UniTech Monitoring Services

Consistent, Reliable, Repeatable

Nuclear facilities in the U.S., Canada and Europe turn to UniTech Services Group for all their monitoring needs.

Why UniTech?

- UniTech designs, builds and uses custom monitoring solutions to ensure customers get consistent, reliable and repeatable monitoring results.
- UniTech expertly monitors scaffolding, pipes, tools, FRAC tanks, fork and scissor lifts, ladders, and much more... including unique needs.
- UniTech monitoring processes cannot be duplicated with handheld monitoring equipment.
- The difference between accumulating contaminated tools and equipment on your site vs. using UniTech's services can also make the difference between top-quartile or less desirable regulatory ratings.
- UniTech's radioactive material processing facilities provide low stable backgrounds, ample space, a focused labor group, and high-tech instrumentation for technically superior and cost-effective services.
- We provide transportation, storage, the industry's most advanced monitoring capabilities, decontamination, and management for tools and equipment.





There are 64 each 100 cm² beta and 24 each 600 cm² alpha detectors in the system, arranged in an upper and lower bank. Each bank has two rows of detectors offset to ensure a flat efficiency across the monitors bed width.



Comprehensive UniTech Monitoring Systems and Services

UniTech designs, builds and uses customized monitors to ensure customers receive consistent and reliable monitoring results.



Straight Scaffold Pipe and Round Items Monitor

Overlapping detectors are positioned around the pipe, assuring that the exterior surfaces are completely monitored with computer controlled alarm points and user-selectable confidence levels.

▲ SAM Wedge

This UniTech-built device allows us to monitor Excel scaffold brace ends to release levels in an optimum geometry with the lowest background possible.



View our Monitoring and Decontamination capabilities video online

🔻 Respirator Filter Monitor

UniTech offers services using highly reliable automated conveying equipment for monitoring respirator filters.

9.5" Aluminum Plank and 9.5" Filler Aluminum Plank Monitor

This UniTech-designed monitor surveys 90 to 95 percent of all surfaces of the scaffold for fixed Beta and Alpha.



Excel Scaffold Vertical Leg Monitor

Some monitoring requires detectors that are shaped to match the item being monitored. Excel vertical leg piping has collars spaced every 8" along upright sections. UniTech's specially shaped detectors survey entire sections of scaffolding in seconds.

▲ Pipe Splitter

Splitter slices through long sections of pipe, exposing inaccessible areas to allow direct survey of fixed radioactivity. The pipe splitter cuts through metal up to three inches in diameter so internal surfaces can be surveyed for free release; splitting and monitoring also reveals whether internal surfaces need to be decontaminated.

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at <u>www.UniTechUS.com/content/services/tool and metal services.php</u>
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Automated Laundry Monitors (ALMs)

UniTech has developed Automated Laundry Monitors (ALMs) for every monitoring need.

- Digital instrumentation with individually amplified detector signals allow for monitoring to very low levels of activity.
- All systems use two rows of staggered gas flow detectors (both above and below the item) with adjustable height and synchronized wire mesh conveyors to minimize detector-to-garment distance and provide optimal counting geometry.
- Each detector has its own on-board amplifier to assure maximum efficiency.

Small Probe ALM (FLM)

The ALM 100 uses 100 sq. cm. detectors arranged in two rows with the back row of detectors offset 50% from the front row both below and above the belt. The small offset probe arrangement results in effective hot particle detection while minimizing false over-rejection.

Low Activity Monitors (LAM)

The LAM 410 uses 410 sq. cm. detectors in an offset probe arrangement. Typical usage includes personal items, daily wear, undergarments, towels, scrubs, and radwaste segregation.

Alpha/Beta Monitors (ABM)

Our ABALM-100/600 (Alpha/Beta Monitor) uses 100 sq. cm. beta detectors and 600 sq. cm. alpha detectors in a double offset probe arrangement above and below the belt to ensure there are no dead zones across the monitoring bed width. PC-based counting instrumentation simplifies operation and allows for computer-controlled alarm points and user-selected confidence levels.



Isn't it time to change the way your facility handles its monitoring and decontamination challenges? Talk with UniTech today.

Plant Locations

Springfield, Massachusetts Royersford, Pennsylvania Oak Ridge, Tennessee Barnwell, South Carolina Macon, Georgia Morris, Illinois Santa Fe, New Mexico Ontario, California Richland, Washington Laar, Germany Coevorden, Netherlands Oakdale, UK La Bouilladisse, France







ISO 9001 CERTIFIED



A Subsidiary of UniFirst Corporation



Certificate Number 968

ISO 14001 CERTIFIED

UniTech Corporate Headquarters 295 Parker Street • P.O. Box 51957 • Springfield, MA 01151 Toll free: 800-344-3824 • Tel: 413-543-6911 • Fax 413-543-6989 www.UniTechUS.com • www.ShopUniTech.com

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