



LANCS
INDUSTRIES



**Manufacturing radiation shielding and
containment solutions since 1974**



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LanCS Industries manufactures radiation shielding and containment products used to increase safety and reduce risk to workers in hazardous environments. Our products reduce radiation exposure and minimize the spread of contamination at nuclear power plants, Department of Energy remediation sites and laboratories, U.S. Navy ships, submarines and shipyards, and radioactive settings throughout the United States and the world.



Radiation Protection Products Delivered Direct from the Manufacturer

With a 15,000 sq. ft. production and administrative facility in Kirkland, Washington, Lancs is the largest manufacturer of radiation shielding and containment products in North America. Lancs has produced over 80% of the lead wool blankets used in United States nuclear power plants today. We carry a ready-to-ship inventory of standard products that includes glovebags, sleeving and lead wool blankets.

Since 1974, the in-house manufacturing facilities at Lancs Industries have supported a flexible design process that delivers the highest quality products, on-time and on-budget.

Key Product Groups

- Lead Wool Blankets and Tungsten Shielding
- Containments
- Glovebags
- Sleeving, Bags and Roll Goods
- Tents
- Respiratory Equipment
- Supplies and Accessories
- Protective Clothing
- Flexible HEPA Grade Filters
- Ventilation and Engineered Controlled Systems
- Training for Your Staff
- Custom Design



Lead Wool Blankets and Tungsten Shielding

Lancs Industries has over 35 years of experience in manufacturing radiation shielding products. Our expertise with a broad array of dose reduction challenges helps solve the difficult shielding situations a Radiation Protection Manager or Technician will encounter. From emergent radiological issues to large scale refueling outages, we can recommend and custom manufacture the best shielding solution for your specific needs.



Containments

To capture drips or leaks under pipes, valves and other components, Catch Containments (also called Drip Bags, Drip Pockets and Drip Funnels) help prevent the spread of contamination. Lancs manufactures catch containments in two styles—Cylindrical and Conical. Colors include yellow for radiological use, clear or clear-green for non-radiological use, and a variety of other colors to meet your particular needs.



Glovebags

Glovebags are flexible containments used to enclose and provide a safe and confined area for work on potentially radioactive items. They allow work to be performed more easily, quickly and safely, requiring less protective clothing to be worn by the radiation protection technician. Access to the glovebag interior via gloved sleeves enables repairs or manipulations to be performed without the risk of direct contact with contaminated surfaces. Lancs is the largest manufacturer of glovebags in the United States, with glovebags available in numerous configurations and dimensions.



Sleeving, Bags and Roll Goods

Good work practices include selecting the right tools and materials that fit the needs of a particular job. Handling, controlling, and disposing of radioactive or contaminated material in a safe manner requires proper technique and supplies. Sometimes an off-the-shelf item can satisfy your work requirements. More often than not however, special made-to-fit sleeving, bags or other items which have been custom fabricated from roll goods will provide a more effective and efficient solution to a given task. Lancs provides a range of sleeving, bags and roll goods made from materials that meet stringent quality control criteria and rigorous performance requirements.



Tents

Properly designed tent enclosures reduce cross-contamination by providing a barrier between contaminated work and clean areas.

Tents and containments create controlled environments that reduce overall exposure levels, and minimize the scope and complexity of cleanup operations that may follow.



Since our founding in 1974 Lancs has become the largest supplier of high quality tents for remediation work in the United States. We custom manufacture multiple configurations of work tents - from simple single chamber tents with limited access, to complex projects requiring expandable, collapsible, multi-tier, multi-chamber tents covering thousands of square feet. We produce decontamination chambers, steam generator work tents, bullpen containments (without a roof), and large scale covers with irregular shapes. We can work directly from your design to produce a tent that is precisely to your specifications, or you may draw upon our experience to incorporate best practices and other desirable features to produce a tent that best satisfies your project requirements.

If you can draw it – Lancs can make it.



Respiratory Equipment

The National Institute for Occupational Safety and Health (NIOSH) regulates performance requirements, quality control, testing and approval of respiratory equipment manufactured and sold for use in hazardous environments.

Lancs manufactures a series of Supplied Air Respirator hoods under NIOSH

Approval Number TC-19C-160. Our Air Fed Hoods are Type C—Continuous Flow Class supplied air respirators.



Supplies and Accessories

Lancs offers a wide variety of supplies and accessories including Anti-C gloves, glove rings, standard and flexible HEPA filters, flexible assemblies, poly-bottles, adaptors, drain fittings, clamps, hand pumps, vent assemblies, and tie-offs.

If you need it, we've got it.



Protective Clothing

Lancs understands your functional requirements, worker comfort needs, and disposal concerns when it comes to anti-contamination clothing. Custom designed and produced, our protective clothing is manufactured with zippered or Velcro closures, and over-flaps to prevent inadvertent opening. Key stress points are reinforced to prevent tearing. Generous sizing ensures ease of movement. Depending on your needs, our suits can be produced from either polyvinyl chloride (PVC) which is fire retardant, or polyurethane (PU) which is certified incinerable and disposable.



Flexible HEPA Grade Filters

Our patented HEPA grade filters permit air transfer from bags and containment systems without releasing radioactive materials, thereby reducing radioactive waste volume significantly. We heat-seal the filters into PVC, PU, or polyethylene (PE) plastic film. Products manufactured by Lancs which typically use these flexible HEPA grade filters include:

- Bag-In/Bag-Out Bags
- Drum Covers
- Drum Liner Bags
- Drum Transfer Bags
- Hot Cell, Over Pack, Transfer and Waste Box Sleeves
- Vented Drum Covers



Ventilation and Engineered Controlled Systems

Lancs distributes ventilation systems, portable HEPA filtration and carbon absorption systems produced by Radiation Protection Systems (RPS) which are frequently used in conjunction with our containment tents.



These ventilation products also include pre-filters, flexible duct, stainless fittings, hoods, glove boxes, and related accessories.

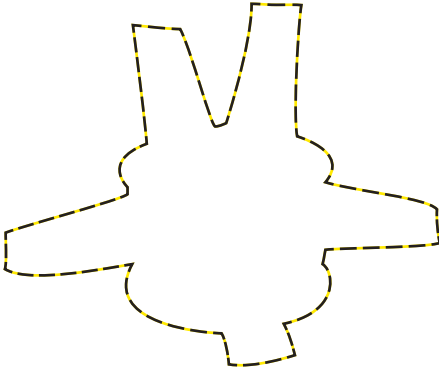


Training for Your Staff: Innovative Radiological Work Practices and ALARA Techniques

Radiological work training on the use of glovebags, tents, and shielding is available at our facility in Kirkland, Washington, or at your plant, clean-up or laboratory site, shipbuilding or production facility. We train your staff on the key best practices in ALARA safety which translate into lower dose to workers, shorter outages, and cost savings. These training sessions are led by Larry Waggoner who was the Founder and Manager of the Hanford ALARA Center for 12 years, following 36 years with the Nuclear Power Division at the Puget Sound Naval Shipyard. Larry is a Fellow of the Health Physics Society, a Registered Radiation Protection Technologist, and a recipient of the Operational Health Physicist of the Year Award.

Custom Design

What Does Your Product Look Like?



Lancs Industries manufactures radiation shielding and containment products using a flexible design and manufacturing process that is always responsive to customer needs. Material selection, functional design, and product dimensions can all be uniquely specified. Many projects and maintenance operations require creative solutions that when done with the right equipment can reduce the complexity and cost of the project. For example:

- Flexible Covers to protect high value equipment
- Waste Box Liners to streamline disposal activities
- Splash Guards to avoid contaminating equipment after use
- FME Caps to protect objects during transfer and transport
- RAM Bags & Sleeves to shroud objects for handling and disposal

For custom designed shielding and containment solutions, contact your Lancs Industries sales representative.



Lancs Industries is certified by the National Minority Supplier Development Council and the State of Washington as a Minority Business Enterprise (MBE), and is a registered small, disadvantaged business enterprise (SDBE) as defined by the U.S. Small Business Administration.

Want More Information?

To receive a full color catalog with detailed descriptions of our over 500 products, call us at 425.823.6634, or visit LancsIndustries.com, fill out our contact form, and select the catalog option. You may also obtain a free quotation online and learn more about our products and company.



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