MSA, the TechnaCurv™ Tower Harness has a special new saddle with dual durometer padding. This saddle provides additional support to increase comfort during prolonged periods of work positioning, which we believe gives superior comfort to other harnesses on the market. The saddle D-rings are adjustable, and the saddle is removable.

MSA's TechnaCurv™ Tower Harness is the only tower harness with Curvilinear Torso Webbing that curves around the neck area to help prevent chafing and discomfort. Sorbtek fabric on shoulder, back,

saddle, and sub-pelvic pads provides comfort, and the soft, flexible webbing allows the harness to move with wearers as they work. The Visco-Elastic shoulder padding was originally developed by NASA to absorb G forces that astronauts are subjected to.

An ATO (Assemble-To-Order) system allows customers to order exactly—and only—the options you want.

These features and more give tower workers one of the most comfortable, durable, easy-to-use harnesses on the

market, at a competitive price. The TechnaCurv Tower Harness meets all applicable OSHA regulations and ANSI standards, and is CSA-certified.

For more information, ask for Bulletin 23, talk with your MSA distributor, or call 1-800-MSA-2222. 🛡️



This expertise yields incredible performance, year after year. We cheer when we see military helmets take a bullet meant for a fighting soldier, or industrial hardhats protect beyond reasonable expectations, or SCBA steadfastly deliver air to First Responders fighting fires.

We radiate passion as we watch thermal imaging cameras shrink in size and perform more functions at a lower cost. We applaud the MSA invention that allows firefighters to quickly transfer air from one cylinder to another during emergencies.

And every year, even better products are created.

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