

# Multi-Axis Mast Lifts

Provide Lateral, Horizontal and Vertical Travel



- 3 Axis Ballscrew System
- Uses Pneumatic Power Source
- Conveniently Located Operator Controls
- High Production and Low Maintenance
- Full Reach X-Y-Z Axis (4<sup>th</sup> axis drop available)
- Provides Optimum Access to All Areas

**LPI**<sup>®</sup>  
LIFT SYSTEMS

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# STANDARD LP2 MULTI-AXIS MAST LIFT

## WHY BUY THIS LIFT?

- **3 Axis Ballscrew System**

Provides precise positioning and operator control.

- **Pneumatic Power Source**

Safer for use in heavy paint applications and other hazardous locations.

- **Conveniently Located Operator Controls**

X, Y and Z controls located in front of platform allow the operator to concentrate on the work process.

- **High Production and Low Maintenance**

Self-lubricating bushings and a minimum number of maintenance points.

- **Festooning System**

Provides effective means of routing utilities to operate platform.

- **Inline Filter/Regulator/Lubricator**

With moisture separator, ensures long life of all pneumatic components.

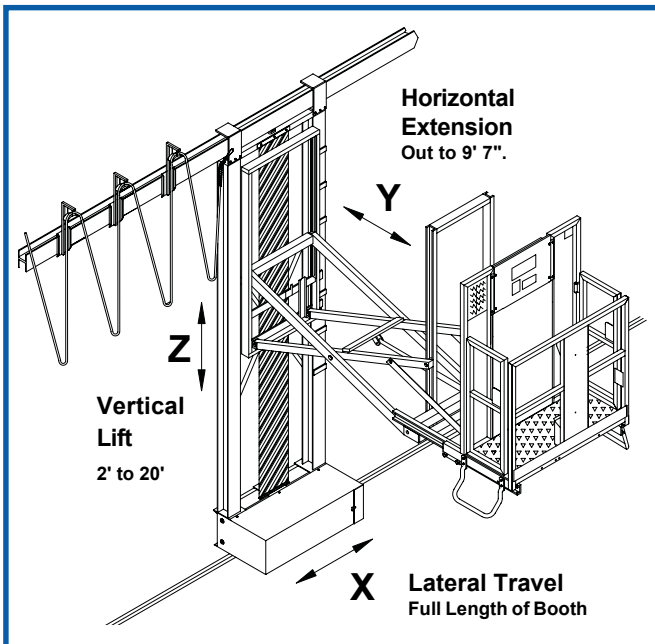
- **3 Axes of Motion**

X-Y-Z axes include lateral travel along rail system, horizontal extension and vertical lift.

(4<sup>th</sup> axis vertical drop available)

- **Provides Optimim Access to All Areas of Product**

**21" DEEP  
BY 48" WIDE  
STANDARD OPERATOR  
PLATFORM  
WITH 500 LB. CAPACITY**



### X-Axis

- Entire lift travels on two aluminum wheels.
- Upper rail serves as a support for a roller trolley festoon system.
- Rate of travel is variable up to over 40 FPM.

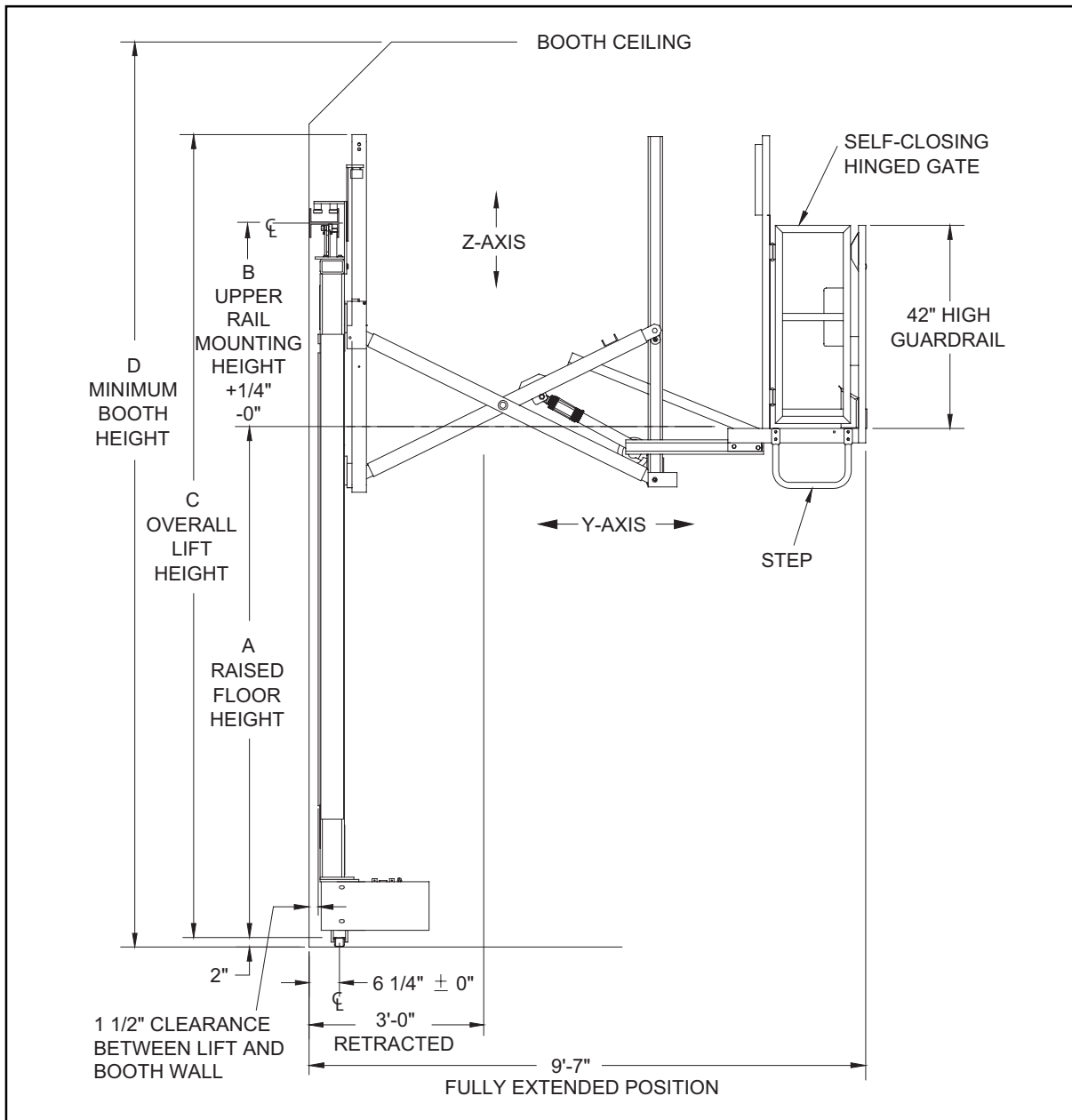
### Y-Axis

- Platform extends and retracts horizontally approximately 79". (9' - 7" reach when fully extended)
- Horizontal travel is approximately 15 FPM.

### Z-Axis

- Lowered platform height is approximately 2'. Raised platform height is available up to 20'.
- Vertical travel is approximately 15 FPM.
- Equipped with two independent safety systems.

# PRODUCT SPECIFICATIONS



Note: Model selected should not exceed the inside height of booth. For calculation take the raised floor height (Dimension A) of the lift plus an additional 7' for personnel.

## INSTALLATION KIT (1 Required Per Lift)

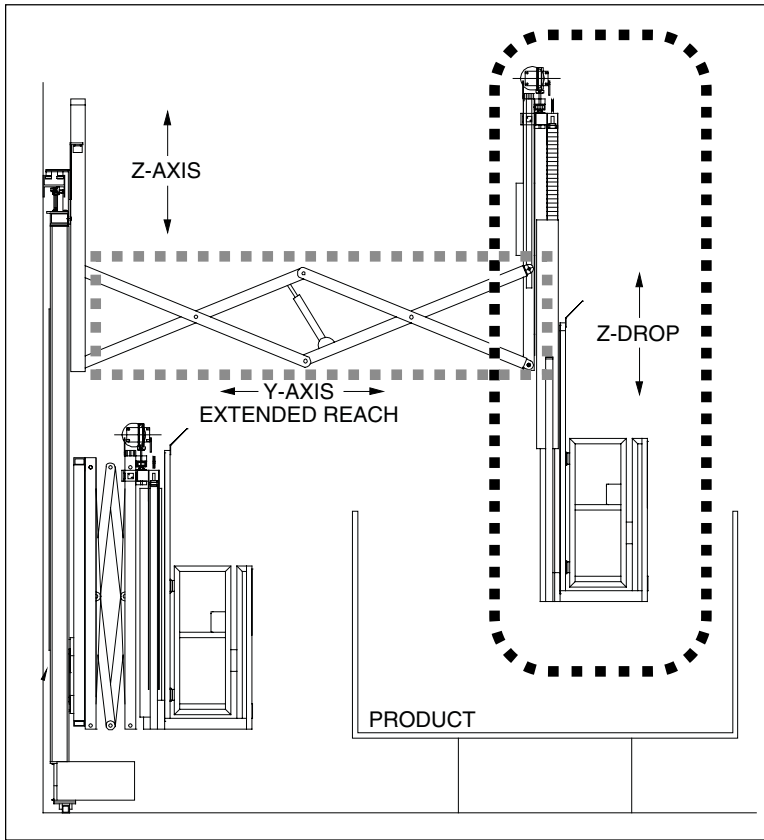
### Kit includes:

- Upper and lower rails for mounting lift to booth walls with lower rail stops, and all mounting hardware.
- Festooning system with trolleys, main air supply hose and hose support grip. Festooning trolleys are capable of carrying 2 additional lines, supplied by customer, up to 3/4" I.D. for breathing air and paint line or auxiliary air line for paint equipment.

	A	B	C	D
LP2-810	8'-0"	11'-3"	13'-3"	15'-0"
LP2-910	9'-0"	12'-3"	14'-3"	16'-0"
LP2-1010	10'-0"	13'-3"	15'-3"	17'-0"
LP2-1110	11'-0"	14'-3"	16'-3"	18'-0"
LP2-1210	12'-0"	15'-3"	17'-3"	19'-0"
LP2-1310	13'-0"	16'-3"	18'-3"	20'-0"
LP2-1410	14'-0"	17'-3"	19'-3"	21'-0"
LP2-1510	15'-0"	18'-3"	20'-3"	22'-0"
LP2-1610	16'-0"	19'-3"	21'-3"	23'-0"
LP2-1710	17'-0"	20'-3"	22'-3"	24'-0"
LP2-1810	18'-0"	21'-3"	23'-3"	25'-0"
LP2-1910	19'-0"	22'-3"	24'-3"	26'-0"
LP2-2010	20'-0"	23'-3"	25'-3"	27'-0"

Dimensions are from top of lower rail.

# OPTIONAL FEATURES



## MODEL LP3 BLAST LIFTS

Blast units are custom Multi-Axis Lifts designed for use in extreme environments to assist the operator in stripping or cleaning equipment in preparation for painting or refinishing. Blast units are sealed to prevent component part degradation, and prolong the life and performance of the equipment. (Consult factory for specifications)

## EXTENDED REACH OPTION

Extended Reach Y Axis ..... Consult Factory

- Units are equipped with a double scissor mechanism to provide up to 10 ft. 4 in. of travel for a maximum 14 ft. reach from booth wall. (See diagram).

## 4TH AXIS OPTION

4th Axis Inside Descent (Z-Drop) ..... Consult Factory

- This configuration allows for convenient painting of the inside of large products such as truck dump bodies or railroad cars. (See diagram).

## LP2 EQUIPMENT OPTIONS

Upper Rail Spacer Kits .....	201-0974-__
4x4 Overspray Cover .....	201-1024
Lower Rail Guides .....	201-0074
Auxiliary Flex Track .....	201-0075-__
Safety Contact Bumper System .....	202-0967
5 Gallon Paint Pot Kit .....	201-2350
Lower Rail Scraper Kit .....	201-2251
Receiver Step (left) .....	201-2256
Receiver Step (right) .....	201-2255
Structural Kit .....	Consult Factory

*Custom features available. Contact LPI for information and quotes for special projects.*

**For detailed specifications, request a quote or to view other LPI Lift System options, visit [www.lpi-inc.com](http://www.lpi-inc.com).**

LPI® Lift Systems, located in Eau Claire, Wisconsin, has been a recognized industry leader in manufacturing scissor lifts for over 20 years. The company has specialized in the design and manufacturing of a variety of 3 and 4 axis mast lifts. Other areas of expertise include: Manufacturing and engineering support, specializing in custom designed and manufactured work platforms to meet companies' specific needs, as well as a complete line of pneumatic, AC and DC operated scissor lifts. Contact LPI, Inc. for additional information on any of the products or services offered.

**Challenge us with your application!**

[www.lpi-inc.com](http://www.lpi-inc.com)

### Other Lift lines offered by LPI, Inc.:

- Scissor Lifts and Work Tables
- Rail Guided and Curved Rail Lift Systems
- Custom Lifts and Work Platforms
- Equipment Conversions



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