

# Protective Clothing & Products for the Nuclear Industry



***Meeting the  
Needs of  
the Nuclear  
Industry***



# Our Customers... Our Company

UniTech values and benefits from the input and experience of its customers. We were the world's first licensed radiological laundry in the 1950s, and we are the world's largest provider of radiological laundry and protective wear programs today. What's more, our commitment to meeting and anticipating customer needs has inspired our continuous product and technology research and led us into the important new safety services programs and products that we offer today. We are proud to serve our customers.

UniTech is a subsidiary of UniFirst, one of North America's largest workwear and textile services companies. UniFirst employs nearly 10,000 people and serves over 200,000 customer locations in the United States, Canada and Europe.



- **Nuclear power reactors**
- **Naval shipyards**
- **D.O.E. facilities**
- **Fuel fabricators**
- **Private industry**

## Licensed Facilities Worldwide

### U.S. and Canada Locations

Springfield, MA  
 Royersford, PA  
 Oak Ridge, TN (Plant) & Oak Ridge Service Center (ORSC)  
 Barnwell, SC  
 Morris, IL  
 Santa Fe, NM  
 Ontario, CA  
 Richland, WA  
 Ontario, Canada

### EU Locations

Euro Nuclear Services B.V.,  
 Coevorden, Netherlands  
 UniTech Services Group, Ltd.,  
 Crumlin, Newport, United Kingdom  
 UniTech Services, GmbH,  
 Laar, Germany  
 UniTech Services S.A.S.,  
 La Bouilladisse, France





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# ProTech Plus®

## The Industry's Best Protective Garment

### The Best Gets Better

ProTech Plus® is the flagship product of our proven line. Plus incorporates IMPASSE® finishing and an array of textile enhancements to accommodate our industry's evolving needs:

- **New Weave Technology**—Improved strength and barrier performance.
- **Water Repellency Treatment**—Latest technology fluoroalkyl ether process repels water and oils and is regenerated during the cleaning process.
- **Anti-Microbial Treatment**—Minimizes bacteria-caused odors and mildew agents.
- **Anti-Static Properties**—Improved carbon filament prevents static charge buildup, reducing particle and radon attraction.

### Better Protection

ProTech Plus incorporates high quality micro denier synthetic yarns which provide high barrier protection and unsurpassed strength in arduous work environments.

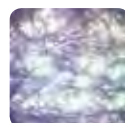
18x Magnification



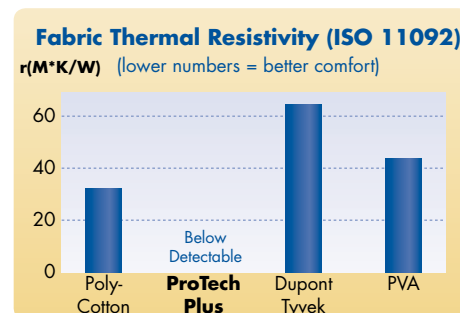
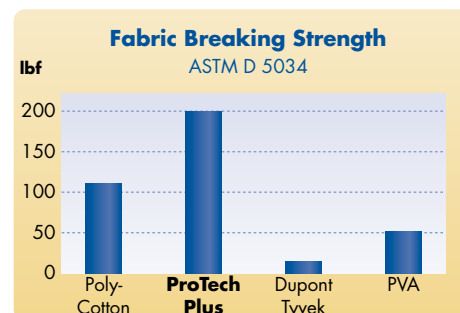
Poly-Cotton



ProTech Plus



PVA

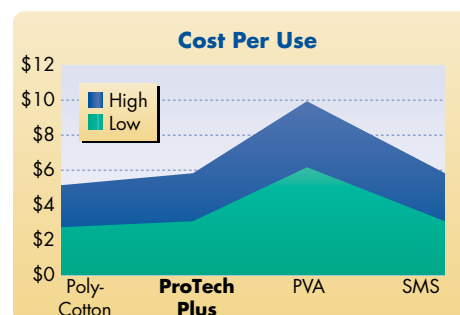


### Better Comfort

Workers prefer ProTech 4 to 1. The reason is simple: ProTech comfort is unmatched. This lightweight, supple fabric exhibits excellent air permeability and virtually no insulative or vapor resistance. In fact EPRI NP-4453-L rates ProTech with a 0% clothing adjustment factor. Precise tailoring means correct size grades and no pinching or ballooning. Passive built-in venting reduces heat stress and maximizes worker comfort.

### Better Economy

EPRI Report 7309—Guide to Managing Nuclear Protective Clothing Programs—states that 200-300 uses are achievable with ProTech garments. ProTech's extraordinary abrasion resistance and low radiological reject rates provide the lowest cost per use of any garment available—launderable or single-use. Users can have it all: economy, optimal protection and comfort.



GREEN, CLEAN,  
SUSTAINABLE



## ProTech Plus® Coveralls

ProTech Plus combines durability, comfort and reliable protection. High-quality micro denier synthetic yarns provide high barrier protection. IMPASSE® water-repellent fluorochemical treatment further resists contamination and is reapplied when the coveralls are washed. An antimicrobial treatment and a carbon filament, which offers static dissipation, enhance the level of protection provided by ProTech Plus coveralls. The garment design incorporates heat stress reduction properties while maximizing worker protection. Coveralls feature a plastic zipper front closure, a left chest pocket with a ¾" dosimeter strap and knit wrists. Yellow. All coveralls are marked with size on the right breast pocket and feature color coding by size neck binding for quick and easy dispensing of garments.

Item No	Description	Size
COV-21A-YW	ProTech Plus Coveralls	Small-6XL
COV-22A-YW	ProTech Plus Coveralls with Elastic Take Up In Pant Cuff	Small-6XL

*Please specify size when ordering*

## ProTech Plus® Hood

The ultratight weave of the ProTech Plus® hood provides excellent contamination protection. The hood incorporates a microfiber sweatband which improves worker comfort and minimizes potential for facial contaminations. A flapped vent on the back of the hood allows for breathability without compromising protection. Overall length: 18". Measures 25" at the shoulder.



## ProTech Plus® Surgeon's Cap

The ProTech Surgeon's Cap offers both contamination protection and serves as a lining for protective headgear. Ties in the back to ensure the cap fits securely.



Item No	Description
CAP-20A	ProTech Plus Surgeon's Cap

Item No	Description
HOOD-25D-YW	ProTech Plus One-Piece Hood
HOOD-21B-YW	ProTech Half Hood w/ Elastic Take Up

One Garment Meets  
Both Electrical and  
Welding Requirements



## Anti-C/FR Garments

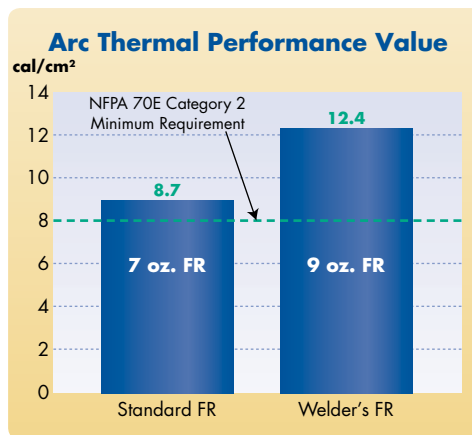
**Launderable garments and accessories with high-performance flame resistance for radiological environments.**

Nuclear facility workers encounter a unique variety of potentially serious occupational hazards. Among them are burns from electric arcs, welding sparks and other combustible hazards. Radiation protection management must prescribe the proper Anti-C protective clothing to protect against any or all of these potential risks. Anti-C protective clothing must meet the burn safety criteria of OSHA Rule 29CFR Part 1910.269 and be compliant with NFPA standards 2112 and NFPA 70E.

As a pioneer in nuclear protective clothing products and services, UniTech has addressed these needs by researching fabrics that surpass the various protective and comfort requirements for nuclear workers. The culmination of our efforts is Anti-C/FR which reduces the fabric weight without sacrificing the protection. UniTech FR protective fabrics are made from 88% soft cotton and 12% high tenacity nylon fabric, offering a remarkably comfortable and yet durable garment with excellent decontamination factors.

### **Total Protection:**

- Anti-C/FR is the perfect solution for multi-hazard radiological environments.
- The 88% cotton/12% polyester blended fabric is breathable and comfortable.
- Garments are durably constructed and completely launderable.



### **Tested and Accepted:**

- Anti-C/FR meets ASTM Ignitability Test Standards F1506 and F1002.
- The standard weight fabric assures compliance with OSHA Rule 1910.269.
- UniTech FR meets NFPA 70E Hazard Risk Categories 0, 1 and 2 as a single layer, and is available with ATPV values ranging from 8.2 to 25.





## UniTech Flame-Resistant Coveralls

Created by applying a chemically reacted finish to an 88% cotton/12% nylon blend material. The result is soft and comfortable coveralls with excellent flame resistance that is retained for the life of the garment. The coveralls feature a brass zipper front, a breast pocket and a dosimeter tab. The 7.4 oz/yd<sup>2</sup> material has an 8 ATPV or greater value, which exceeds NFPA 70E requirements for class 2, electrical safety in the workplace. Orange. Launderable.

Item No	Description	Size
COV-48A-OR	F/R Coverall, 88/12 Blend, Orange, 8.0 ATPV or greater, UniTech Standard	Small-6XL

## UniTech Flame-Resistant Hood

The 88% cotton/12% nylon blend material used to create the flame-resistant hood provides both excellent flame resistance and contamination protection. It is ideal for use in both welding and electrical arc hazard applications. The flame-resistant finish is guaranteed for the life of the hood. The two-paneled front fastens with a hook-and-loop closure, and the back of the hood has a 4" elastic take-up that ensures a secure fit. The face opening is easily adjustable, assuring a comfortable fit even when the hood is worn without a respirator. Overall length: 18". Measures 25" at the shoulders. Orange. Launderable.



Item No	Description
HOOD-49A	F/R Hood, 88/12 Blend, Orange, 8.0 ATPV or greater, UniTech Standard

## UniTech Flame-Resistant Shoe Cover

Made of an 88% cotton/12% nylon blend material that exhibits excellent flame resistance, wearability and protection against contamination. The flame-resistant finish is guaranteed for the life of the shoe cover. It is sewn with a Nomux thread. Elastic closure hugs the ankle for a secure fit. Dimensions: 15½"L x 18"H. One size fits all. Orange. Launderable.



Item No	Description
SHOE-49A	F/R Shoe Cover, 88/12 Blend, Orange, 8.0 ATPV or greater, UniTech Standard



## Keeping it clean

UniTech offers separate radiologically clean, controlled laundries to launder CoolTech scrubs and other radiologically clean laundry. All shipments brought into the facility are screened, laundered and tested to verify they are radiologically clean before being shipped back to our customers.

## CoolTech Scrubs

### Wickable comfort, lower cost per use

#### What makes CoolTech Scrubs different?

- Advanced wickable fabric draws moisture away from the body, improving overall worker comfort.
- Better protection—a tight material weave provides improved protection. A carbon filament anti-static grid minimizes radon adherence concerns.
- Professional look is extremely lightweight, tight-weave polyester
- Theft protection—each pair of scrubs is embedded with a small anti-theft strip, sewn into a seam and virtually undetectable to the wearer; helps ensure unauthorized material does not leave the site.
- Shirts feature a left breast pocket inside and out, and a color-coded tape along the “V” neckline that indicates sizing for ease of dispensing. Pants feature cargo pockets as well as color-coded cross drawstrings for easy size identification.
- Available in Long and Short Sleeve Shirts as well as Long and Short Pants; reversible.

Item No	Description
<i>Shirts</i>	
SCRUB-07A-LS-NB	Long Sleeve Shirt
SCRUB-07A-SS-NB	Short Sleeve Shirt
<i>Pants</i>	
SCRUB-57A-LP-NB	Long Pant

## Garment Sentry™

Keep Modesty Garments from Leaving Your Facility. Address the concern about low-level radioactivity on modesty garments or other items that could bypass exit portal monitors.

- Set up Garment Sentry at worker exits.
- UniTech modesty garments and other relevant items have thin (5 mil) security strips encapsulated and hidden in seams so they can't be felt or removed; these strips can be commercially laundered with no negative effect on their functionality.
- Audible and visible alarms.
- Full coverage to 6' height.
- 36" or 60" aisle.

Item No	Description
SENTRY-02A	Garment Sentry





## 100% Cotton Innerall Scrubs

- Made from breathable and durable 100% cotton, making them ideal for use under all FR garments.
- Long Sleeve Shirts feature a left breast pocket inside and out, as well as a color-coded tape along the "V" neckline that indicates sizing for ease of dispensing.
- Fully reversible.

Item No	Description
SCRUB-05E	Long Sleeve Shirt, Postman Blue
SCRUB-55E	Long Pant, Postman Blue

\* Other colors and styles available. Please call for price and availability.

## 50% Cotton/50% Poly Innerall Scrubs

- Made from comfortable, durable 50/50 blended fabric.
- Short sleeve shirts are reversible with a left breast pocket on each side and a color-coded tape along the v-neck, indicating size.
- Pants feature right side hip pockets as well as color-coded cross drawstrings for easy size identification.

Item No	Description
SCRUB-02C	Short Sleeve Shirt, Jade
SCRUB-51C	Long Pant, Jade



## CoolTech CT Cotton Innerall Shirts/Pants

- Made from 100% cotton Makobast fabric, a 1,000 thread count cotton that is lightweight and comfortable.
- Meets the NFPA standard for 100% cotton material that must be worn under FR against the skin.
- Theft protection—each pair of scrubs is embedded with a small anti-theft strip, sewn into a seam and virtually undetectable to the wearer; helps ensure unauthorized material does not leave the site.
- Shirts feature a left breast pocket inside and out, and a color-coded tape along the "V" neckline that indicates sizing for ease of dispensing. Pants feature cargo pockets as well as color-coded cross drawstrings for easy size identification.
- Orange color makes it easy to identify as being worn under FR garments.

Item No	Description
SCRUB-07B-LS-OR	Long Sleeve Shirt
SCRUB-57B-LP-OR	Long Pant



## Heat Stress Management

Did you know that approximately 700 people die from heat stroke in the U.S. every year? Many more suffer from heat stress while on the job. UniTech Services Group provides the products and expertise you need to keep your workers safe and productive.

## Personal Cooling Solutions from **COOLSHIRT SYSTEMS**

### AquaVest®

The AquaVest from CoolShirt Systems keeps workers cool and comfortable by helping to maintain a safe core body temperature and lessening dehydration. It is launderable. Patented non-kink tubing ensures consistent and continual cooling. It can be used with the Backpack System or Multi-Person System.

#### Item No

COOL-SHA-AVA

Other vest and shirt models and cooling systems are available – please inquire.

#### Size

M-3XL



### AquaVest Backpack Cooling System

Untethered, active cooling system for use with the AquaVest features full portability. 5.5 lbs.

#### Item No

COOL-SHA-BPC-220

#### Description

Back Pack Cooler  
Endurance Ice, 24 oz.



### CoolShirt Multi-Person Cooling Station

Large 15-gallon cooling capacity for use with AquaVest. Cooling station cools up to 6 people simultaneously. Uses standard 110 V standard plug.

#### Item No

COOL-SHA-MPS  
COOL-SHA-H8  
COOL-SHA-H-20

#### Description

Cools Up to 6 workers  
8 ft. Water Hose  
20 ft. Water Hose



*For more information on all the ways UniTech can help protect your workers from heat stress, call your UniTech account manager or contact our corporate office.*

## Keep Cool!

# Heat Stress Management

## 3M™ Versaflo™ PAPR Systems

Upgrade to 3M's comfortable, comprehensive approach to worker protection. Each ANSI approved respirator system has three easy-to-select modules — headgear, breathing tubes and air sources — that can be combined into dozens of system configurations. 3M Versaflo can be configured to provide respiratory, head, eye and face, and hearing protection. Features include two-position adjustable airflow to distribute air where the user wants, multiple size adjustment options and easily removable parts for cleaning and maintenance.



Item No	Description
RS-3MTR-304N	TR-300 Series PAPR
RS-3MTR-604N	TR-600 Series PAPR
RS-3MM-305	ANSI-Approved Hard Hat & Face Shield

## 3M™ Vortex Cooling Assembly V-100 Series

Cool the supplied air by up to 50°F (28°C). This assembly works with 3M High Pressure Supplied Air Respirator Systems that use 3M Versaflo S-Series Hoods and 3M Versaflo M-Series Helmets. The assembly allows the user to adjust airflow and temperature.



Item No	Description
<b>HEAD TOPPERS</b>	
RS-3MS-403L-20	Tychem™ Hoods
RS-3MM-305	ANSI-Approved Hard Hat & Face Shield
RS-3MV-100	Cooling Vortex Assembly
<b>AIR HOSE</b>	
RS-3MW-9435-50	3M 50-ft. Supplied Air Hose

## Glacier Tek™ NuCool Vest

To experience the comfort you need, simply put on a Glacier Tek Original Cool Vest or UniTech NuCool Vest. Each features a heavy-duty front zipper, side elastic straps and over-the-shoulder adjustability, designed to fit a wide range of body sizes. Cool Vest and NuCool Vest each provide a natural, comfortable solution to heat stress.

Cool Vest and NuCool Vest enable the wearer to maintain a comfortable temperature in even the most extreme heated work environments. Thanks to patented renewable phase-change cooling technology, Cool Vest and NuCool Vest remain thermally stable at 59°F (15°C) for up to 2.5 hours in 100°F (38 °C).



Item No	Description
US-GTIRCZV15TK-A	Original RPCM Cool Vest, Cotton, Tan/Khaki, Includes One RPCM Cool Pack Set
US-GTIRSPS15XX	RPCM Cool Pack Set (4 packs/set)
US-GTIRCVN15BL	CoolTech RPCM Cool Vest, Navy Blue, VEST ONLY



## ProTech Anti-C Coverall

- The Yellow ProTech Anti-C is made from ProTech fabric (99% nylon, 1% carbon). ProTech fabric includes a nylon/carbon fiber, which significantly reduces static buildup to reduce particle adhesion and improve decontamination. Coverall has a zipper in the back to allow fall arrest equipment to be worn under the protective clothing. Available in sizes Small-6XL. Easy to put on and take off.
- Used as an anti-contamination coverall for work with loose surface contamination. The coverall is designed to reduce heat stress with a built-in vent and raglan sleeves, and is rated for thermal loading as a zero in EPRI heat stress studies.
- Qualifies for NAFTA treatment.
- Available for lease only in North America.



### Item No

SP-COV-20C

## Blue ProTech Oversuit

- The Blue ProTech Oversuit is made from ProTech fabric (99% nylon, 1% carbon) designed to reduce static and particle adhesion. Available in two sizes. For use over the Mark 3B Plastic Suit. Easy to put on and take off.
- Used over a plastic suit to protect it from radioactivity and damage. The ProTech Oversuit significantly reduces tears and punctures to the plastic suit, which insures worker protection from Tritium and extends plastic suit life.
- Qualifies for NAFTA treatment.
- Available for lease only in North America.



### Item No

SP-COV-20D

## Blue ProTech Bootie

- The Blue ProTech Bootie has a ProTech fabric upper (99% nylon, 1% carbon) and a 400 denier coated nylon bottom with non-skid rubberized screened tread for better traction. One size fits all.
- Used to protect all sizes of Mark 3B Plastic suit boots and work boots. Used with or without an external rubber shoe. Easy to put on and take off.
- Qualifies for NAFTA treatment.
- Available for lease only in North America.



### Item No

SP-SHO-03C

## Gray FR Oversuit

- The Gray FR Oversuit is made from 7 oz. FR fabric (88% cotton, 12% nylon) designed for welding and electrical work for use over the Mark 3B Plastic Suit. Easy to put on and take off. Comes in two sizes.
- Used over a plastic suit to protect it from radioactivity and damage, as well as FR protection. The Oversuit significantly reduces tears and punctures to the plastic suit and reduces damage from weld and grinding splatter, which insures worker protection from Tritium and extends plastic suit life.
- Qualifies for NAFTA treatment.
- Available for lease only in North America.



### Item No

SP-COV-20E

## Launderable Cotton Liner

- The Cotton Liner is a 85% cotton and 15% polyester, one-size-fits-all glove liner with a 1.5" elastic wrist band.
- Used to reduce radioactive waste and absorb sweat under rubber gloves. Easy on, easy off.
- Qualifies for NAFTA treatment.



### Item No

GLOVE-50C

## 12" Launderable Rubber Gloves



- Rubber Gloves are available in sizes 6.5, 8, 9, 9.5, and 10. Gloves are color coded by size. 12" length, 18-mil thick, natural latex. Stamped: red—right, black—left.
- Used to reduce radioactive waste, these gloves are used on plastic suits as well as contact contamination work. The color code helps workers select the proper size quicker than traditional one color glove systems.
- Qualifies for NAFTA treatment.

Item No	Description	Size
GLOVE-20E	Blue	6.5
GLOVE-21A	Ivory	8
GLOVE-21B-1	Black	9
GLOVE-21B-1BN	Brown	9.5
GLOVE-21C-OR	Orange	10
GLOVE-01D	Magenta 15"	11

## Hard Hat Cover

- The Hard Hat Cover is made with 70 denier nylon taffeta and is generously sized to cover standard hard hats and hard hats with dosimetry and hearing protection. Available in various colors (green, white, magenta, etc.). Yellow is standard.
- Used to protect the hard hat from contamination during entry into rubber areas. Saves time at exit as cover is removed at the step-off pad. Color options can be used to identify specific work groups.
- Qualifies for NAFTA treatment.



### Item No

CA-HARD-70A-YW

### Description

Yellow

## Black Nylon Bootie

- The Black Bootie is a one-size-fits-all 200 denier nylon with elastic sewn in at the top of the bootie.
- Used to help workers slip in and out of the PVC Mark 3B Tritium suit. The black booties are put on just before putting on the Mark 3B suit. Easy on, easy off.
- Qualifies for NAFTA treatment.



### Item No

CA-SHOE-70A-BK

## Laundry Bag

- The Laundry Bag is 48" tall by 45" wide and is made with a 200 denier coated nylon fabric. There is a window that covers one-fourth of the bag so laundry type can be easily identified. Handles help control movement and a #10 nylon zipper keeps everything in the bag.
- The Laundry Bag replaces the traditional plastic bag. The strong 200 denier fabric greatly reduces rip-outs and increases useful lifespan. Handles make it much easier to control bag contents during loading/unloading and during transport. The window makes sure all materials are easy to identify. Reduces radioactive waste generation and saves time.
- Qualifies for NAFTA treatment.



### Item No

CA-BAG-01WH

## Clean RPE Bag

- The Clean RPE Bag is 35" tall by 34" wide and is made with a 200 denier coated nylon fabric. There is a window that covers one-third of the bag, so laundry type can be easily identified. Handles help control movement and a #10 nylon zipper keeps everything in the bag. Used to bag the clean clothing being returned from the laundry.
- The Clean RPE Bag replaces the traditional plastic bag. The strong 200 denier fabric greatly reduces rip-outs and increases useful lifespan. Handles make it much easier to control bag contents during loading/unloading and during transport. The window makes sure all materials are easy to identify. Reduces radioactive waste generation and saves time.
- Qualifies for NAFTA treatment.



### Item No

BAG-OPG-04WH

## Cage Bag

- The Cage Bag is 30" tall x 37" wide x 45" long and has four corner straps that secure the bag to the wire cage. It is made with a 1000 denier coated nylon fabric. There is an 18-mil, optically clear PVC window that covers one-third of the bag so equipment can be easily identified. There is also a clear envelope to hold a rad tag or a bag inventory. Includes a #10 nylon zipper on three sides of the top for easy loading/unloading.
- The strong 1000 denier fabric greatly reduces rip-outs and increases useful lifespan. The window and tag holder make sure all materials are easy to find. Eliminates plastic waste, such as dandex or polyethylene bags, reduces radioactive waste generation and offers a professional look.
- Qualifies for NAFTA treatment.



### Item No

CA-BAGWC-01YW

## Scaffold Bag

- The Scaffold Bag is sized for 5.5', 8' and 12' scaffolding. It is made from a 1000 denier coated nylon fabric and has corner straps that secure the bag to the scaffold cart. There is an 18-mil, optically clear PVC window that covers one-fourth of the bag so equipment can be easily identified. There is also a clear envelope to hold a rad tag or a bag inventory. Includes a #10 nylon zipper on three sides of the top for easy loading/unloading.
- The Scaffold Bag replaces the traditional plastic bag. The strong 1000 denier fabric greatly reduces rip-outs and increases useful lifespan. The window and tag holder make sure all materials are easy to find. Eliminates plastic waste, such as dandex or polyethylene bags, reduces radioactive waste generation and offers a professional look.
- Qualifies for NAFTA treatment.



### Item No

CA-BAGSR-01YW  
CA-BAGSB-02YW  
CA-BAGSB-03YW

### Size

12.5" tall  
8.5" tall  
5.5" tall



## Lead Blanket Bag

- The Lead Blanket Bag, made from 400 denier coated nylon, holds a lead blanket with up to 8 straps that secure the blanket within the bag. Available for 22 and 32 pound blankets. After secure, the bag is zipped shut with a heavy duty #10 zipper. The bag is marked as either a 22 pound/2 foot blanket or 32 pound/3 foot blanket.
- Used to replace plastic sleeving and protect the lead blanket from being contaminated. Coated side of the nylon is on the outside of the bag to increase surface tension and reduce slipping when placed on pipes or other structures. Reduces radioactive waste generation and saves time, as compared to sleeving.
- Qualifies for NAFTA treatment.



Item No	Size
CA-BAGLB-01YW	28" x 16"
CA-BAGLB-02YW	40.5" x 17"

## Insulation Bag

- The Insulation Bag is 37.25" by 54.5" and made from 400 denier coated nylon. There are handles to help support the bag during loading as well as moving the insulation after it is loaded. There are three straps that are used to secure the insulation bag to a support beam or other fixed structure. There is a #10 zipper to keep the insulation in the bag. Includes a document holder for the bag inventory sheet.
- The Insulation Bag is used as a replacement for plastic bags because it can secure the insulation to the support structure within the vault, so the insulation never has to leave the vault. This eliminates the need to bag the insulation at the face, bag it again at the rubber area exit and store it outside the vault until the end of the outage, and saves on labor. This is a significant time saver, as well as a radwaste reduction tool.
- Qualifies for NAFTA treatment.



Item No
CA-BAGIN-01LG

## Storage Bag

- The Storage Bag is 42.5" tall by 34.75" wide and is made with a 400 denier coated nylon fabric. There is a window that covers one-third of the bag so equipment can be easily identified. There is also a clear envelope to hold a rad tag or a bag inventory. Handles help control movement and a #10 nylon zipper keeps everything in the bag.
- The Storage Bag replaces the traditional plastic bag. The strong 400 denier fabric greatly reduces rip-outs and increases useful life span. Handles make it much easier to control bag contents during loading/unloading and during transport. The window and tag holder make sure all materials are easy to find. Reduces radioactive waste generation and saves time.
- Qualifies for NAFTA treatment.



Item No
CA-BAGSTORE-01YW

## Tool and Equipment Bag, Launderable

- The Tool and Equipment Bag is 20" wide and 22" tall and is made from 400 denier coated nylon with an 18-mil optically clear PVC window. Closure is a #10 nylon zipper, bottom is lined with hypolon to prevent sharp objects from puncturing the bag. A 2" wide, one continuous piece stitched to the nylon, web strap supports the bag for carrying.
- The Tool and Equipment Bag is a big improvement over the traditional plastic bag. It allows for easier handling and eliminates concern of items puncturing the bag. Handles make it easier to carry, zippered top ensures items stay in the bag until you are ready to use them and window allows you to view bag contents without opening the bag. Reduces radioactive waste generation. Yellow for Zone 3. Green for Zone 1 and 2.
- Qualifies for NAFTA treatment.



Item No	Description
CA-BAGTL-01FG	Green
CA-BAGTL-01YW	Yellow

# Reduce • Reuse • Recycle



Customized MSS trailers offer customers the flexibility of no inventory overhead and no downtime.

## Off-Site Tool & Metal Decontamination Services

- **REDUCE** costs using UniTech's decontamination services. **About ½ the cost of metal melt**
- **RE-USE** tools/equipment rather than re-purchasing. UniTech's decon processes deliver results.
- **RECYCLE** obsolete equipment and metals rather than disposing as radwaste using our high tech monitoring solutions.
- Services scalable from 1 package/year to 1 truckload/day.
- With out CNSC WNSL we take responsibility for the materials at your site and manage the transport and export. If required, we obtain a non-proliferation license to manage activity or controlled tools.

## Off-Site Launderable PPE and Respiratory Protection Programs

- **Don't toss it, WASH IT!** Launderable PPE is ½ the price of single-use disposable PPE and creates North American jobs—people who buy electricity.
- Implement without significant costs to capital budgets with a lease program & eliminate all PPE radwaste.
- Over 2M uses of our standard ProTech Anti-C dressout used in Canada saving millions of \$'s in direct cost.

## Mobile Supply Store (MSS)

- An MSS added to the laundry program puts consumables through security allowing storage/issue from within the Unzoned Area.
- Gets needed items into the worker's hands quickly—no down time waiting for materials coming from the warehouse.
- Stocking list is customized to meet customer requirements.
- No inventory overhead—only pay for what you use.
- Restocked from laundry truck—no security issues.
- Secondary packaging dispositioned as value added service.

# UniTech Can Help Reduce Your Costs

**Contact Us: (800) 344-3824 • [info@unitechcdn.com](mailto:info@unitechcdn.com)**

## Project Site Support

- Turnkey support for a full range of projects (big and small), project work, combined services, short-term/long-term.
- UniTech provides RP, PPE, respiratory protection, TMD, radiological instrumentation, and dosimetry services.

## Project Partnering

- UniTech provides the expertise, resources and support structure in the areas of RP/PPE/TMD allowing the customer to bid on a wider range of projects.

## Decon/Change-out Trailer Rental

- Designed to order—clean and hot side, monitoring equipment, calibration, etc. all turnkey on a rental basis.
- No decommissioning cost for trailers at the end of the project.

## Contamination Monitor Rental

- When you need to supply instruments for your project, a UniTech rental program can save both time and money.
- Can accommodate short/long term (months/years).
- Personnel exit monitors, small article monitors, hand held instrumentation, and dosimetry services.

## Waste Sorting

- Trash sorting reclaims usable materials; allows decon/release of metals for recycling; ensures optimum waste efficiency for final processing. All services reduce waste volume and overall cost.



15,000 lb. waste transfer flask (1 of 8) decontaminated and released from a Candu 6 mid-cycle rebuild tool set. 697 crates, 2.4M lbs. exported on 69 trucks.



Verified the absence of radioactivity (including Alpha) on 34 truckloads, 1.1M lbs., of post project scaffolding.

**8 U.S. regional  
decontamination  
facilities licensed  
since 1957.**

**3 facilities servicing  
Canada since 2001.**



# Neptune Suit

## Your No-Hassle Waterproof Supplied-Air Suit



Maximizing its expertise serving the European nuclear industry and its strategic partnership with 3M, UniTech has developed the Neptune Suit, a waterproof protective suit that cuts customers costs in half. The Neptune Suit is a lightweight, waterproof suit made of quiet, comfortable polyurethane coated nylon fabric ideal for highly contaminated and damp areas.

- No expiration date
- Flexibility of use with or without supplied air
- Can be laundered multiple times, leading to significant savings
- Enhanced worker comfort
- Durable and applicable to many areas of operation
- Air temperature can be lowered by the Vortex Cooler when used with supplied air
- Reduced lead time for resupply
- Easy to implement and standardize fleet-wide

The Neptune Suit features significant advantages over traditional waterproof protective suits. It has no expiration date, and can be laundered multiple times. Customers have the flexibility to use the Neptune Suit with or without supplied air, and it also features a vortex cooler, able to lower temperature for ultimate worker comfort.

Need reduced lead time for resupply of your waterproof protective suits? Need to standardize usage across your entire fleet? You need UniTech's Neptune Suit.

Item No	Description
Z-COV-10B-WH	Neptune Suit
RS-3MS-807-S	3M™ Waterproof Hood
RS-3MS-950	3M™ Head Suspension
Z-COVER-03B-WH	3M™ Versaflo Tyvek Cover



## 3M™ Versaflo™ PAPR Systems

Upgrade to 3M's comfortable, comprehensive approach to worker protection. Each ANSI approved respirator system has three easy-to-select modules — headgear, breathing tubes and air sources — that can be combined into dozens of system configurations. 3M Versaflo can be configured to provide respiratory, head, eye and face, and hearing protection. Features include two-position adjustable airflow to distribute air where the user wants, multiple size adjustment options and easily removable parts for cleaning and maintenance.



Item No	Description
RS-3MTR-304N	TR-300 Series PAPR
RS-3MTR-604N	TR-600 Series PAPR

# Radio Frequency (RF) Protection

## Proven Personnel Protection

UniTech Services Group is a 50-year international leader in personnel radiation protection PPE. Our Naptex-based, flame-retardant RF garment system has been proven in worldwide use for 25 years and is the first ever CE-certified protective garment to reduce electromagnetic radiation.

UniTech RF garments use patented, conductive yarn containing stainless steel fibers in the core of the yarn. Tailoring is excellent and they can be machine washed with no deterioration in shielding or service life. UniTech has engineered a number of design features which add comfort, safety and convenience. Notable is our new profile hood design which is far more comfortable than existing styles. In addition, our knit socks and gloves provide RF protection, comfort and microbial resistance.

UniTech's proprietary RF fabric has been successfully certified to German standard DIN 32780 and fulfills all criteria stipulated therein.

## RF Coveralls, Gloves and Socks



RF apparel reduces exposure to high-frequency electromagnetic radiation, and allows for accessing RF radiation areas that exceed

safe, unprotected levels. Coveralls are both comfortable and durable, and they feature a hood for added protection. Constructed from Naptex, which consists of Nomex® fiber surrounding a stainless steel grid. Gloves are made from silverized knit and have a 3" cuff. Knee-length socks are made from Podycare® silverized knit.

## RF Garment Rentals

U.S. customers have the option to rent UniTech RF garments for short-term projects. Rental assures user fit, as well as clean, inspected garments shipped JIT direct to the work site. Renting makes it a snap to charge through required RF PPE and budget into project quotations. At the end of the project, users simply ship garments back to UniTech without the need to launder, inspect or recertify.

Item No	Description	Size
RF-COV-02A	Naptex Blue, Nomex® FR Coveralls	M-XL
RF-HOOD-01A	Naptex Blue, Novex® FR Hood	One Size Fits All
RF-FACE-01A	Screen	One Size Fits All
RF-GLOV-02B	Silverized Knit, 3" Extension Gloves	One Size Fits All
RF-SOCK-01B	Calf-Length Socks, Color: Marine	One Size Fits All



UniTech's Hybrid Single-Use Program offers the right combination of disposable garments, paired with launderable rubber shoes and gloves for reduced cost and radwaste.

### **Improve Radiological & Industrial Safety**

- SoftTech HD Disposable Hood
- SoftTech HD Disposable Coverall
- Polyethylene Disposable Booties
- Launderable Rubber Gloves
- Launderable Rubber Shoes

All items are delivered prior to your outage. After the outage, we'll ship all rubber for laundering and all single-use garments for BSFR at our Oak Ridge Service Center.

### **Increase Safety & Save!**

While UniTech offers industry-best launderable protective clothing, we also understand some nuclear facilities prefer single-use disposable protective clothing. The Hybrid Single-Use Program meets this demand, without increased cost and radwaste, all while maintaining optimal worker safety.

### **The Protective Difference**

- Not only are UniTech Hybrid Program gloves more affordable, they're the smarter choice for protecting your employees. UniTech's rubber gloves are 80 percent thicker and 25 percent longer, increasing protection and reducing hours spent on replacement of damaged rip-out gloves.
- Fully disposable lay-flat shoes pose a serious safety hazard, lacking the heel and tread of a molded rubber shoe.



Single-Use Disposable Shoe Covers



rubber shoe, layflat, 22 mil

UniTech Hybrid Single-Use Program UniTrek Rubber Shoe Covers



rubber shoe, molded, 50 mil

Single-Use Disposable Gloves



rubber glove, 12", 10 mil

UniTech Hybrid Single-Use Program Rubber Gloves



rubber glove, 15", 18 mil



# UniWear

## The industry's best single-use protective garments

We've developed the industry's best choices for those occasions when single-use garments are desirable. With nearly 50 years expertise in protective clothing, UniTech is the leader in offering the most comfortable, versatile and cost-effective coveralls and modesty garments, using the best materials available.

### The UniTech Single-Use Advantage

Why buy from UniTech? The reasons are compelling:

1. If UniTech provides your laundry services, we can manage the headache of handling your inventory of single use items.
2. Nobody knows nuclear protective clothing better than UniTech. We apply our experience to all aspects of single-use textile performance, garment design and assembly processes.
3. Your purchases include UniTech's renowned after-sale support and guarantee of satisfaction.



### SoftTech HD Single-Use Clothing

- SoftTech HD is made from a 65 gsm heavy duty, breathable SMS (spunbond-meltblown-spunbond) material, which is both comfortable and durable. The clothing provides breathable protection from particulates and splash.
- Coveralls feature elastic wrists and ankles, double fabric in-seams at high stress areas and a left breast pocket with a hook-and-loop closure.
- Double knees, set in sleeves with thumb loops and a cargo pocket.
- Unique butterfly crotch design eliminates stress points and rip-outs.
- The surgeon's cap fastens securely with a pair of ties. The hood has an adjustable face opening to ensure a secure fit.
- Coveralls feature a color coded by size zipper system for ease of product dispensing.

Item No	Description	Size
Z-COV-25C-YW	SoftTech HD Coveralls, Yellow, 25/Cs	Medium-4XL
<i>Accessories</i>		
Z-CAP-25B-YW	SoftTech HD Surgeon's Cap, Yellow, 500/Cs	
Z-HOOD-25B-YW	SoftTech HD Hood, Yellow, 400/Cs	



Z-CAP-25B-YW



Z-HOOD-25B-YW

## DryGuard Plus Waterproof Disposable Coverall

- UniTech's new and enhanced disposable coverall
- An integral part of UniTech's Hybrid Protective Clothing Program
- 83 GSM microporous film laminate
- Ultrasonic seams, taped outside to assure waterproofing
- Features storm flap, hood and elastic wrists and ankles

Common Problems in Wet Work Environments	The DryGuard Solution
Barrier protection that doesn't keep liquid out	Microporous film laminate offers exceptional barrier and splash protection
Weak seams allow tear-through	Triple-sewn seams (sewn, sealed and taped) provide added strength and protection in wet environments
Inadequate protection from wet contaminants	Superior protection from wet contaminants
Sweat-through occurs	Protects against sweat-through
Uncomfortable	Excellent comfort combined with protection
Not cost efficient	Combines cost and protection as a second layer of disposable protective clothing

Item No	Size
Z-COV-19DYW	Large-6XL



## Deluxe Disposable Spunbonded Polypropylene Lab Coat

- Spunbonded Polypropylene material is water repellant and breathable, making it ideal for most lab applications.
- Features a deluxe 3 pocket design with knit cuffs and a loop in collar for a professional look.
- Overall length of 44 inches with 5 plastic snap closure.
- Packaged 25 per case.

Item No	Size
Z-LAB-01B	Small-4XL



## GaiterTrek Rubber Shoe Cover

The durable GaiterTrek rubber shoe cover protects shoes from particulates and liquids. The GaiterTrek is constructed of a 15" nylon upper sewn to a 50-mil thick latex shoe cover. Color-coded for easy size identification.

Item No	Description	Size
SHOE-02A	Black	Small
SHOE-02B	Yellow	Medium
SHOE-02C	Orange	Large
SHOE-02D	Magenta	X-Large



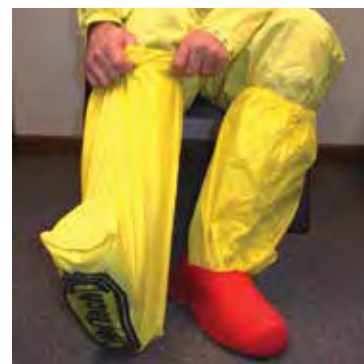
## Disposable Latex Shoe Cover

Protect shoes from harmful particulates and liquids with the disposable latex shoe cover. This single-use shoe cover is 22-mil thick and color coded by size.

Item No	Description	Size
Z-SHOE-01E	Latex Shoe Cover, Yellow	Large
Z-SHOE-01OR	Latex Shoe Cover, Orange	X-Large

## Nylon Shoe Cover

Designed for protection, comfort and ease of use, the plain nylon shoe cover is water resistant and extremely durable. Made of 200 denier coated nylon sewn with polyester core cotton thread. Elastic closure holds the shoe cover snugly to the foot. A screened foot pattern on the bottom offers slip resistance. Yellow. One size fits all.



Item No	Description
SHOE-50E-YW	Nylon Shoe Cover



## UniTrek Rubber Shoe Cover

These high-quality shoe covers are made from specifically compounded rubber for improved ozone and tear resistance and excellent wearability. The thick, reinforced sole offers better footing on ladders and comes with a skid-resistant tread. Shoe covers are color coded by size for easy sorting. Injection-molded with reinforced bead on the upper for extra strength and tear resistance. Height: 4" (low top). Covers designed to fit either foot. Launderable.

Item No	Description	Size
SHOE-01A-BK	Black	Small
SHOE-01-YW	Yellow	Medium
SHOE-01-OR	Orange	Large
SHOE-01-MG	Magenta	X-Large



# GripTech Gloves

## Specially Designed For Safety And Ease Of Use

### ***We Have A Glove To Fit Your Specific Needs!***

UniTech's GripTech gloves are ready for tough work, easy wearing and long-lasting convenience. Comfortable polyester and extra-tough cut-resistant versions let you choose the protection you need for any job. Key features of all GripTech gloves include:

- Color-coded bands by size for easy identification
- Ergonomic curved design minimizes hand fatigue for comfortable extended wear
- Gloves are marked and color-coded "left" and "right" to facilitate sorting
- 14-inch extended cuff model available to improve seal and minimize the need to tape
- Breathable knit back helps keep hands cool
- Water-resistant dipped palm

### ***Replace your current work gloves with long-lasting GripTech***

Our 14-inch GripTech Gloves are also a cost-efficient, comfortable alternative to rubber gloves, for use in contaminated areas.

All GripTech Gloves are launderable and reusable, making them a cost-efficient choice for our customers.



## UniFlex Cut & Chemical Resistant Gloves

UniTech's new UniFlex CR (Chemical Resistant) Nitrile-Dipped High-Performance Polyethylene (HPPE) Gloves will give you the right protection for everyday work with heavy, sharp materials and equipment in your nuclear facility — without sacrificing comfort, flexibility or dexterity. Woven with 13-gauge HPPE material, UniFlex gloves provide superior cut and abrasion resistance for long-term use. The glove's nitrile-dipped palm and fingers incorporates a "sand-washed" textured finish to assure resistance to oil and solvents while maintaining excellent gripping strength.

EN388 Testing	Performance Level
Abrasion Resistance	4
Blade Cut Resistance	3
Tear Resistance	4
Puncture Resistance	2
TDM-100 Cut Resistance	C - A3



UniFlex HPPE Cut-Resistant  
GLOVE-91A-BK

Size	Medium (9)	Large (10)	XLarge (11)	2XL (12)
Cuff Band Color	Yellow	Orange	Red	Blue

## Nitrile-Dipped Polyester Gloves

Nitrile-dipped palm is naturally resistant to oils and solvents while maintaining elasticity. GripTech CR gloves are comfortable, ergonomic, and provide excellent gripping ability. This glove also provides increased tactile sensitivity due to its thin polyester body.

EN388 Testing	Performance Level
Abrasion Resistance	4
Blade Cut Resistance	1
Tear Resistance	2
Puncture Resistance	1



14-Inch High-Viz Nitrile  
GLOVE-96B-YW

Size	Medium (9)	Large (10)	XLarge (11)	2XL (12)
Cuff Band Color	Yellow	Orange	Red	Blue



High-Viz Nitrile  
GLOVE-96A-YW

General Use Nitrile  
GLOVE-96A-GY

## Cotton Liner

- Made from a bleached white 100% cotton for worker comfort.
- Light elastic in cuff prevents roll up of liner during the doffing process.
- 12" length makes them ideal for use with Anti-C gloves that are 12" or 15".



Item No	Description
Z-GLOVE-01B-WH	Cotton Glove Liner, White

## Anti-C Rubber Gloves

Made from 100% high-density natural rubber latex, the Anti-C rubber glove provides superior resistance to abrasion, chemical attack, cuts, punctures, and snags. The diamond embossed palm offers excellent grip, and the rolled beaded cuff resists tearing while donning. The glove is 15" in length, 18-mil thick and has a chlorinated finish. Color coded by size.



Item No	Description	Size
GLOVE-02A-IY	Anti-C Glove, Ivory	8
GLOVE-02B-YW	Anti-C Glove, Yellow	9
GLOVE-02C-OR	Anti-C Glove, Orange	10
GLOVE-02B-MG	Anti-C Glove, Magenta	11

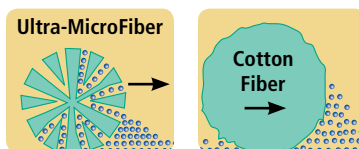
# UltraClean Microfiber Cleaning System

## The Latest in Decontamination Technology

UltraClean's decon performance is remarkable, but just as important, UltraClean products offer outstanding service life with excellent contaminant release during laundering. Add in a liquid absorption capacity of 11 times its own weight and UltraClean becomes the hands-down choice for wipers, mitts and mop heads.

### About Microfiber

Microfiber is a synthetic filament with one denier diameter (1/30 of cotton). Wedge-shaped elements follow the surface, trapping particles inside the fiber for excellent absorbency.



### UltraMop

#### Superior Microfiber Technology at Work

Easy to use and easy to clean!

- Great absorption and excellent contaminant release during laundering.
- Mop head is designed for quick release by the simple press of a button, allowing the dirty mop head to be removed without touching.
- Two mop head colors available so you can clearly identify which mop is used in which area of your facility.
- Adjustable handle with swivel head lets you get into all the small spaces you need to clean.
- When used in conjunction with a simple spray bottle of water you can achieve enhanced cleaning efficiencies.
- UltraMops result in superior decontamination as compared to old style wet mops and Masslinn™.

### UltraMop Handle and Frame

Complete UltraClean microfiber mop head frame and handle set.

Item No	Description
MOP-40FRAME-GN	Green
MOP-40FRAME-MG	Magenta



### UltraMop Bar Mop Head

Polyester Microfiber, 46 cm Long x 14 cm Wide.

Item No	Description
MOP-40HEAD-GR	Green
MOP-40HEAD-YW	Yellow





## Microfiber Towel with Lanyard

- Double stitched attached 6" lanyard easily slides over wrist to help prevent accidentally dropping towels into areas where FME issues are a concern.



Item No	Description
WIPE-02B-FME	Yellow, 16" x 16"

## Microfiber Mitts

- The perfect combination of form and function for decon work.
- Reversible microfiber mitts are made from the same material as our towels, ensuring excellent absorption and cleaning function without the risk of leaving lint or other residue.
- Available in yellow and green for easy segregation and work area designation.



Item No	Description
WIPE-03A	Terry Type, Green
WIPE-03B	Terry Type, Yellow

## Microfiber Towels

- Made from ultra fine, strong and virtually lint free synthetic filament that is designed to pick up dirt, dust, grime and contamination while leaving no residue.
- The filaments structure allows wiper to pick up 11 times its own weight, making it an ideal cloth for decon jobs while reducing rad waste costs during disposal.
- Available in yellow and green for easy segregation and work area designation.

Item No	Description
WIPE-02A	Green, 16" x 16"
WIPE-02B	Yellow, 16" x 16"
WIPE-02E	Yellow, 16" x 24"



# Laundry Bag System

## Improved Ergonomics Reduce Both Handling Man Hours & Injuries

### Laundry Bags

- Made from coated 200 denier nylon that is both durable and waterproof.
- Clear window lets you easily see bag contents—no more opening the bag to check what's inside.
- All printing is done with dye-sublimation transfer, alleviating FME concerns and clearly marking potentially radioactive contents.
- Flat bottom and tapered construction lets bag sit comfortably on the floor and not fall out of the stand during filling.
- Strap with secure clasp quickly and effortlessly seals in contents for transport.
- Three ergonomic handles, including two convenient side handles and a bottom handle, mean controlled easy lifting; no more pinching the bag to lift. Enjoy easy carrying and removal of the full bag from the side of the stand (which is better for the back than top removal).



### Laundry Bag, Marked "Cloth Only" In Top Seam

White 200 denier nylon, web top and side handles, 4" PVC window seam to seam, Caution Radioactive Material (CRM) logo below window.



### Laundry Bag, Marked "Rubber Only" In Top Seam

Red 200 denier nylon, web top and side handles, 4" PVC window seam to seam, Caution Radioactive Material (CRM) logo below window.



Item No	Size
BAG-07CLOTH-WH	32" x 36" x 20" round bottom
BAG-EX05A	38" x 45" x 20" round bottom

Item No	Size
BAG-07RUB-RD	32" x 36" x 20" round bottom

## Laundry Bag, Marked "CoolTech Scrubs Only" In Top Seam

Blue 200 denier nylon, web top and side handles, 4" PVC window seam to seam.



### Item No

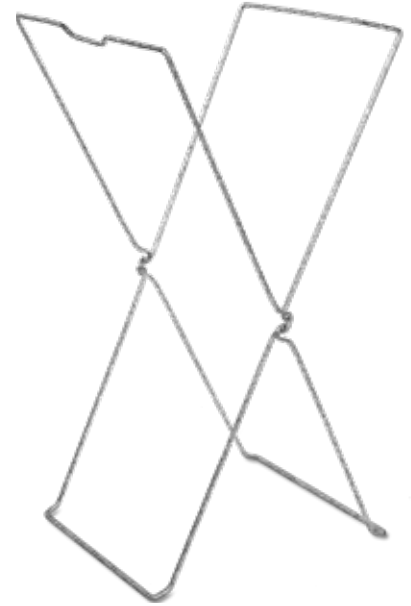
BAG-07COOL-BL

### Size

32" x 36" x 20" round bottom

## X-Style Bag Stand

- Made from a heavy duty, durable  $\frac{5}{16}$ " wire for every day use.
- Adjustable opening allows the stand to work with most laundry bags.
- Black powder coated finish helps to prevent corrosion.
- When not in use the stand folds flat for storage and economical shipping.



### Item No

BAG-99B

## Laundry Outer Bag with Side Opening

- New time and labor saving Outer Bag fits over the outside of a round bag stand with a traditional laundry bag inside.
- Outer Bag features a zipper opening to easily allow inner bag to be removed without becoming contaminated.
- By setting the laundry collection system at the boundary, a worker can pull the laundry out through the side without having to enter the CA.
- The side opening also prevents the worker from having to lift the bags unnecessarily.

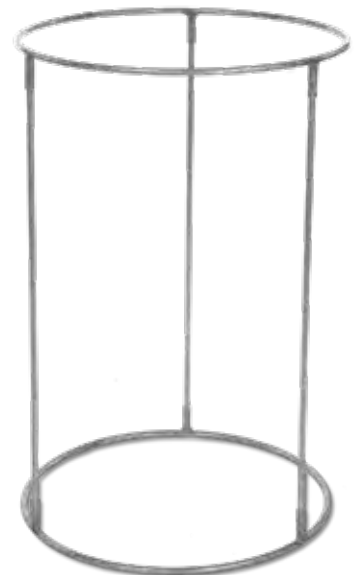


### Item No

SP-BAG-05YW

## Collapsible Round Bag Stand

The best way to hold and then remove your laundry bag. Designed to fit the circumference of IMPERVAGUARD laundry bags. Breaks down for easy storage using minimal space.  $\frac{3}{8}$ " steel wire, 18" Diameter x 28" H, black.



### Item No

BAG-07STAND-BK\*

\* For use with BAG-07CLOTH-WH, BAG-07COOL-BL and BAG-07RUB-RD.



# Donning of Anti-C Clothing

## 1. Nylon Shoe Covers

Nylon shoe covers are worn over pant leg.

*Note: Examine all safety apparel for any damage before donning.*



## 2. Cotton Glove Liners

Cotton glove liners are pulled up under the sleeves.



## 3. Coveralls & Dosimetry

Coverall goes on over nylon shoe covers. Zip coverall up to neck. Clip electronic dosimeter inside dosimetry pocket.



## 4. Rubber Shoes & Gloves

Don rubber shoes and outer gloves. Pull outer gloves up over coverall sleeves.



## 5. Hood

Wear prescribed hood over coverall. (If hood is required by RWP)



## 6. Hard Hat

Place personal hard hat on head.

*Note: If using contaminated area hard hat, pick up from contaminated area hard hat bin.*



# Removal of Anti-C Clothing

## 1. Rubber Shoes

Remove rubber shoes and place in laundry bin.



## 2. Gloves

Remove gloves inside out. Be sure not to touch the outer surface of the gloves. Place gloves in laundry bin.



## 3. Hard Hat

Place personal hard hat on SOP.

*Note: If contaminated area hard hat is used, place in hard hat bin.*



## 4. Hood

Pinch hood by top seams and pull hood away from face. Place in laundry bin.



## 5. Dosimetry & Coverall

Unzip coverall. Remove electronic dosimeter and clip to lanyard or place on SOP. Roll coverall down to ankles. Step out of coverall and place in laundry bin.



## 6. Shoe Covers

Remove nylon shoe covers and place into laundry bin as you step onto the SOP.



## 7. Cotton Liners

Remove glove liners and place in trash bin.



## 8. Hard Hat & Step Off

Replace personal hard hat and proceed to nearest whole body contamination monitor.

*Note: Ensure dosimetry is clipped to lanyard.*



**UniTech can provide your workers with all the training materials necessary to make your outage a success, including videos and posters!**

# Specialty Bags and Covers

**We can create a bag or cover for any application. Send us a drawing—we'll make it work!**

## ***Bags and covers for any application.***

Over the last 25 years UniTech has helped design and build hundreds of different types of bags, tarps and covers for customer specific applications. Whether you need to cover a sealand container to protect it from the elements or need a 1" HEPA Port Cover, UniTech can help you design the right cover from the proper material to do the job.

## ***How will UniTech's Specialty Bag Program work for you?***

- We can create any bags or covers you need: specify the size, grommets, closures, straps, handles, and other needs.
- Send us a rough drawing, we'll coordinate the rest!
- These specialty products are created with the same nylon fabrics that we use in our popular laundry bag program.
- Need printing to identify the bag or explain its use? All printing is done with gas transfer, alleviating FME concerns and assuring identification is visible throughout the life of the item.

## ***We can create...***

- FME covers of all sorts—including super size
- Transformer bags
- Specialty tarps
- Custom lay-flat bags
- Nuclear rotor shipping covers
- Reactor covers
- Covers for Sealand Containers
- Barrier panels

*If you can draw it, we can build it. Call your Technical Account Manager today!*

## **Spud Cap, Flange Cap, CDR Box Cover, HEPA Port Covers and HPCS Pump Bag**

Elastic closure, 200 denier nylon, yellow.

Item No	Description	Size
SP-TARP-05YW	Spud Cap	3' x 7" diameter
SP-TARP-06YW	Flange Cap	24" x 13" diameter
SP-TARP-07YW	CDR Box Cover	16' L x 56" W x 24" H
SP-TARP-08YW	CDR Box Cover	3' L x 3' W x 24" H
SP-TARP-10YW	HEPA Port Cover	6"
SP-TARP-10YW	HEPA Port Cover	8"
SP-TARP-10YW	HEPA Port Cover	10"
SP-TARP-10YW	HEPA Port Cover	12"
SP-TARP-09YW	HPCS Pump Bag	170" L x 66" diameter





# Sealand Covers

UniTech has developed a custom-designed Sealand Cover to protect sealand containers stored on-site from the elements. Made from Weathermaxx, a durable weather-resistant fabric specifically designed for covering materials that are stored outdoors in the elements, UniTech's Sealand Covers carry a three-year UV warranty. Hypalon on the top corners of each cover ensures added durability.

Sealand Covers can be designed with zipper openings on the door side for easy access, if required. An optional Sealand Catch Container made from 400 Denier Yellow Coated Nylon is also available upon request.

## Sealand Covers

SEALAND-COV-01A	Sealand Container Cover, Weathermax Material, 8 oz, Color: Sand, Water Repellant, UV Protection, Brass Grommets Every Foot Across the Bottom, 20 ft L x 8 ft W x 9 ft H
SEALAND-COV-02A	Sealand Container Cover, Weathermax Material, 8 oz., Color: Sand, Water Repellant, UV Protection, Brass Grommets Every Foot Across the Bottom, 20 ft L, x 8 ft W x 10 ft H
SEALAND-COV-03A	Sealand Container Cover, Weathermax Material, 8 oz, Color: Sand, Water Repellant, UV Protection, Brass Grommets Every Foot Across the Bottom, 40 ft L x 8 ft W x 9 ft H
SEALAND-COV-04A	Sealand Container Cover, Weathermax Material, 8 oz., Color: Sand, Water Repellant, UV Protection, Brass Grommets Every Foot Across the Bottom, 40 ft L, x 8 ft W x 10 ft H

## Fabric Test Data

Tensile Strength (warp x fill)	ASTM D 5034	lbs	492 x 370
Mullen Bust	ASTM D 3786	psi	393
Tongue Tear (warp x fill)	ASTM D 2261	lbs	20 x 18
Taber Abrasion	ASTM D3884	cycles	600
Hydrostatic Resistance	AATCC 127	cm	65
Spray Rating	AATCC 22		100%
Air Permeability	ASTM D 737	cfm	1.3
Circular Bend Stiffness	ASTM D 4032	lbs	6.5



# UniStock Plus

## Bulk Dispenser and Distribution System

Store and dispense essential small protective clothing items in our new UniStock Plus bulk dispenser. It's the smart, efficient way to manage stock and ensure proper stock rotation.

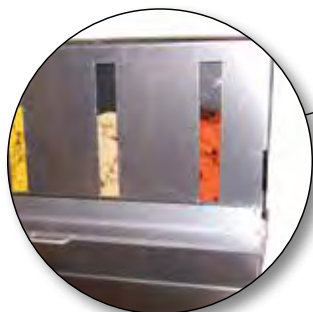
### Features

- Made of high-grade brushed aluminum, making it easy to decontaminate.
- Automatic stock rotation. Simply load items from the top and they dispense from the bottom.
- Sight glass lets you see stock levels to ensure timely restocking is done, eliminating down time.
- Four pockets hold 80 lbs. of product each (320 lbs. total).
- Storage area with stainless sliding doors beneath dispensing pockets holds excess inventory for easy restocking.
- Undercarriage fork pockets allow UniStock to be moved with a fork truck without tipping!
- Wheels that swivel and lock make container handling easy.
- 27" x 63" footprint.



Item No	Description
SHIP-40A	UniStock Plus
SHIP-41A	UniStock Plus with Fusible Link closure

**Optional cover includes fusible link that melts at 165°F, shutting cover in case of a fire.**



## Maxi Mover



- Rugged, non-marring trucks designed to maximize the payload when delivering laundry.
- Maxi Movers feature a convenient front cut out, assuring greater productivity when loading and unloading, while providing greater worker safety.
- Maxi Movers trucks are designed for many years of dependable service. Crumple resistant poly bases and casters are easily replaceable. An optional security cover is also available.
- 48 ft.3 capacity; 28½" outside width, 47" outside length, 59" inside depth, 66½" overall height

Item No	Description
SHIP-31A	Maxi Mover
SHIP-31A-SEC	Maxi Mover Security Cover

## MaxiMover with Adjustable Poly Shelves



- Eliminate the costly and unsightly rust stains commonly associated with traditional wire shelves.
- MaxiMover with Adjustable Poly Shelves converts the trucks easily and quickly from a clean linen shelved delivery truck to a soiled linen bulk transport unit, by simply repositioning the shelves into the vertical position.
- 48 ft.3 capacity; 28½" outside width, 47" outside length, 60" inside depth, 69¼" overall height
- An optional security cover is also available.

Item No	Description
SHIP-30A	Maxi Mover with Adjustable Poly Shelves
SHIP-30A-SEC-BL	Security Cover, Heavy Duty Vinyl for SHIP-30A
SHIP-30A-SH	Replacement Poly Shelf for SHIP-30A



## L59—LSA Laundry Container

LSA Laundry container meets strong, tight CFR requirements.

Made from ASTM A-569 low-carbon, hot-rolled steel, it features heavy duty removable casters and a heavy duty latching system designed for ease of operation. It also features heavy wooden bumpers.

59 ft.3 capacity

Interior Dimensions: 59" H x 42" W x 41" L

Exterior Dimensions: 68½" H x 46½" W x 44¼" L

Item No	Description
SHIP-01A	L-59 Container, Yellow



## Rain Jackets and Pants

200 denier 3 oz poly coated flame resistant nylon. Vented back design, double-stitched seams, raglan sleeves, yellow.



## Apron with Attached Sleeves

Heavy duty 6 mil apron with attached sleeves is an economical alternative for full frontal body protection. Greater coverage than a standard disposable apron for applications where higher levels of contamination exists.

Elastic cuff provides continuous protection between glove and sleeve, 50/case.



### Item No

US-POL42555

### Item No

### Size

*Jacket*

RAIN-40A

S-4XL

*Pants*

RAIN-40B

S-4XL

## Launderable FR Rain Jackets and Pants

- Made from a 200 denier, 3 oz poly coated flame resistant nylon that meets the UL 214 or NFPA 701 Large Scale or CPI 84 Standards.
- Features double stitched seams for added durability and water resistance.
- Jacket features a vented back and ragland sleeve design for worker comfort.
- Pants feature an elastic waist.
- Both Jacket and Pant are marked "Reusable—Do Not Throw Away".



## Disposable Apron

Polyethylene. White. 100/box, 6 boxes/case.



### Item No

Z-APRO-01A

### Item No

### Size

*Jacket*

RAIN-30A-FR

S-4XL

*Pants*

RAIN-30B-FR

S-4XL

## Velcro Strap

Double sided. Length: 18" with buckle on one end. 3" loop Velcro tab on opposite end. Yellow.



### Item No

STRAP-01A



## Ergodyne ProFlex 710 Mechanics Style Gloves

- Features an Amara synthetic leather palm and fingers with a PVC palm for secure grip and longer wear.
- Padded stretch spandex and woven elastic cuff for a comfortable fit.
- Exclusive pull tab for easy on and off.
- Neoprene padding for added knuckle protection and finger tip reinforcement for longer wear.



Item No	Size
US-ERG16142	Small
US-ERG16143	Medium
US-ERG16144	Large
US-ERG16145	X-Large

## Cotton Liners w/open cuff

- Made from a bleached white 100% cotton with seamless design for worker comfort.
- Overall 14" length provides protection even if gloves roll up during doffing.



Item No	Description
Z-GLOV-01B	Cotton Glove Liner, Open Cuff, White

## Cotton Liners w/light elastic cuff

- Made from a bleached white 100% cotton with seamless design for worker comfort.
- Light elastic in cuff prevents roll up of liner during doffing.
- 12" length makes them ideal for use with Anti-C gloves that are 12" or 15".



Item No	Description
Z-GLOVE-01B-WH	Cotton Glove Liner, Elastic Cuff, White

## Best Tuff Guard®

Chemical resistant unsupported rubber, 44-mil. Length: 23". Sold by the dozen.



Item No	Size
US-BES574-10	10
US-BES574-11	11

## Kimberly Clark® Safeskin® Disposable Nitrile Gloves

- Medical grade, latex free, purple nitrile exam gloves are 12" long and 6 mil thick.
- Ambidextrous for easy donning.
- Provides excellent dexterity and tactile sensitivity.
- Features textured finger tips and beaded cuffs.
- Packaged 50 gloves/box, 10 boxes/case

Item No	Size
US-KCC50602	Medium
US-KCC50603	Large
US-KCC50604	X-Large



## Disposable Tearaway Bootie

Polyethylene, 6 mil, 17" H x 18" L.  
Yellow. 400 pairs/case.



### Item No

Z-SHOE-01YW

## 3M™ Doodle Bug Pad and Holder

Pads: 5/box  
Holders: 4/box



Item No	Description
US-489-8541	Pad
US-489-6472	Holder

## Tacky Roll Mop

Item No	Description
US-6-300	Telescoping handle, accessories and four 18" rolls.
US-6-300R	18" Roll Mop Refill.
US-6-301	9" Roll Mop w/ handle and one roll.
US-6-336	36" assembly with fiberglass handle and two 18" inserts.



## Disposable Mop

White, looped end, wide headband,  
12 mops/case.



Item No	Description
Z-MOP-01C	White, looped end, wide headband, 12 mops/case.
Z-MOP-01E	White, cut end, wide headboards, 12 mops/case

## Rubbermaid® Mop Handle, Gripper

Red vinyl.



### Item No

US-RUBH246RED

## Magna Mount Magnetic Rope Holder

2.75" diameter base with 1.5" eye.



### Item No

US-GZ1112

## Garden Sprayer

Polyethylene, 1.5 gallon capacity. Hose length: 28". Pump length: 9" with 12" extension. 35 to 45 PSI polypropylene adjustable nozzle.



### Item No

US-SPRAY-01A

## Unger OptiLoc® Telescoping Handle

16' telescoping pole  
with three sections.



### Item No

US-UNGEZ500

## Mechanic Rag

Pre-washed, no stencil. Red. 18" x 18".



### Item No

WIPE-01E

## FR Tarps w/Button Holes

- Made from a 200 denier, 3 oz poly coated flame resistant nylon that meets the UL 214 or NFPA 701 Large Scale or CPI 84 Standards.
- Brass grommets have been replaced by reinforced button holes so the tarp can be laid flat on the ground without the risk of slip or trip hazards.
- All tarps are marked with the size for easy identification.



Item No	Size
TARP-03A-FR	5' x 5'
TARP-03A-FR	5' x 10'
TARP-03A-FR	10' x 10'
TARP-03A-FR	10' x 20'

## Baby Wipes

80 wipes/box



Item No
US-BWIPES-80

## Lens Cleaning Towelettes

100 individually wrapped foil packets/box.



Item No
US-ALL0350:10

## Heavy Duty Ducting

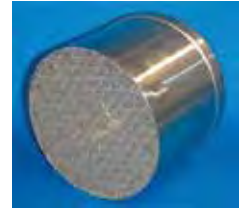
- Multi-purpose suction or exhaust hose for ventilation.
- Constructed with a 2-ply construction of neoprene coated polyester fabric.
- Sold in 25' lengths.



Item No	Description
US-CG52	6" x 25' ducting
US-CG53	8" x 25' ducting

## Spark Arrestor Duct End Fittings

Spark arresting stainless steel end fittings for heavy duty ducting



Item No	Description
US-CR43	6" Fitting
US-CR44	8" Fitting

## 3M™ Double Coated Urethane Foam Tape

4016, 1/2" x 36 yd, 18 rolls/case.



Item No
US-ORS021200-06453

## Filter Paper

47MM, Type ATPA, glass fiber filters, air or water filtration, 100/Pack.



Item No
US-FP47

## Pure Cornstarch Baby Powder

14 oz



Item No
US-BPOWDER-14

## Smears

Cotton, 1.75" diameter.  
Includes record paper and  
surgical adhesive on back of  
smear. 500/box.



### Item No

Z-SMEAR-3A

## Petri Dishes

Disposable, 50 x 11 MM (used with 47  
MM diameter pads or swipes), frosted  
top of lid for labeling, 100/pack.



### Item No

Z-PETRIDISH

## Ultra-Spillberm

Orange urethane, 10' x 4" x 2¼".



### Item No

US-ULT2100

## Ultra-Spillberm Connectors

Used to connect 10' sections.



### Item No

US-ULT2101

## Ultra-Spillberm Corners

Used with connectors to make 90 degree corners.

### Item No

US-ULT-2102

## Ultra Drain Seal

36" x 36" x ¾", orange.



### Item No

US-ULT2130

## SpillTech Universal Meltblown Mat

15" x 19" heavyweight pads, gray,  
100/case.



### Item No

US-SLTGPB100H

## Polyethylene Tacky Mat

Blue, adhesive back, 30 sheets/mat,  
4 mats/case.



### Item No

Z-MAT-01A  
Z-MAT-01B

### Size

18" x 36"  
24" x 36"



## Dosimeter Bag, Whirl-Pak Bag

4½" x 9" 18 oz 2.25-mil  
polyethylene w/ magenta bars,  
500 bags/case.



### Item No

Z-BAG-03E

## Pink Anti-Static Zip Top Bag

Antistat, 4" x 6" 4-mil, pink, 1,000  
bags/case.



### Item No

Z-BAG-06PK

## Red Flexible Plastic Loops

- Ideal for securing dosimetry devices.
- 6"



### Item No

Z-BAG-TIE-RD

## Stretch Film

20" x 1,000" x 80 gauge, yellow  
tint, stenciled with Trifoil and the  
words: CAUTION RADIOACTIVE  
MATERIAL. Four rolls/case.



### Item No

Z-WRAP-OIA-YW

## Polybag

6-mil, yellow frame w/ magenta  
imprint: Caution Radioactive Material  
on four sides and Trifoil in four  
corners. Caution Radioactive Material  
tag w/ magenta text. 100 bags/roll.



### Item No

### Description

100 bags/roll

Z-BAG-10A

18.5" x 26"; Clear

Z-BAG-10B

36" x 48"; Clear

60 bags/roll

Z-BAG-10D

47.5" x 70"; Clear

## Polyethylene Sleevling

- Yellow; .008-mil thickness.
- Ideal for protecting air hoses  
and extension cords from  
contamination.



### Item No

### Size

Z-SLEE-01D

2" x 100'

Z-SLEE-01A

4" x 100'

Z-SLEE-01E

6" x 100'

Z-SLEE-01B

8" x 100'

Z-SLEE-01C

12" x 100'

## Clear Polyethylene Bag

36" x 48" 2-mil, 250 bags/roll.



### Item No

Z-BAG-11C

## Catch Containments

Conical yellow poly catch containments designed to easily divert contaminated water for safe disposal.



Item No	Description	Size
Z-CATCH-05A	Yellow poly w/ties	8"
Z-CATCH-05A	Yellow poly w/ties	12"
Z-CATCH-05A	Yellow poly w/ties	18"
Z-CATCH-05A	Yellow poly w/ties	24"
Z-CATCH-05A	Yellow poly w/ties	36"
Z-CATCH-1D	Yellow, conical	15"

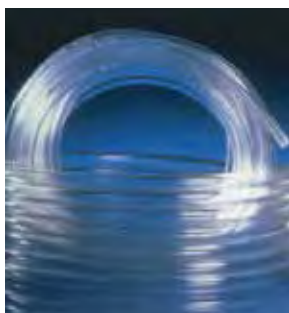
## ½" Drain Adapter for Catch Containments

### Item No

Z-CATCH-2A

## Tygon® Brand Tubing

- 5/8" ID, 7/8" OD, 1/8" wall, clear.
- Other sizes available, please call.



### Item No

US-TYGON-01A

## Vinyl Tubing

- Clear PVC tubing
- Other sizes available, please call.



Item No	Description
Z-TUBE-05A	Tubing, Clear PVC, 3/4" ID, 1/8" wall, 50'/roll
Z-TUBE-06A	Tubing, Clear PVC, 1" ID, 1/8" wall, 50'/roll
Z-TUBE-07A	Tubing, Clear PVC, 3/8" ID, 5/8" OD, 100'/roll
Z-TUBE-08A	Tubing, Clear PVC, 5/8" ID, 7/8" OD, 100' per roll
Z-TUBE-09A	Tubing, Clear PVC, 1/8" ID, 1/16" wall, 100'/roll
Z-TUBE-10A	Tubing, Clear PVC, 1/16" ID, 1/32" wall, 500'/roll
Z-TUBE-11A	Tubing, Clear PVC, 1/4" ID, 1/8" wall, 100'/roll

## Cable Ties

Heavy duty plastic cable ties are ideal for many uses throughout the plant.

Available in 8", 14", 30", and 34" length.



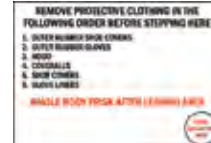
Item No	Description	Size
US-8-50-UV-100	50 LB tensil strength, 100/bag	8"
US-14-50-UV-100	50 LB tensil strength, 100/bag	14"
US-30-175-UV-50	175 LB tensil strength, 50/bag	30"
US-40-250-N-50	250 LB tensil strength, 50/bag	34"

## Message Step-Off Pad

30 sheets/mat, 4 mats/case



Z-MAT-03A



Z-MAT-05A



Z-MAT-04A

Item No	Description	Size
Z-MAT-03A	Yellow w/ Frisk and Caution specification printing	24" x 36"
Z-MAT-04A	White w/ Clothing Removal specification printing	18" x 24"
Z-MAT-04A	Yellow w/ Clothing Removal specification printing	24" x 36"
Z-MAT-05A	Yellow w/ Remove Protective Outerwear specification printing	18" x 24"
Z-MAT-05A	Yellow w/ Remove Protective Outerwear specification printing	24" x 36"

## Adhesive Label

6" x 6"; yellow w/ magenta Trifoil symbol and recordable data blocks.



### Item No

Z-LABEL-02A

## Rope

Polypropylene, yellow and magenta, 3/8" x 600 ft, two strands yellow, one strand magenta.



### Item No

Z-ROPE-01A

## Rad Tape

- Yellow/magenta PVC tape ideal for marking floors and aisles.
- Other legends available, please call for price and availability.



Item No	Description	Size
Z-TAPE-02C	Printed: CAUTION RADIOACTIVE MATERIAL	2" x 36 yards
Z-TAPE-02D	Yellow PVC with magenta print: CAUTION CONTAMINATED AREA	2" x 36 yards

## Yellow and Magenta Stripe Cloth Tape

Heavy duty cloth tape is extremely durable for high traffic areas



### Item No

Z-TAPE-04A

### Size

2" x 30 yards

## Paramedic Style Scissors

### Item No

US-ADC323BK



## Retractable Utility Knife

Comes with five replacement blades that are stored in the handle.



### Item No

US-OR5018-33-001

## Disposable Face Shield

Full foam top elastic shield. 24/box, 4 boxes/case.



### Item No

Z-DMASK-01B

# SoftKnees Disposable Peel and Stick Knee Pads

**SOFT KNEES®**  
★ WORK SHOULDN'T HURT®

 **Working Concepts, Inc.**



Item No	Description
US-WC1012	12 pairs/pack
US-WC1012-100	100 pairs/case

## Duracell ProCell® Batteries

Item No	Size
US-243-PC1300	D-cell; 12/pack
US-243-PC1400	C-cell; 12/pack
US-243-PC1500	AA; 24/pack
US-243-PC1604	9V; 12/pack
US-243-PC2400	AAA; 24/pack



## Personal Safety Lite

Item No	Description
US-PSL-52-AM	Two light patterns, amber
US-PSL-56	Six light patterns, red



## Pelican Flashlight, Versibrite II

Black, requires two AA batteries sold separately.

Item No
US-PEL2270BLK



## Pelican HeadsUp Lite

LED miner style light for use with hardhats.

Item No
US-PEL2610C



## Mini Mag Lite® AA Flashlight

Black, requires two AA batteries sold separately.

Item No
US-459-M2A016





# 3M™ Versaflo™ Respirator Systems

## Highly Versatile Systems for Respiratory Protection

3M™ Versaflo™ Respirator Systems are a comfortable, comprehensive approach to worker protection. Each system has three easy-to-select modules—headgear, breathing tubes, and air sources—that can be combined into dozens of system configurations. This allows Versaflo system users to experience maximum flexibility as they move from one environment to another, or from one application to the next.

### **Available in TR-300 and TR-600 Models**

#### **TR-300**

The lightweight 3M™ Versaflo™ TR-300 Powered Air Purifying Respirator is the key to easy-to-use, versatile respirator systems for particulate environments. With its compact, well-balanced and slim design, the Versaflo TR-300 powered air respirator is the answer to respiratory protection needs for many users.

#### **TR-600**

The TR-600 takes the entire Versaflo system to greater levels of confidence, control and comfort. Representing an advanced evolution of technology with increased excellence in powered air respiratory safety, your world of protection just expanded and is better than ever.

- **Simple** The Versaflo system is easy to use, with simple, one-button operation. It also has two types of alarms—one audible and one LED—to alert the user to either a low battery or low airflow, such as when a particle filter is fully loaded.
- **Intelligent** The lightweight lithium ion battery quickly charges and has no memory effect or heavy metals. The Versaflo system uses intelligent chargers to help maintain the optimum battery performance and are available in single-station or four-station configurations.
- **Customizable** Finding the right Versaflo respiratory system is easy. You may choose a complete PAPR assembly, or create your own by choosing from our products which best fit your needs.



RS-3MTR-600 and accessories

## 3M™ Versaflo™ Systems are Easy to Select

Choosing a Versaflo™ system is as easy as 1, 2, 3. Just choose your headgear, breathing tube, and an air source that fits your needs from our product matrix below. All Versaflo components are interchangeable, giving you the flexibility to find different Versaflo solutions for different exposures, applications, locations, or tasks.

### 1. Choose Your Headgear

#### Hoods & Headcovers

**APF 1000  
Respiratory  
Protection**

**RS-3MS-403L-20**  
Economy Hood



**APF 1000  
Respiratory  
Protection**

**RS-3MS-607-10**  
Replacement Hood  
with Inner Shroud

**RS-3MS-950**  
Premium Head  
Suspension  
installed inside



**APF 1000  
Waterproof  
Respiratory  
Protection**

**RS-3MS-807-5**  
Replacement  
Hood with Sealed  
Seams and Inner  
Shroud

**RS-3MS-950**  
Premium  
Suspension  
Installed Inside



#### Faceshields, Hard Hats, & Helmets

**APF 25  
M-100 Series  
Faceshield**

**RS-3MM-105**  
Faceshield  
Assembly with  
Standard Visor  
and Faceseal



**APF 25  
M-300 Series  
Hard Hat**

**RS-3MM-305**  
Hardhat  
Assembly with  
Standard Visor  
and Faceseal



**APF 1000  
M-400 Series  
Helmets**

**RS-3MM-405**  
Helmet w/Lift  
Up Visor,  
Adjustable  
Air Flow &  
General  
Purpose  
Shroud



**APF 1000  
M-400 Series  
Helmets**

**RS-3MM-407**  
Helmet with  
Premium Visor  
and Flame  
Resistant  
Shroud



#### SPECIALTY WELDING HELMETS

**APF 25  
Speedglas 9100  
Series**

**RS-3M27-0099-35SW**  
Speedglas Welding  
Helmet with Hard  
Hat and Side  
Windows

**RS-3M27-0099-87**  
Complete Neck  
Coverage for  
9100MP



**APF 1000  
Speedglas  
L-Series**

**RS-3ML-905SG**  
Speedglas Helmet  
with Welding  
& Wide View  
Faceshield

Note: Requires  
RS-3ML-170  
Breathing Tube  
Adapter



## 2. Choose Your Breathing Tube

### Breathing Tubes and Belts

#### BT-Series Breathing Tubes

##### RS-3MBT-30

Length Adjusting Breathing Tube with Quick Release Swivel Connection



##### RS-3MBT-40

Heavy Duty Neoprene Rubber Breathing Tube with Quick Release Swivel Connection



#### 300-Series Belts

##### RS-3MTR-325

Economy Web Belt



##### RS-3MTR-327

Easy Clean Vinyl Belt



#### 600-Series Belts

##### RS-3MTR-626

High Durability Belt



##### RS-3MTR-627

Easy Clean Belt



## 3. Choose Your Air Supply Source

### Air Supply Sources

#### 300-Series Air Supply Source

##### RS-3MTR-302N

Particulate PAPR

#### 600-Series Air Supply Source

##### RS-3MTR-602N

Particulate, Gas and Vapor PAPR



RS-3MTR-302N



RS-3MTR-602N

### Batteries

#### 300-Series Batteries

##### RS-3MTR-330

Lithium Ion Battery



##### RS-3MTR-322

High Capacity Battery

#### 600-Series Batteries

##### RS-3MTR-630

Standard Battery



##### RS-3MTR-632

High Capacity Battery

#### 300-Series Chargers

##### RS-3MTR-341N

Single Station Battery Charger

##### RS-3MTR-344N

Four Station Battery Charger

#### 600-Series Chargers

##### RS-3MTR-641N

Single Station Battery Charger

##### RS-3MTR-644N

Four Station Battery Charger

### Filters & Covers

#### TR-300 Series

##### RS-3MTR-3712N-40

HEPA



##### RS-3MTR-6510

Organic Vapor HEPA

##### RS-3MTR-6530N

Organic Vapor/Acid Gas HEPA

##### RS-3MTR-6500FC

Cover for TR-6500 Filters

##### RS-3MTR-6710N-40

HEPA

##### RS-3MTR-6700FC

Cover for TR-6710N

#### TR-600 Series



## Accessories

### Blower Covers

Protect your investment with custom-made blower motor and hose covers.

**COVER-05A-YW**

TR-300 PAPR Cover with Zipper, 200d Nylon, Yellow

**COVER-49A-OR**

TR-300 PAPR Cover with Zipper, FR, 88/12 Blend, 8.0 ATPV or Higher, Orange

**Z-COVER-03B-WH**

TR-300 PAPR Tyvek Cover with Zipper, White

**Z-COVER-04C-WH**

TR-600 PAPR Tyvek Cover with Zipper, White



### Supplied Air Valves

This supplied air respirator assembly can help regulate the flow and temperature of supplied air system. Cools the air up to 50°F (28°C). Includes the cooling tube, waist belt and holder.

**RS-3MV-100**

Vortex Cooling Assembly



## 3M™ Versaflo™ for Welding Applications

With its smart, compact design, the 3M™ Versaflo™ Powered Air Purifying Respirator (PAPR) has been created to meet your welding needs. This unit is designed to offer continuous filtered air. By using the Versaflo PAPR combined with a state of the art welding helmet, you get both increased protection and comfort.

- Offers full mobility
- Slim profile is perfect for use in tight spaces
- Welding filter: variable dark shade 5, 8, 9-13 for most types of arc welding
- Possible to lock-in any shade, e.g. in the light state 3 when grinding
- Delay function to set the dark-to-light opening time
- Sensitivity of the arc detection can be adjusted for unsurpassed switching reliability
- Tack welding comfort mode help minimize eye strain during extended tack welding applications
- Fits with 3M™ PELTOR™ Welding Earmuff H505B

### Welding Filters

**RS-3M06-0000-10**

3M Speedglas Auto Darkening Filter 9100V, Viewing Area 1.8in x 3.7in, Battery Life 2,800 hours, Shades 5, 8, 9-13

**RS-3M06-0000-20**

3M Speedglas Auto Darkening Filter 9100X, Viewing Area 2.1in x 4.2in, Battery Life 2,500 hours, Shades 5, 8, 9-13

**RS-3M06-0000-30**

3M Speedglas Auto Darkening Filter 9100XX, Viewing Area 2.8in x 4.2in, Battery Life 2,000 hours, Shades 5, 8, 9-13



### For More Information

Please contact your UniTech Services Group account representative to learn more about any of these products or to learn about how using the Versaflo respiratory system may benefit you.



# MAXAIR CAPR® Series Respiratory Protection

**Controlled Air Purifying Respirators Providing Unprecedented Safety, Comfort, Convenience, And Cost Effectiveness.**



***MAXAIR CAPRs meet today's needs and tomorrow's expectations.***

The CAPR Series is MAXAIR's most innovative respiratory protection product line, for the broadest range of applications, plus the most economical respiratory and contact protection solutions. Use MAXAIR CAPR systems anywhere workers could be exposed to heat stress or contaminated air.

UniTech is the exclusive authorized nuclear industry distributor of NIOSH-approved MAXAIR CAPRs. Each system features a CAPR Helmet, a Li-Ion Battery, a Battery Belt, and a Battery Charger. The system is available with either a hard hat or hood configuration.

Free of hoses, battery packs and snorkels, MAXAIR CAPRs maximize comfort and visibility. The CAPRs feature a superior fit, friendly to eyeglasses and facial hair.

***You'll never want to use masks again.***

- Increased productivity and freedom of movement
- Reduces heat stress and improves comfort
- No annual fit testing needed

***Now available in a new  
NIOSH-approved  
hard hat configuration!***

## MAXAIR CAPR System



Helmet



MAXAIR Hood



MAXAIR Hard Hat



XP Filter Cartridge



Liner



Li-Ion Battery



Li-Ion Battery Charger



Battery Belt



Power Cord



HLF (Heavy Loading Filter)

## MAXAIR CAPR System, *continued*



Item Number	Components Included	Unit of Measurement
<b>Hood System</b>		
US-MAXCA-DLC-CAPR-36	US-MAXHH-DLC-CAPR-36 System w/ Helmet (2083-03), Helmet Liner (2071-06), Cage (2051-07), 8-10 Hour Battery (2500-36TSC), Battery Charger (2600-01), and Belt (2000-76)	Each
US-MAXCA-DLC-CAPR-37	System w/ Helmet (2083-06), Liner (2071-06), Cage (2051-07), 12-15 Hour Battery (2500-37TSC), Battery Charger (2600-01), and Belt (2000-76)	Each
US-MAX2271-PB-07ML	MAXAIR Hood, Single shroud with 2170-27 Prefilter and HLF, White	10 per box
US-MAX272-PB-07ML	MAXAIR Hood, Double Shroud with 2170-27 Prefilter and HLF, White	10 per box
<b>Hard Hat System</b>		
US-MAXHH-DLC-CAPR-36	US-MAXHH-DLC-CAPR-36 System w/ Hard Hat (2061-04A), Hard Hat Liner (2071-05), Cage (2051-07), 8-10 Hour Battery (2500-36TSC), Battery Charger (2600-01), and Belt (2000-76)	Each
US-MAX2167-10	XP Filter Cartridge for CAPR Helmet (APF 1000 with Shrouds)	3/Box
US-MAX2061-04A	MAXAIR Hard Hat Shell w/ Skirt	Each
US-MAX2264-01 M/L	Hard Hat Single Shroud, Medium/Large Size, APF 1000	20/Box
US-MAX2400-090L	ANSI-Approved Impact Lens for Hard Hat, Over Shroud	3/Box
US-MAX2071-05	MAXAIR Premium Hard Hat Liner	Each
<b>Accessories &amp; Replacements</b>		
US-MAX2000-201	MAXAIR Comfort Strips	36/Box
US-MAX2590-05	MAXAIR System Power Cord, 59-in. long	Each
US-MAX2500-36TSC	MAXAIR Li-Ion Battery, Standard Capacity, 8-10 Hour Life	Each
US-MAX2500-37TSC	MAXAIR Li-Ion Battery, High Capacity, 12-15 Hour Life	Each
US-MAX2600-01	MAXAIR Battery Charger, Single Unit	Each
US-MAX2601-06	MAXAIR Battery Charger, 6 Gang Charger Kit, Li-Ion	Each
US-MAX2071-05	MAXAIR Premium Hard Hat Liner	Each
US-MAX2000-209	MAXAIR Rear Headband Pad for Helmet Liner	Each
US-MAX2099-209	MAXAIR Conversion Kit to use the US-MAX2272-PB-07ML (only) with the discontinued (12/2018) US-MAX2065-03 Helmet Assembly	Each

Contact your UniTech Account Manager or call our corporate office for more information.



# Stop the Drop: Drop Protection for Tools

**We can help you choose  
the right fall protection for  
your tools**

UniTech Services Group has partnered with 3M to introduce a line of drop protection products that make work environments safer and more productive. These products drastically reducing falling object incidents that result in personal injury, equipment damage, and tool loss. Our drop prevention solutions are designed with the craft in mind, and are third-party tested in the harshest possible conditions.

Nowhere is Ben Franklin's quote "An ounce of prevention is worth a pound of cure" more true than in critical Foreign Material Exclusion (FME) areas. The Python Drop Protection line is an excellent solution for your FME requirements. In addition to these featured products, a complete line of Drop Protection products are available to meet most any need.



For more information on drop protection or on our line of drop protection products, please call your UniTech account manager or contact our corporate office.

## Small Parts Pouch

An innovative solution that makes it nearly impossible for small objects to fall out. Its neoprene-based self-closure system can retain all contents without zippers. Made of durable 18oz duck canvas and weighing less than a pound, the black canvas small parts pouch comes with an attached carabiner and is compatible with most tool belts and harnesses.



Item No	Description	Quantity
US-3M1500119	Python Safety Small Parts Pouch with Self Closure System and Belt /Harness Attachment, 18oz Cotton Duck Material, Black	ea

## Hard Hat Coil Tether

The Hard Hat Coil Tether allows for fast and easy tethering of hard hats. The compact coil tether stays out of the way of the user, while an industrial steel clip with simple snap provides easy one-handed tethering. Can be purchased in either 10 or 100 units per pack.



Item No	Description	Quantity
US-3M1500061	Python Safety Hard Hat Safety Tether, Coil Design, 4in. Relaxed, 34" Stretched	10/pk
US-3M1500062	Python Safety Hard Hat Safety Tether, Coil Design, 4in. Relaxed, 34" Stretched	100/pk

## Safe Bucket

Designed to be used at height with a built-in closure system that helps prevent dropped objects. Vinyl bucket is load rated to 250 lbs. Hook-and-loop closure system helps prevent accidental drops. Indicator tabs show when bucket is in lockdown mode or easy access mode. Hard composite plated bottom protects bucket from accidental punctures. Protective leather sleeve is resilient to the harsh work environments.



Item No	Description	Quantity
US-3M1500140	Python Safety Safe Bucket, Built in Closure System, Vinyl with a Hard Composite Plating in Bottom, Includes Hoisting Shoulder Strap, 15in x 12.5inD	ea

## Adjustable Radio Holster

Perfectly sized for virtually any portable radio, as well as other small devices such as cell phones and cameras. Unique mounting system allows the holster to attach easily to harnesses and tool belts. This combo product includes one Python Safety Clip2Loop Coil Tether and one Micro D-Ring.



Item No	Description	Quantity
US-3M1500089	Python Safety Adjustable Radio Holster with Clip2Loop Coil and Micro D-Ring	ea

## Single Tool Holster with Retractor

Comfortably accommodates hand tools in a compact, user-friendly design that is loaded with innovative product features like Beacon™ Hi-Vis Reflectors and a water drainage vent. Constructed from a premium heavy-duty ballistic denier fabric, these holsters are engineered to withstand punishing environments. Heavy-duty 1" D-Rings are built into both sides of the holster and are load-rated for 5lbs. A neoprene pocket on the front accommodates an included retractor.



Item No	Description	Quantity
US-3M1500104	Python Safety Single Tool Holster with Retractor	ea

## Belt Loop D-Ring

Compatible with all Python Safety™ Tool Belts, the D-Ring Belt Loop attachment creates an instant attachment point for most tools. The D-Ring Belt Loop is load-rated for 5 lbs (or 2.3 kg).



Item No	Description	Quantity
US-3M1500115	Python Safety Belt Loop D-Ring, Load-Rated for 5 lbs.	ea

## Hook2Hook Coil Tether

Designed to stay out of the way when not in use, this Coil Tether is the perfect tethering solution for tools weighing up to 5 lbs. An extra-thick PU coating around the coil prevents kinking and allows the coil to retain its form. Suitable for use with holsters, belts, harnesses and tool pouches. When used with Quick Ring, the Coil Tether can be adapted to most any tool. Lightweight aluminum carabiners on either side of the extension feature locking screw-down nuts that cannot be removed. For use with Quick Ring.



Item No	Description	Quantity
US-3M1500063	Python Safety Hook2Hook Coil Tether, Vinyl Coil with Two Carabiners, Relaxed Length: 5in, Stretched Length: 62in, 5 Lb Load Rating	ea

## Quick Ring






Python Safety Quick Rings are an economical solution for making tools tether-ready quickly. Ring Pliers can be used for easier and faster Quick Ring installation. Available in a variety of diameters.











Item No	Description	Quantity
US-3M1500025	Python Safety Quick ring, 2 lb. (0.9 kg) capacity, 1.00" diameter	25/pk









# NISP Postings Signage Systems

Item Number	Description	Drawing
UTI2020-GDVHRA-4G	20" octagon sign with four ½" ID grommets. Yellow text on magenta background with yellow border. "Grave danger / Very high radiation area / Radiation protection escort and briefing required for entry" U2200 .090" polycarbonate material	
UTI2020M-GDVHRA	20" octagon sign, yellow text on magenta background with yellow border. "Grave Danger / Very high radiation area / Radiation protection escort and briefing required for entry" U2200M .090" polycarbonate material with magnetic backing.	
UTI3P-REC-C-4G	13" x 8.75" rectangle 3 pocket sign with 4 grommets. Magenta on yellow. "Caution (trefoil)" U2200 .090" polycarbonate material.	
UTI3P-TRI-CHRA-4G	12" x 16 ¾" triangle 3 pocket sign with 4 grommets. Magenta on yellow. "Caution (trefoil) high radiation area" U2200 .090" polycarbonate material	
UTI3P-OCT-DLHRA-4G	12" x 19.375" octagon 3 pocket sign with 4 grommets. Magenta on yellow. "Danger (trefoil) locked high radiation area" U2200 .090" polycarbonate material	






UTI5P-REC-C-4G	20" x 8.75" rectangle 5 pocket sign with 4 grommets. Magenta on yellow. "Caution (trefoil)" U2200 .090" polycarbonate material.	
UTI5P-TRI-CHRA-4G	12" x 20" triangle 5 pocket sign with 4 grommets. Magenta on yellow. "Caution (trefoil) high radiation area" U2200 .090" polycarbonate material	
UTI5P-OCT-DLHRA-4G	12" x 23" octagon, 5 pocket sign with 4 holes. Magenta on yellow. "Danger (trefoil) locked high radiation area" U2200 .090" polycarbonate material.	
UTIIMY-NRA	"NEUTRON RADIATION AREA". 8" x 1½" slide in insert for pocket sign. Magenta print on yellow. 25/pkg. U2200 material.	
UTIIMY-ARA	"AIRBORNE RADIOACTIVITY AREA". 8" x 1½" slide in insert for pocket sign. Magenta print on yellow. 25/pkg. U2200 material.	
UTIIMY-RM2	"RADIOACTIVE MATERIALS". 8" x 1½" slide in insert for pocket sign. Magenta print on yellow. 25/pkg. U2200 material.	
UTIIMY-CA	"CONTAMINATED AREA". 8" x 1½" slide in insert for pocket sign. Magenta print on yellow. 25/pkg. U2200 material.	
UTIIMY-RZ	"RED ZONE". 8" x 1½" slide in insert for pocket sign. Magenta print on yellow. 25/pkg. U2200 material.	
UTIIMY-YZ	"YELLOW ZONE". 8" x 1½" slide in insert for pocket sign. Magenta print on yellow. 25/pkg. U2200 material.	

UTIIMY-IO	"INSPECTION ONLY, SCRUBS, COTTON LINERS, RUBBER GLOVES, BOOTIES, AND SHOE COVERS FOR ENTRY". 8" x 1½" slide in insert for pocket sign. Magenta print on yellow. 25/pkg. U2200 material.	
UTIIMY-DRE	"DOSIMETRY REQUIRED FOR ENTRY". 8" x 1½" slide in insert for pocket sign. Magenta print on yellow. 25/pkg. U2200 material.	
UTIIMY-RWPR	"RWP REQUIRED FOR ENTRY". 8" x 1½" slide in insert for pocket sign. Magenta print on yellow. 25/pkg. U2200 material.	
UTIIMY-HRARP	"HIGH RADIATION AREA RP BRIEF REQUIRED FOR ENTRY". 8" x 1½" slide in insert for pocket sign. Magenta print on yellow. 25/pkg. U2200 material.	
UTIIMY-RPBR	"RP BRIEF REQUIRED FOR ENTRY". 8" x 1½" slide in insert for pocket sign. Magenta print on yellow. 25/pkg. U2200 material.	
UTIIMY-RPER	"RP ESCORT REQUIRED FOR ENTRY". 8" x 1½" slide in insert for pocket sign. Magenta print on yellow. 25/pkg. U2200 material.	
UTIIMY-L3AA	"LEVEL 3 ALPHA AREA". 8" x 1½" slide in insert for pocket sign. Magenta print on yellow. 25/pkg. U2200 material.	
UTI1209C-EXL-RA-4G	12" x 9" sign with four ¼" ID grommets. Magenta and black on yellow. "Caution / radiation area". U3250 PVC	
UTI1818-STOP-HRA-EXP	18" octagon shaped sign with four ¼" holes for mounting. White characters on red background with white border. "You are about to enter a high radiation area stop you must have an RP high radiation area brief for entry" U2200 .125" polycarbonate material	
UTI1818-STOP-HRA-MGLX	18" octagon shaped sign with magnetic backing. White characters on red background with white border. "You are about to enter a high radiation area stop you must have an RP high radiation area brief for entry" U2200M .090" polycarbonate material with magnetic backing.	
UTI1209C-EXL-CA-4G	12" x 9" sign with four ¼" ID grommets. Magenta and black on yellow. "caution / contaminated area" U2200 .125" polycarbonate material	

U1209C-EXL-RZ-4G	12" x 9" sign with four ¼" ID grommets. Magenta, red, green, white and black on yellow. "Caution / contaminated area / red zone . . ." U2200 .125" polycarbonate material	
UT11209C-EXL-YZ-4G	12" x 9" sign with four ¼" ID grommets. Magenta, green, white and black on yellow. "Caution / contaminated area / yellow zone . . ." U2200 .125" polycarbonate material	
UT11209C-EXL-ARA-4G	12" x 9" sign with four ¼" ID grommets. Magenta, green, white and black on yellow. "Caution / airborne radioactivity area . . ." U2200 .125" polycarbonate material	
UT11209C-EXL-NRA-4G	12" x 9" sign with four ¼" ID grommets. Magenta, green, white and black on yellow. "Caution / neutron radiation area . . ." U2200 .125" polycarbonate material	
UT11410MY-CRCA-4G	14" x 10" sign with four ¾" ID grommets. Magenta on yellow. "Caution / Radiological control area / Radioactive materials / RWP required for entry" U2200 .125" polycarbonate material	
UT15060RM-F2	5" x 6" label, magenta print on yellow background "Caution / (tri foil symbol) / Radioactive materials" 100/pkg. U4000 material	



UTI4060MY-CHS	4" x 6" tag with ¼" eyelet. Magenta on yellow, printed two sides. "caution / hot spot / s/n" U1100 .020" PVC material	
UTI65375MY-EXL-CRM	6.5" x 3.75" tag with ¼" hole. Magenta on yellow, printed two sides. "caution / radioactive material . . ." with u1900 self laminating cover on each side. U1100 .015" PVC material	
UTI65375MY-EXL-NC	6.5" x 3.75" tag with ¼" hole. Magenta on yellow, printed two sides. "caution / radioactive material . . ." U1100 .015" PVC material	
UTI5030MY-EXL-CRM	5" x 3" adhesive backed label. magenta on yellow. "caution / radioactive material . . ." u1100 .015" pvc material with high strength adhesive backing	
UTI6060MY-CRM1-PEN	6" x 6" adhesive backed label. Magenta on yellow, to read: "caution radioactive material . . ." U1100 .015" PVC material with u1900 self laminating cover and 3M high strength adhesive backing. 100 tags per pkg with 1 pen UZ540	
UTIZ540 PM BLACK	Uticom part # UZ540 pm black. special pen custom with ink. 12 per box	

UTI1711BM-SOR	17" x 11" sign with ½" ID grommets. Black on magenta. "Source of radiation / Minimize time in area" U2200 .125" polycarbonate material.	
UTI1711BG-LDWA	17" x 11" sign with ½" ID grommets. Black on day-glow green. "Alara / low dose waiting area" U2200 .125" polycarbonate material.	
UTI1711LEC-BASE	LEC light-up sign, overall dimensions 16" x 21". Base supplied with four ¼" holes, 11" x 17" light, with 12" power cord. Kit supplied with four signs, interchangeable with 3m dual lock recloseable fastener strips.	
UTI1711LEC-SOR	For LEC light-up sign, overall dimensions 16" x 21". Black and magenta. "Source of radiation / minimize time in area". Interchangeable with 3m dual lock recloseable fastener strips.	
UTI1711LEC-LDWA	For LEC light-up sign, overall dimensions 16" x 21". Black and day-glow green "Alara / low dose waiting area". Interchangeable with 3m dual lock recloseable fastener strips.	

**Don't see the  
legend you need?  
Please call!**

# Apparel Services

## Radiological Laundry Services

UniTech is the world leader in radiological laundering and protective clothing programs. With strategically located facilities and a fleet of vehicles/mobile units, we provide the dependability and high standards our customers demand.

- Our large wash capacities provide optimum mechanical agitation to enhance garment cleaning and guarantee rapid turnaround
- Each customer's garments are laundered separately and all process equipment is completely cleaned between customers, avoiding cross-contamination
- All garments are processed according to type and contamination level



## Garment Leasing Programs

Your primary business is not managing a protective garment program—ours is. With a UniTech leasing program, we manage garment inventory, storage, maintenance and Low Level Waste (LLW) disposal. What's more, you will reduce your costs for peak-need reserves, storage, inventory, maintenance and capital financing.



## Launderable Apparel

UniTech creates the standard for nuclear protective clothing, from its innovative ProTech Plus garments to its Anti C/FR series and SiteWear modesty/scrub garments.

We also provide protective clothing shipping, storage and delivery services, as well as lab-tested, economical launderable bags and a range of important accessories from glove liners to launderable tarps, mops and wipers.

## UniWear Single-Use Apparel

Especially during shutdown periods, some customers now want to utilize disposable apparel. UniTech's new UniWear is the premier line of disposable coveralls for the nuclear industry.

Our disposable SoftTech coverall provides maximum comfort and ease of wear. Our DryGuard coverall has a 100% water repellancy rating as well as excellent resistance to a wide variety of chemicals.

## Colorsized Program

Speed up dress-outs! UniTech's new Colorsized size identification program accelerates garment selection in controlled-side change rooms. Rubber gloves, shoe covers and coverall sizes can be instantly identified through this color-coded ensemble system. Saves time on inventory room management too.



# UniTech Service Centers:

- Nine strategically located service centers within a 6-hour drive time of 95% of the U.S. nuclear licensed facilities
- 30,000 sq. ft. facility dedicated to the tool and equipment decontamination management program



## Off-Site Metal Decontamination Services

### *Nondestructive Specialty Decon Processes:*

#### **CO<sub>2</sub> Blast Systems**

- Gentle cleaning and decontamination for your delicate tooling, gauges, motors, calibration, and electronic equipment
- Minimizes secondary waste stream from the decontamination processes

#### **PlasBlast Decontamination System**

- Utilizes high velocity stream of plastic particles
- More aggressive medium than CO<sub>2</sub> for your hand tools and equipment
- Plastic medium is recycled to reduce waste

#### **Liquid Abrasive Cleaning**

- Powerful enough to descale crusty valves, remove rust from tools, remove layers of contaminated paint
- Effective decontamination technique since pressure can be varied from gentle scrubbing action to actual stock removal
- Decontamination of equipment to free release levels
- Radwaste reduction through the use of recyclable medium
- High pressure water and steam from 100 psig to 20,000 psig

## Tool and Equipment Management Program (TEMP)

UniTech Services Group provides off-site decontamination, repair and inventory of your tools and equipment from one of our ISO 9001 and 14001 certified facilities. Tools and equipment can also be rented or leased on a short or long-term basis.

### *Unrestricted Radiological Release of Your Most Sensitive Tools and Equipment:*

- Radiological instrumentation
- Calibration and testing equipment
- Custom unrestricted release monitors

### *Tool and Equipment Management Program (TEMP):*

- Outage management of customer owned equipment
- Bar coding and tracking of customer owned equipment
- Immediate replacement or repair of lost or damaged equipment
- Sister plant tool and equipment sharing

### *Tool and Equipment Leasing Program:*

- HEPA ventilation units
- Tools, scaffolding, materials, and equipment
- Health physics instrumentation

### *Long-Term Storage of Customer Tools, Equipment and Materials:*

- Outage storage of up to 175 trailers
- >500,000 cubic feet of environmentally controlled storage space





# Reduce, Reuse, Recycle

## Your Solutions-Based Partner for All Waste Management and TMD Needs

### Segregation & Sorting

- Dry Active Waste (DAW)
- Metals
- Wood
- Single-Use Garments

### In-House Decontamination

- Tool & Metal
- Scaffolding
- Lead Blankets
- Frac Tanks
- Equipment
- Motors

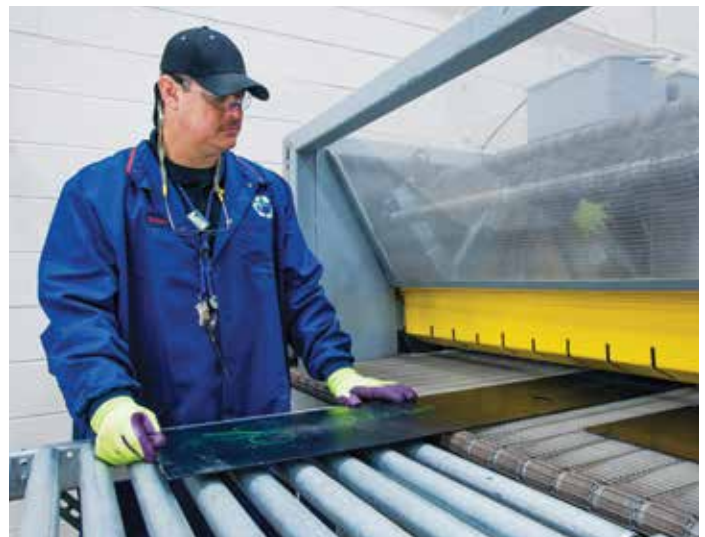
### HEPA Maintenance

### Equipment Inventory

## Materials Processing & Waste Management

UniTech provides a complete material processing and waste management system that addresses critical needs in the nuclear industry. Our system is designed to reduce waste, while maximizing reuse and recycling as much as possible.

UniTech's regional facilities accept tools, equipment and other materials from customers, then monitor, decontaminate and, as needed, ship contaminated materials to UniTech's Oak Ridge Service Center (ORSC) for final disposition. Customers have the assurance of a turnkey process, along with financial savings. While at a customer's facility for outage work, UniTech can easily pick up Dry Active Waste (DAW) for segregation and sorting. The ORSC can provide sorting and analysis of DAW, metals, wood, and single-use garments, as well as in-house decontamination, recycling, free release of eligible materials, and materials transportation.



## Tool, Metal and Equipment Decontamination & Monitoring

UniTech's decon and monitoring programs are designed to reduce your nuclear facility's carbon footprint and help attain top-quartile regulatory ratings. Our customized tool and equipment monitoring, decontamination and management services are the difference between accumulating contaminated tools and equipment, or having your site free of these problems.

- Customers turn to UniTech for unique monitoring and cutting needs.
- We provide transportation, storage, the industry's most advanced monitoring capabilities, decontamination, management for tools and equipment, materials processing, and waste management.
- Our custom monitoring solutions ensure customers get consistent, reliable and repeatable monitoring results. UniTech expertly monitors scaffolding, pipes, tools, FRAC tanks, fork and scissor lifts, ladders, lead blankets, HEPA maintenance, and much more, including unique needs.
- UniTech provides cost-effective non-outage tool and metal decontamination services via the Oak Ridge Service Center and its BSFR processing license.

# Respirator Equipment Services

## Professional Respirator Inspection, Maintenance and Repair

UniTech Services Group is an excellent choice for organizations seeking reliable, efficient and cost-effective off-site respiratory equipment services. With over 50 years in PPE services to the industry, we have substantial experience in supporting our customers in respiratory program compliance. From equipment pickup to delivery, only UniTech can offer the following:

- Regional processing centers
- NRC licensed facilities for nuclear materials
- Dedicated truck fleet for pickup/delivery
- ISO 9001&14001 compliant operations
- Trained and certified staff
- High volume process capability
- Extensive lease & sales inventory
- Complete inspection/test capabilities
- Full inventory of repair parts



### **State of the Art Facilities**

UniTech has eleven licensed processing locations worldwide. We are heavily invested in sophisticated equipment and systems that offer our customers reliable, high quality process services.

In addition, we offer a wide range of respiratory equipment for direct sale and rental.

### **ISO-Compliant Procedures**

UniTech employs stringent procedures to process customer items that meet their specific requirements. From equipment settings to test parameters to packaging, all process steps are quality assured.

### **Packaging, Shipping and Logistics**

UniTech completes processing quickly thanks to our regional facilities and broad geographic coverage. Once cleaning, inspection and testing are complete, we professionally package respiratory equipment and expedite it back to the customer.

For customers who utilize our garment laundering services, respirator pickup and delivery can be included with other items. Speed and economy work together with UniTech.

**Call your Technical Account Manager for more details!**



## Automated Laundry Monitors

UniTech Automated Laundry Monitors (ALMs) monitor 100 percent of each and every item as the item passes between the upper and lower detector bank and reliably detects low levels of alpha and beta radioactive contamination on garments and other surfaces. It scans large areas at a steady speed, using consistent geometry, to provide a level of monitoring quality far superior to hand frisking. The use of many small beta probes instead of a few large ones provides an important advantage when monitoring anti-C garments: unnecessary rejection of garments is minimized, and sensitivity to hot particles is enhanced. This is because large probes cannot reliably distinguish the radiation caused by a single hot particle from the high count rates caused a large probe seeing low level beta-gamma contamination spread over a wide area. Failure to use a small detector size can result in costly garment losses and waste charges.



UniTech's ALMs have height specific monitoring geometries and use separate 100 cm<sup>2</sup> gas flow proportional beta detectors in the system, arranged 32 to the upper bank and 32 to the lower bank. Each bank is divided into two rows with the back row offset to eliminate zones of reduced efficiency between detectors.

In addition, we have the ability to add 100% fixed Alpha monitoring. The Alpha array has 24 separate 600 cm<sup>2</sup> gas flow proportional detectors, arranged 12 to the upper bank and 12 to the lower bank. Each bank is divided into two rows with the back row offset to eliminate zones of reduced efficiency between detectors. Each detector has an integral amplifier-discriminator, which eliminates the need to transmit a very small pulse through a long coaxial cable. The on-detector circuitry includes pulse-shaping and an optically-isolated interface to the PC counting system.

## Off-Site HEPA Vacuum and Air Handling Unit Services

Portable HEPA vacuums and air units are typically not maintained in a manner that supports their continued use.

That's why UniTech offers off-site HEPA ventilation and vacuum services, including maintenance, storage, repair and testing. This includes complete assessment of the units you have on hand and recommendations to make them completely operable. We keep a detailed maintenance history report on file for every one of the HEPA units we service.





# Mobile Supply Store Program

UniTech can meet your on-site needs—including last-minute requirements—for a broad range of accessories and consumable items, as well as radiological and industrial safety apparel. Our mobile supply store is a custom-packed trailer delivered directly to your site. Our unique programs allow you to pick the types of inventory you want in your trailer, and even elect to have an on-site coordinator for stock handling and endpoint delivery. We are convinced that once you experience our mobile supply store, it will become an integral part of your program.





**New**

# Atrix Hazardous Particulate Vacuums and Filters

Not all vacuums are created equal. Atrix Hazardous Particulate vacuums are unique from the standpoint that the filters are completely sealed within a plastic housing to provide TRUE HEPA (High Efficiency Particulate Air) and TRUE ULPA (Ultra Low Penetrating Air) filtration. There are no messy secondary or tertiary filters to change or replace, which can expose the operator to hazardous particles.

Atrix HEPA filters are 99.97% efficient at .3 microns, and Atrix ULPA filters are 99.99% efficient at .12 microns. In addition, these filters carry this efficiency in-situation, meaning they are calibrated and meet these efficiencies in harmony with the vacuum motor power.

## HCTV5H Vacuum

Quiet, powerful motor with 5-gallon disposable HEPA filter, 9-ft. clear hose, 16-inch flexible wand, crevice tool, crevice tool brush, utility nozzle, two hose plugs, power cord, and free-wheeling canister base.



Item No	Description
US-ATIHCTV5H	HCTV5H 110V Vacuum
US-ATIHCTV5HF	HCTV5H 230V Vacuum

## HCTV5H ULPA Filter

99.999% efficient at .12 micron.

Item No	Description
US-AT10F7124L	ULPA Filter



## HCTV5H HEPA Filter

99.97% efficient at .3 micron.

Item No	Description
US-AT1421-005	HEPA Filter



## Suit Case HEPA Vac



The Omega Supreme Electronic 1 Gallon HEPA dry particulate vacuum offers the most features to fit any application. And, at less than 70 decibels, it is the quietest Atrix service vacuum available.

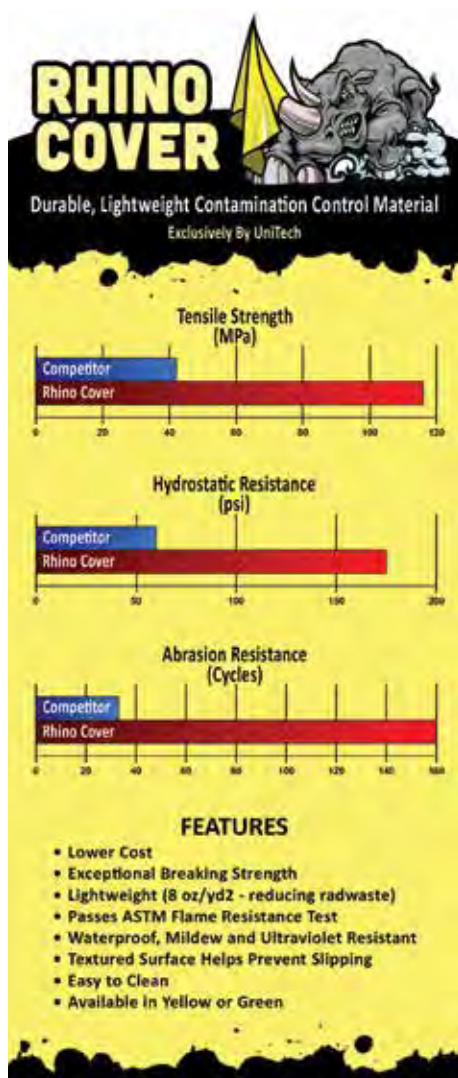
Filters compatible with US-AT1ASLFH



OF712UL

OF612HE-IC

Item No	Description
Optional Accessories	
US-ATOF712UL	Omega ULPA Filter Cartridge HEPA CERTIFIED Omega Series Filter Cartridge
US-AT1OF612HE-IC	



## RhinoCover Contamination Control Fabric

RhinoCover is a durable, lightweight contamination control barrier material. It is manufactured with Herculite FCM 800 material and offered exclusively by UniTech.

RhinoCover combines a waterproof barrier film with a strong knitted polyester scrim. This results in a material with a high breaking strength while maintaining exceptional flexibility. It is lightweight, resulting in reduced radwaste cost for its users. RhinoCover provides features that make it an exceptional choice for your barrier needs, including:

- Lower cost
- Exceptional breaking strength (90 lbs/sq. in.)
- Lightweight material (8 oz/sq. yd., reducing radwaste)
- Passes ASTM flame resistance test
- Waterproof, mildew and ultraviolet light resistant
- Textured surface to help prevent slipping
- Easy to clean
- Available in yellow and green



## Herculite 20

Herculite #20 Yellow is an industrial fabric with knitted polyester scrims for strong tear resistance and improved flexibility.

Fabric produced with Herculite 20 features higher tear resistance, waterproofing, mildew resistance, ultraviolet light resistance, and also meets Federal Standard 191-5903 for flame resistance.

Herculite 20 is an ideal floor or equipment covering.

Fiber content: 88% Vinyl / 12% polyester

Each roll is 54 in. wide by 100 yds.



HE-80 Yellow



HE-80 Green



Item No	Description
US-100216	Herc 20, Yellow

# Pelican Remote Area Lighting Systems (RALS)

Remote Area Lighting Systems from Pelican offer up to 40 hours of bright LED light. Each RALS is designed with LED technology to provide a better quality of light, high reliability, and low energy consumption.



RALS are the perfect lighting solution for completing maintenance and outage-related tasks.

- Maintenance-free LED array with 50,000-hour life expectancy
- Full-time battery level indication with low-level flashing indicator
- Deployable mast with 340-degree rotation
- Multiple deployment positions
- Convenient shoulder strap
- Quick release / hot-swappable battery design with 12 volt power supply
- Free app with Bluetooth® wireless technology controls multiple units. App runs on iPhone devices
- Up to 6,000 lumens (calculated)
- Up to 24 hours of run time
- Intelligent Control (allows or various light output levels)



Unit is housed in a Pelican™ Protector Case™, designed rugged to withstand the harshest environments on earth with guaranteed excellence.

Item No	Description
US-PEL9460RS	Pelican RALS, Pelican Protector Case w/ Rechargeable Sealed Battery Pack, 2 Telescoping Heads
US-PEL9490RS	Pelican RALS, Pelican Protector Case w/ Rechargeable Sealed Battery Pack, 1 Telescoping Heads



US-PEL9460RS



US-PEL9490RS





## Solving the Most Unique Waste Management & TMD Challenges

UniTech's off-site services can augment your site's laundry, respirator and equipment decontamination programs. In addition, our capabilities make us the ideal partner for tackling your largest projects.

### **Materials Processing & Waste Management**

- Segregation, Sorting and Analysis of DAW, Metals, Wood, and All Single-Use Garments
- Licensed Bulk Survey for Release (BSFR) Disposal At Reduced Rates

### **Tool, Metal and Equipment Decontamination & Monitoring**

- Scaffolding
- Lead Blankets
- Frac Tanks
- HEPA Maintenance
- Unique Monitoring & Cutting Needs
- And More

**See page 60.**



UniTech Services Group, Inc. is a subsidiary of UniFirst Corporation.



## U.S. Locations

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www.UniTechUS.com

### **Service Center**

Oak Ridge, TN

### **Plants**

Springfield, MA  
Royersford, PA  
Oak Ridge, TN  
Barnwell, SC  
Morris, IL  
Santa Fe, NM  
Ontario, CA  
Richland, WA

## EU Locations

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