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**Laminar Flow Inc.**

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# ABOUT LAMINAR FLOW



**SINCE 1969 LAMINAR FLOW INC. HAS BEEN MANUFACTURING AND ENGINEERING QUALITY INNOVATIVE PRODUCTS FOR THE PHARMACEUTICAL, & BIOTECH INDUSTRIES.**

With over 50 years of engineering and manufacturing experience LFI has produced many standard and custom cleanroom systems to fulfill our clients' needs. LFI's philosophy has been to put our clients' needs and requests first in order to facilitate a successful project.

Our Ivyland manufacturing facility has over 45,000 square feet of state-of-the-art manufacturing and engineering equipment. Most of our business is generated from our clients specific requirements. We have the capability and experience to take your requirements from paper to a finished product constructed entirely of 316L or 304 stainless steel, in an efficient and cost effective manner.

LFI is a UL/cUL recognized 508a Facility.

## **WHY AWARD LAMINAR FLOW INC YOUR PROJECT?**

- ✓ 50 YEARS OF ENGINEERING AND MANUFACTURING EXPERIENCE WHILE OTHERS USE THIRD PARTY SOURCES.
- ✓ DIRECT HIRE QUALIFIED ELECTRICAL AND MECHANICAL ENGINEERS.
- ✓ ALL MANUFACTURING AND ELECTRICAL SYSTEMS DONE "IN HOUSE," NOT HIRED "PARTNERS" OR THIRD PARTY SOURCES.
- ✓ UL/CSA RECOGNIZED CONTROLS FACILITY 508A
- ✓ OWNER OPERATED FOR OVER 50 YEARS.
- ✓ FOR ALL OF YOUR LAMINAR FLOW AND CLEAN ROOM EQUIPMENT REQUIREMENTS LAMINAR FLOW INC IS THE INNOVATIVE LEADER.

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# PASS THRU



LFI Stainless Steel "Smart" Pass Thrus are designed to protect product when being passed through. Constructed of heavy gauge stainless steel to cGMP standards, these robust and "Smart" Pass Thrus are available in standard and custom sizes. LFI "Smart" Pass Thru with smart auto door utilizes an infrared adjustable sensor with wave technology. This is incorporated into the controller and automatically locks the opposite door. All LFI Pass Thrus with Auto Door adhere to ANSI A.156.10 Standards.

- ✓ PERSONNEL PASS-THRU
- ✓ WALL & FLOOR MOUNTED PASS-THRU
- ✓ CAROUSEL PASS-THRU
- ✓ ROLL UP PASS-THRU
- ✓ VHP COMPATIBLE STAINLESS STEEL PASS-THRU

## OPTIONAL:

- ✓ PLC
- ✓ ELECTRONIC OR MECHANICAL INTERLOCKS
- ✓ HEPA FILTRATION
- ✓ AUTO DOORS
- ✓ COVED CORNER CONTINUOUSLY WELDED
- ✓ ALL STAINLESS STEEL HARDWARE

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# DOWNFLOW BOOTHS



The LFI Downflow Booth is a self contained system providing the highest levels of operator protection from potentially harmful airborne contaminants generated during potent or non-potent manual powder/compound handling operations such as: weighing and sampling of raw materials, manufacture of tablets and capsules, packaging, charging and dispensing. Achieving low OELs without the need for supplementary protection, the booth also provides product protection from surrounding area contamination by creating a clean processing zone minimizing cross contamination risk from other products/processes.

- ✓ SAFE CHANGE HOUSINGS
- ✓ POTENT OR NON-POTENT
- ✓ ISO 5 AVAILABLE
- ✓ LED FLUSH LIGHTING

## OPTIONAL:

- ✓ PLC W/ HMI
- ✓ ENGINEERED & DESIGNED PER SPEC
- ✓ BACnet CONFIGURATIONS
- ✓ PASSTHRUS
- ✓ COOLING COILS
- ✓ CUSTOM CONFIGURATIONS

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# **SERIES 3000 LAMINAR FLOW CEILING SYSTEMS**



HMI TOUCHSCREEN INTERFACE PLC

Laminar Flow Inc. Series 3000 Module is designed to be installed in areas where a Classification of at least ISO 5 @ 0.3 microns must be achieved. The LFI Series 3000 is a self contained unit, available with many options including but not limited to: size, electrical configuration, and filter size.

- ✓ VERTICAL FLOW POWERED MODULE (MEETING UP TO ISO CLASS 4)
- ✓ SERIES 3000 CEILING GRID MODULES (DESIGNED FOR 100% CEILING COVERAGE)
- ✓ LFI WALKABLE STAINLESS STEEL ISO 5 CEILING SYSTEMS
- ✓ PLC-HMI-BACnet INTERFACE
- ✓ HMI TOUCHSCREEN INTERFACE PLC
- ✓ EC MOTOR CONFIGURATIONS
- ✓ BUILT IN RETURN PLENUMS FOR ROOM AIR & MAKE UP AIR

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# CLEAN ROOM FURNITURE



We have established a reputation since 1969 for providing high quality, practical and cost effective solutions for applications requiring both clean and aseptic environments. Our combined product lines run the full spectrum of equipment and furniture designs for the most demanding laboratory, sterile suite or clean room.

- ✓ GOWNING BENCHES
- ✓ GARMENT RACKS
- ✓ STAINLESS STEEL TABLES
- ✓ TABLE MOUNTED SHELVING
- ✓ SOLID TOP WORKTABLES
- ✓ STAINLESS STEEL TABLES
- ✓ LFI WORKCENTERS
- ✓ ENCLOSED BASE WORKTABLES
- ✓ MID SHELVES & UNDERSHELVES
- ✓ WALL SHELVING
- ✓ LFI WALL CABINETS
- ✓ LFI FLOW-THRU STORAGE CABINETS
- ✓ LFI COMBINATION GARMENT CABINETS
- ✓ LFI FILE CABINETS
- ✓ MOBILE DRAWER CABINETS
- ✓ UTILITY CARTS

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# TRANSPORT CARTS



LFI Transport Carts are designed to transport products in an ISO 4 or ISO 5 environment. All systems are built to client specification and are constructed of 304 or 316L stainless steel. All seams are welded internally utilizing panelized construction, welds ground smooth and polished. Heavy duty stainless steel casters, UL approved or listed controls, electropolishing or passivating available. All carts custom made to client requirements.

✓ SINGLE PASS TRANSPORT CARTS

✓ RECIRCULATING TRANSPORT CART

✓ NON-HEPA FILTERED / STATIC TRANSPORT CART

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# **VERTICAL LAMINAR FLOW SYSTEMS**



Laminar Flow Inc's Vertical Air Flow Systems are designed to be installed in areas where a Classification of at least ISO 5 at 0.3 microns must be achieved. LFI manufactures the most advanced Vertical Flow Workstations and Portable Cleanrooms in the industry. Vertical Laminar Flow Equipment Products are self contained units, available with many options including but not limited to size, electrical configuration, auto lifts. LFI utilizes all heavy gauge stainless steel construction, 304 or 3016L standard.





*Celebrating 50 Years of Innovative Quality Products.*

**Laminar Flow Inc.**

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