



An Ingersoll Rand Business



BUILT FOR CLEANROOM PERFORMANCE

Pharma-Grade Liquid Handling Solutions

Pharma-grade plastic solutions play a critical role in improving safety, efficiency, and compliance in modern pharmaceutical and biopharmaceutical manufacturing. At ILC Dover, we combine flexible containment expertise with cleanroom-compatible systems, including liquid transport trolleys, tubing management solutions, and PUPSIT boards, to help customers move, organize, and control materials with confidence from containment through processing.

Designed for regulated environments, these solutions support 6S-driven workflows, reduce contamination risk, and enhance operational efficiency by improving liquid handling, tubing organization, and process standardization across cleanroom operations.

PRODUCT SOLUTIONS

Liquid Transport Trolley

Designed for safe, efficient liquid handling in cleanroom environments, these trolleys enable controlled transfers and improved process flow.



Key Features

- Available in 50L, 100L, and 200L standard configurations
- Removable dolly for simplified cleaning and maintenance
- Easy-clean batch card holder for improved documentation visibility
- Integrated twist locks to securely fix the base
- Hook lid design for controlled, clean opening
- Slanted base to support efficient liquid drainage and transfer
- Tubing hatch to enable contained liquid transfer



Customer Value

- Improves hygiene and cleanability
- Enhance process control during transfer
- Reduces manual handling risks

PUPSIT Board

A highly configurable process organization system designed to support PUPSIT and fluid management workflows with improved visibility and organization. Add-ons include tubing pinch clamps, bag hooks, Pendotech shelf, pump shelf, and process shadowboard schematics.



Key Features

- Customizable grid layout for flexible workflow configurations
- Strong magnetic mounting for secure component placement
- Modular add-ons to support process-specific needs



Customer Value

- Improves organization and standardization
- Enhances visual workflow management
- Supports audit readiness and process repeatability



Tubing Support Systems

A modular system designed to organize, protect, and manage tubing across cleanroom workflows.

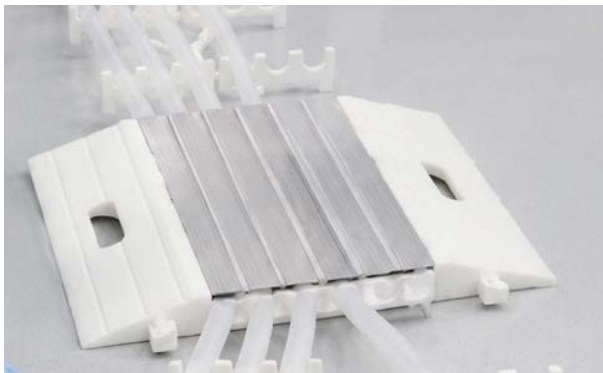


Tubing Hook Trolley

Built to meet the requirements of regulated diagnostic manufacturing:

- 10 mounting points with twist locks for secure tubing placement
- Swivel casters for easy mobility

Use Case: Organized staging and mobility of tubing sets near process areas



Hose Ramp

- Anti-slip surface to prevent movement
- Reinforced plate to withstand foot traffic
- Interlocking design to extend ramp length

Use Case: Safe routing of tubing across walkways while minimizing trip hazards



Tubing Track

- Accordion-style design for adjustable length
- Interlocking capability for extended configurations
- Flexible layouts to adapt to complex cleanroom setups

Use Case: Controlled, protected tubing pathways across dynamic environments

Why It Matters for Your Operations

These solutions go beyond individual products; they support end-to-end workflow optimization:

- Reduce contamination risk with non-porous, cleanable surfaces
- Improve operational efficiency and material flow
- Enable safer, single-operator handling
- Support GMP and cleanroom compliance
- Standardized processes across facilities

Together with ILC Dover's containment systems, they enable a seamless workflow from containment to transport without compromise.

Supporting 6S Cleanroom Workflows

Our plastic solutions are intentionally designed to support 6S methodology:

- **Sort:** Reduce unnecessary items
- **Set in Order:** Organize materials for efficient access
- **Shine:** Maintain cleanliness and hygiene
- **Standardize:** Ensure consistency across processes
- **Sustain:** Maintain improvements over time
- **Safety:** Protect operators and product

This approach helps drive more organized, efficient, and audit-ready cleanroom operations.



Your Process. Our Priority.

All product lines are manufactured using high-performance, pharma-grade materials designed for controlled environments:

- Smooth, white extruded high-density polyethylene (HDPE)
- Suitable for cleanroom applications
(USP Class VI and ISO 10993-5:2009 compliant)
- Non-porous and easy to clean
- Ease of cleaning: highly resistant to
sporicidal cleaners and isopropyl alcohol
- Chemical Resistance to acids and alkaline materials
- High impact resistance to help prevent damage

These characteristics support cleanability, durability, and regulatory compliance in demanding pharma and biopharma settings.

Ready to Dive in Together?

Scan the QR code to connect with the ILC Dover team and learn how pharma-grade liquid handling solutions can support cleaner, safer, and more efficient cleanroom workflows.



Scan the QR code to connect with
ILC Dover for ordering details.

Rapid turnaround available.



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