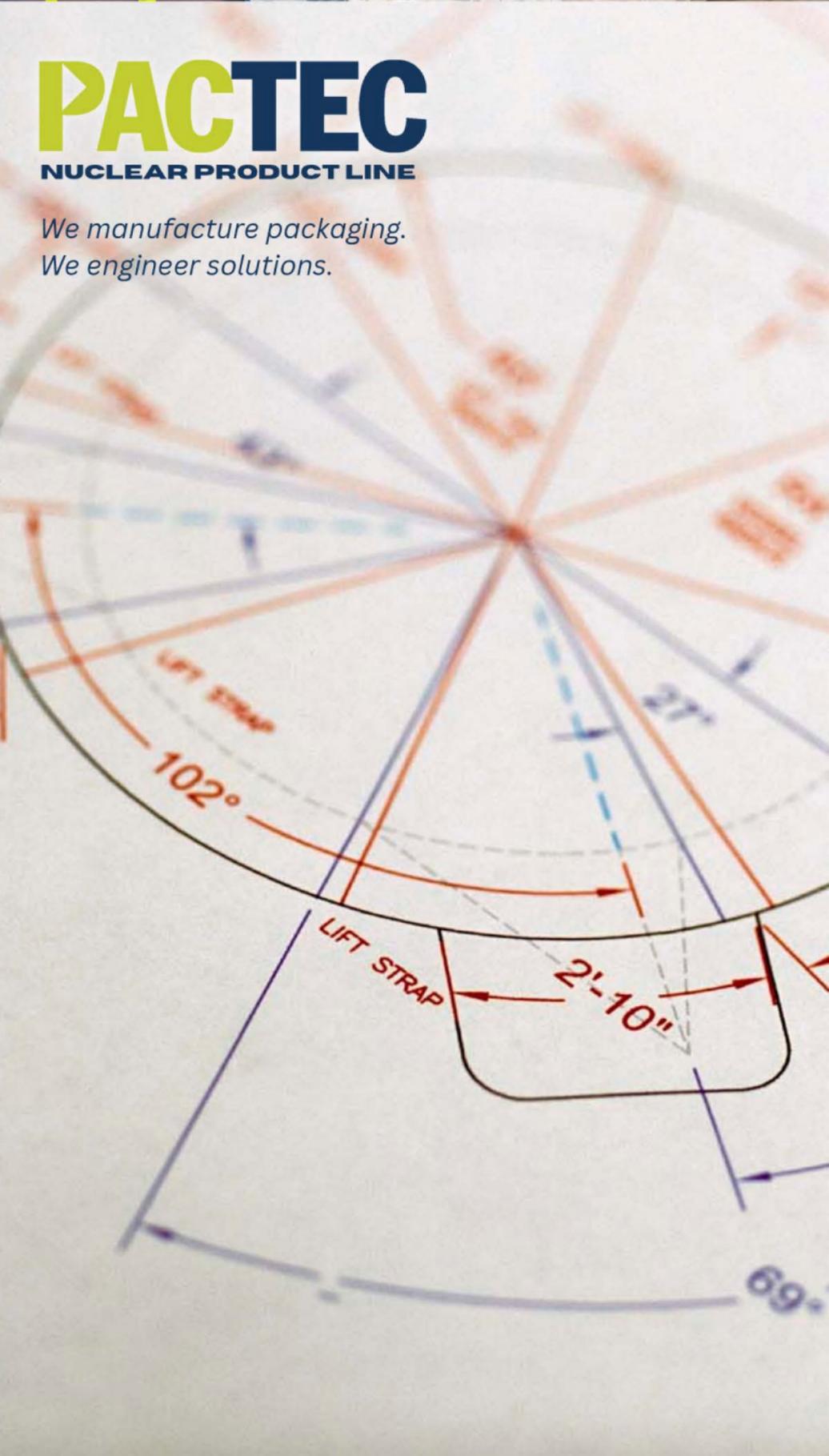




PACTEC

NUCLEAR PRODUCT LINE

*We manufacture packaging.
We engineer solutions.*





DIGITAL BROCHURE

PACTEC

This graphic is a circular badge with a blue border. At the top, the words 'DIGITAL BROCHURE' are written in white capital letters on a dark blue curved banner. The center of the circle features a large QR code. Below the QR code, the word 'PACTEC' is written in a bold, yellow, sans-serif font. The background of the circle is white with a subtle pattern.

**WE MANUFACTURE PACKAGING.
WE ENGINEER SOLUTIONS.**

PacTec, Inc. is the leader in designing and manufacturing flexible packaging for hazardous and nuclear wastes across the globe. Enclosed you will find details on our complete line of waste containment and packaging solutions.

Our corporate offices are based in Clinton, LA with sales and distribution locations worldwide. We also own and operate manufacturing facilities in Clinton, LA and Subic Bay, Philippines.

With over 20 US and one British patent, we have a reputation for developing innovative solutions for today's problems.

QUICK FACTS

- ▶ 20+ US and One British Patent
- ▶ ISO 9001: 2015, NQA-1 Certified
- ▶ 6 US Distribution Facilities
- ▶ 3 Manufacturing Plants
- ▶ Worldwide Sales Locations

SERVICES

- ▶ Research & Development
- ▶ Engineering
- ▶ Quality Control
- ▶ Product Testing
- ▶ Customer Service & Consultation



LiftPac[®]

IP-1, IP-2, & TYPE A FLEXIBLE CONTAINERS

The LiftPac[®] flexible container is ideal for flowable solids and debris such as sand, soil, gravel, and D&D wastes- and meets DOT transport regulations.

Manufactured of heavy-duty woven and non-woven polypropylene with proprietary zipper closures, the LiftPac[®] gives users a safe and secure way to store, transport, and dispose of a variety of wastes to meet IP-1, IP-2 or Type A.

Applications:

- ▶ Storage, transport, and disposal of flowable solids & debris
- ▶ Replaces metal and wooden boxes
- ▶ Reduce D&D packaging and transportation costs

Features:

- ▶ Easy to handle, load, and store
- ▶ One-piece design for easy use
- ▶ Optional liners available
- ▶ Reduced project footprint
- ▶ IP-1, IP-2, & Type A packages available
- ▶ Type A has been fissile tested

Advantages:

- ▶ Increased waste loading vs. metal containers
- ▶ One-piece design for easy use
- ▶ Optional liners available
- ▶ Reduced project footprint





LiftPac[®] SSX

**3.5 CUBIC YD. SELF-STANDING
IP-1 FLEXIBLE CONTAINERS**

LIFTPAC SSX

The LiftPac[®] SSX is a self-standing flexible container that is ideal for loading and unloading without a frame. The bag features our proprietary zipper system for easy closure and a single-pick design for easy lifting. That means no loading frames or lifting frames are necessary.

Manufactured of heavy-duty polypropylene, heavy-duty fiberboard, and a 6 mil PE liner. The LiftPac[®] SSX gives users an easy and secure way to store, transport, and dispose of a variety of low level waste.

Applications:

- ▶ Storage, transport, and disposal of flowable solids & debris
- ▶ Replaces metal and wooden boxes
- ▶ Reduce D&D packaging and transportation costs

Features:

- ▶ Easy to handle, load, and store
- ▶ One-piece design for easy use
- ▶ Optional liners available
- ▶ Reduced project footprint
- ▶ IP-1 & IP-2 certified packages available

Advantages:

- ▶ Increased waste loading vs. metal containers
- ▶ One-piece design for easy use
- ▶ Optional liners available
- ▶ Reduced project footprint





LiftPac[®] SS

DUAL PURPOSE UN-X/IP-1 CUBIC YARD BAG

PacTec's LiftPac[®] SS is the only self-standing, zipper-top UN-X/IP-1 waste bag on the market. This cubic yard bag is the perfect solution for the disposal of hazardous waste, contaminated PPE, and asbestos.

The LiftPac[®] walls are constructed of rigid corrugated fiberboard allowing the bag to be self-standing, while the 6 mil PE liner provides ultimate leak protection.

It contains close to the equivalent of four 55-gallon drums at a significant savings in cost and storage space. They are lightweight, easy to assemble, versatile, and can easily be lifted by forklift with attached loops.



Applications:

- ▶ Hazardous waste
- ▶ Lab packing
- ▶ Contaminated PPE
- ▶ Soil, asbestos, & other dusts
- ▶ Dry active wastes (DAW)

Features:

- ▶ UN-Rated "X" for Packaging Groups I, II, & III, and IP-1 certified
- ▶ Frameless operation
- ▶ PE Liner on inside prevents leaking
- ▶ Optional puncture liners available
- ▶ Arrives flat-packed, 36 per pallet



Advantages:

- ▶ Increased waste loading vs. metal containers
- ▶ One-piece design for easy use
- ▶ Optional liners available
- ▶ Reduced project footprint



PACTEC
LIFTPAC® 800.272.2832
www.pactecinc.com

INSTRUCTIONS:
1. Stand unit upright
2. Fold out sides until square
3. Load until full, then zip closed

UN 13H4/X/0416
IND/100850394/2600/1383

PACTEC
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INSTRUCTIONS:
1. Stand unit upright
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UN 13H4/X/0416
IND/100850394/2600/1383

Drum LiftPac[®]

IP-1 & IP-2 DRUM LIFTPACS

Our engineers develop your design requirements into practical products. This is the ideal packaging solution for containing legacy drums- bringing them into compliance and making them suitable for shipping. These heavy-duty drum LiftPacs are offered as an IP-1 and IP-2 package. They are made-to-spec, fitting 55 & 85-gallon drums.

Each Drum LiftPac is fitted with a single-pick design, where the high-strength industrial straps can be lifted by a single attachment point.

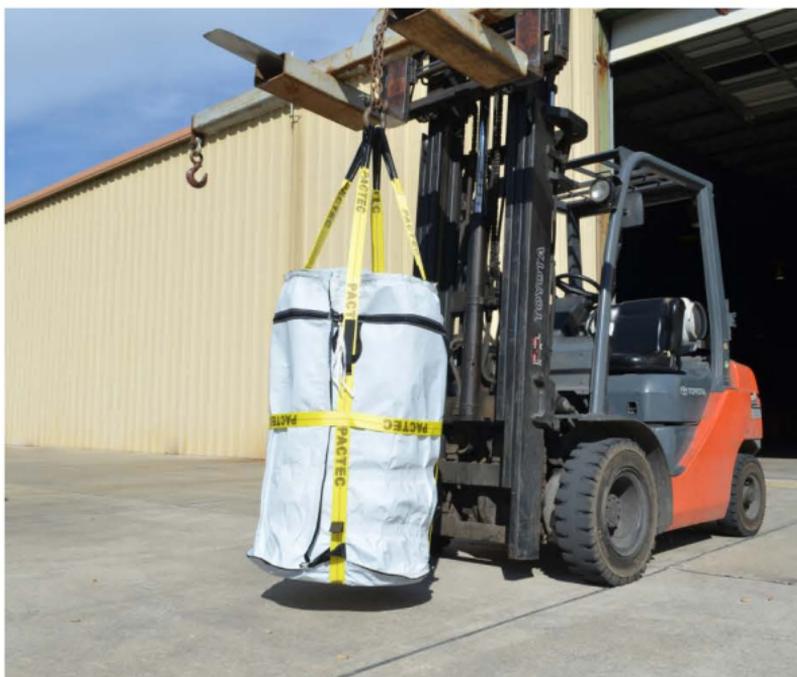


Applications:

- ▶ Corroded drums
- ▶ Out of compliance drums
- ▶ Overweight drums

Features:

- ▶ Durable industrial fabrics
- ▶ Proprietary zipper closure system
- ▶ Can incorporate a tamper indication device
- ▶ IP-1 & IP-2 certified models available



Advantages:

- ▶ Customized to fit
- ▶ Best-in-industry manufacturing lead times
- ▶ Reduces worker exposure
- ▶ DOT & IAEA-compliant packaging



Resource Library

SCAN OR CODES TO ACCESS MORE INFORMATION





MacroBag[®]

MACROENCAPSULATION FOR LLMW & RLS

PacTec has pioneered and patented a cost-effective treatment technology with its MacroBag[®], a flexible package used for the secure macroencapsulation of radioactive hazardous debris. The MacroBag[®] provides a safe, cost-effective, and easy-to-use solution for disposing of radioactive lead solids (RLS), and low-level mixed waste (LLMW) debris, which can be custom-sized to meet the needs of your project.



Applications:

- ▶ Radioactive lead solids (RLS)
- ▶ Circuit boards
- ▶ LLMW debris
- ▶ Lead batteries & shielding

Features:

- ▶ Approved by EPA for macroencapsulation
- ▶ Proprietary airtight closure system
- ▶ Approved for RLS
- ▶ Approved at NNSS & multiple other disposal sites



Advantages:

- ▶ Easy zipper closure system
- ▶ No grout, no welding, no control panels
- ▶ Load drums and boxes directly into MacroBag
- ▶ Custom sizes (30-Gallon Drum to Sealand Container)



NucPac[®]

IP-1 LSA AND SCO OVERPACKS

Our engineers develop your design requirements into practical products for shipments of any size or shape. PacTec's extensive variety of materials for custom covering systems and overpacks are tested and project-proven. Our turnaround time is the best in the industry. Making cost-effective, regulatory-compliant packaging for the safe transport of any Surface Contaminated Objects or Low Specific Activity materials is our top priority.



Applications:

- ▶ Surface Contaminated Objects (SCO)
- ▶ Low Specific Activity material (LSA)
- ▶ Irregular / large equipment
- ▶ Pressure vessels
- ▶ Overpack for out-of-compliance metal containers

Features:

- ▶ Durable industrial fabrics
- ▶ Industrial closure system
- ▶ Can incorporate a tamper indication device
- ▶ IP-1 certified with Certificate of Compliance



Advantages:

- ▶ Customized to fit
- ▶ Prompt manufacturing lead time
- ▶ Reduces worker exposure
- ▶ Regulatory compliant packaging



RailPac[®]

IP-1 TRAILCAR LINERS

The RailPac[®] ensures the safest transportation of contaminated waste materials with a form-fit design to keep the lining securely in place. Manufactured from your choice of extruded or woven polymeric fabrics, these IP-1 containers are designed for your railcar's exact specifications and custom sizes are always available. The proprietary zipper allows for quick and easy installation and closure, which can also include a tamper indication device to prevent unauthorized access.



Applications:

- ▶ Construction debris
- ▶ Contaminated soil
- ▶ Sludges
- ▶ Ash wastes and powders

Features:

- ▶ Proprietary zipper closure
- ▶ IP-1 certified
- ▶ Form-fit design
- ▶ Made of woven polyethylene to handle a variety of waste streams

Advantages:

- ▶ Installs in minutes
- ▶ Can incorporate a tamper indication device
- ▶ Proprietary closure method saves time and money
- ▶ Top cover keeps out rain and snow



TransPac®

IP-1 SPECIALIZED INDUSTRIAL CONTAINER WASTE BAGS

The TransPac® limits worker exposure, offers quick and easy installation, reduces clean-out costs, and requires minimal storage space. Customized options include multiple spouts, open-top, open-end, and our proprietary zipper closure. The standard TransPac® is constructed of woven polymeric fabric and can be designed to handle things like asbestos, high-heat waste, powders, construction debris, or hazardous materials.



Applications:

- ▶ Asbestos and Other Powders
- ▶ Odorous Materials
- ▶ High-Heat Applications
- ▶ Metal Shavings and Sludges
- ▶ Low Level Waste
- ▶ Pathogenic Waste

Features:

- ▶ Proprietary zipper closure
- ▶ May be lined for wet applications
- ▶ Spouted model can be loaded by gravity or vacuum-loaded systems
- ▶ Can incorporate a tamper indication device
- ▶ IP-1 Certified for Low Level Waste

Advantages:

- ▶ Easy installation
- ▶ Cost & labor savings
- ▶ Increased loading & unloading speed
- ▶ Helps in exposure reduction

Configurations:

We offer several proprietary designs to best meet your project guidelines. We also offer a vacuum-loaded design (pictured on the previous page).



**CIGAR
ZIPPER-TOP BAG**



BREAD BAG



CENTER-ZIP BAG



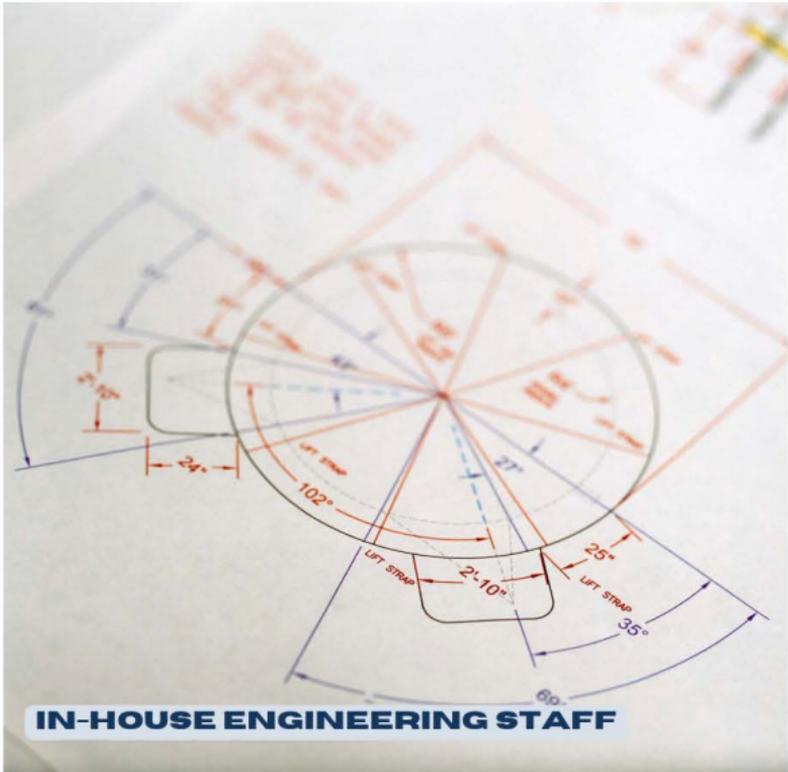
SPOUTED BAG

We Engineer Solutions

CELEBRATING 35 YEARS IN CUSTOM ENGINEERING

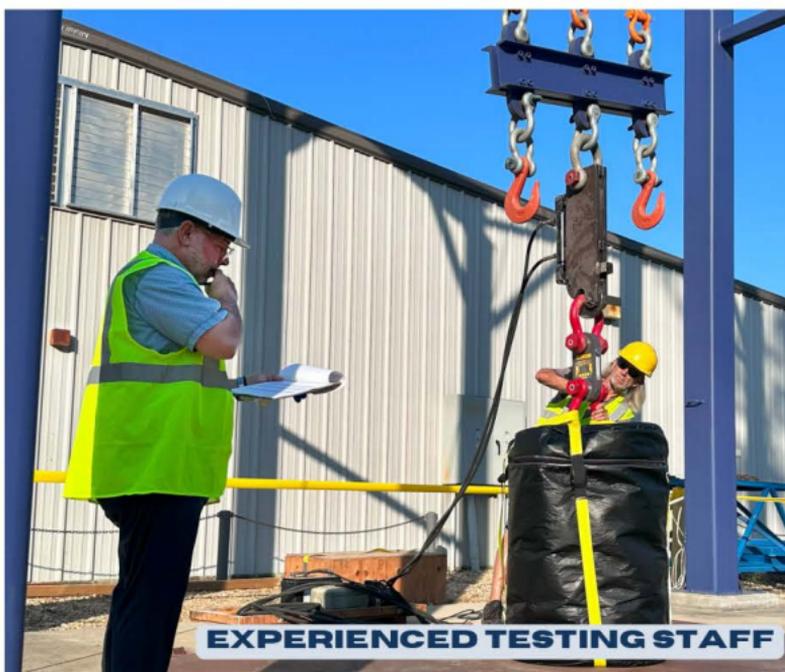
We maintain an in-house engineering and design team, as well as our own manufacturing and testing facilities.

We leverage this and our vast experience to quickly produce the solutions our customers need to maintain compliance and get the job done.





ON-CAMPUS PRODUCT TESTING FACILITY



EXPERIENCED TESTING STAFF



PROVEN BESPOKE DESIGNS



**WE MANUFACTURE PACKAGING.
WE ENGINEER SOLUTIONS.**



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**LOCATIONS IN NORTH AMERICA,
EUROPE, & ASIA**