MULTI-AXIS MAST LIFTS

LP2: 3-Axis Standard and Extended Reach
BL: 3-Axis Blast Lifts
LP5: 3-Axis Lifts
LPCE: 3-Axis CE Marked Lifts
LPI, Inc. is a custom equipment manufacturer providing engineering services and manufacturing expertise in the design and construction of work platforms, fall protection, and personnel lifting equipment for a wide range of industrial applications and facility maintenance. LPI has been in business for over 30 years providing manufacturing and assembly support for customers in a variety of industries and custom applications.

LPI promotes a safe and ergonomic work environment which increases worker productivity.

LPI equipment meets applicable OSHA/ANSI standards.

• Made in USA •

Challenge us with your application!
www.lpi-inc.com
Multi-axis personnel lifts are designed to move in 3-Axis travel, (X, Y & Z). The three axis of movement are:

- **X-Axis:** The horizontal movement of the entire lift, lengthwise in a booth or along a structure.
- **Y-Axis:** The horizontal movement of the operator platform in and out from the back of the lift.
- **Z-Axis:** The vertical travel of the operator platform up and down on the lift mast.

The lift travels on a guide rail system with a lower rail anchored to the floor and an upper rail mounted to the wall of the booth or other structure. The lift is controlled by the operator from a control console located in the front of the platform. This allows the worker to face forward and observe the area as they move the lift. Properly maintained, LPI Lift Systems will provide many years of trouble free operation while increasing the safety and productivity of your workers.

- Models available for manufacturing areas ranging from wash, prep and paint, to metal blasting, welding and fabrication. Great for any area where ergonomic positioning and fall protection are needed.
- Combinations of pneumatic, hydraulic, mechanical or electric drives to fit your application.
- Standard lift models with working heights ranging from 6’ to 27’.
- Fully assembled lifts are ready to run upon delivery.
- Operator platforms can be configured to fit your process needs.
- Units are designed for high productivity environments and integration into manufacturing process areas.
- Lifts are designed to provide a safer working solution for working from heights by incorporating multiple safety devices on each lift system.
- Custom or modified lift systems can be designed and fabricated for areas where standard models may not be the solution.

Challenge us with your application!
MODEL LP2: 3-Axis Mast Lift System

LP2 lifts are designed to enhance the productivity and ergonomics for operators. The Pneumatically powered lifts are an ideal accessory in hazardous environments such as paint booths or wet locations like wash booths, but can be used in many other manufacturing process areas like welding, assembly or loading bays.

- Raised platform heights up to 22’
- Retracted dimension of 3’
- Extended dimension of 8’ or 10’ (per model)
- Operator platform capacity 500#
- Pneumatic/mechanical power unit
- Includes in-line Filter/Regulator/Lubricator
- Standard platform 48” wide x 21” deep
- Operator controls on front rail of platform
  - Hand controls for Y-Axis, Z-Axis, and emergency stop
  - Foot control for X-Axis
- Base control to raise and lower platform
- Auxiliary unoiled air connection in platform
- Self-closing/self latching entry gates
- 1 and 2 axis models available
- Lift requires a clean, dry air supply of 80 SCFM @ 100 PSI with a 40°F dew point

**Travel Speeds:**
- X-Axis variable up to 40 FPM
- Y-Axis 15 FPM
- Z-Axis 15 FPM

**Model LP2 Fully Extended Dimension 9'-7”**

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>LP2-610</td>
<td>6'-0&quot;</td>
<td>9'-3&quot;</td>
<td>11'-6&quot;</td>
<td>12'</td>
</tr>
<tr>
<td>LP2-710</td>
<td>7'-0&quot;</td>
<td>10'-3&quot;</td>
<td>12'-6&quot;</td>
<td>13'</td>
</tr>
<tr>
<td>LP2-810</td>
<td>8'-0&quot;</td>
<td>11'-3&quot;</td>
<td>13'-6&quot;</td>
<td>14'</td>
</tr>
<tr>
<td>LP2-910</td>
<td>9'-0&quot;</td>
<td>12'-3&quot;</td>
<td>14'-6&quot;</td>
<td>15'</td>
</tr>
<tr>
<td>LP2-1010</td>
<td>10'-0&quot;</td>
<td>13'-3&quot;</td>
<td>15'-6&quot;</td>
<td>16'</td>
</tr>
<tr>
<td>LP2-1110</td>
<td>11'-0&quot;</td>
<td>14'-3&quot;</td>
<td>16'-6&quot;</td>
<td>17'</td>
</tr>
<tr>
<td>LP2-1210</td>
<td>12'-0&quot;</td>
<td>15'-3&quot;</td>
<td>17'-6&quot;</td>
<td>18'</td>
</tr>
<tr>
<td>LP2-1310</td>
<td>13'-0&quot;</td>
<td>16'-3&quot;</td>
<td>18'-6&quot;</td>
<td>19'</td>
</tr>
<tr>
<td>LP2-1410</td>
<td>14'-0&quot;</td>
<td>17'-3&quot;</td>
<td>19'-6&quot;</td>
<td>20'</td>
</tr>
<tr>
<td>LP2-1510</td>
<td>15'-0&quot;</td>
<td>18'-3&quot;</td>
<td>20'-6&quot;</td>
<td>21'</td>
</tr>
<tr>
<td>LP2-1610</td>
<td>16'-0&quot;</td>
<td>19'-3&quot;</td>
<td>21'-6&quot;</td>
<td>22'</td>
</tr>
<tr>
<td>LP2-1710</td>
<td>17'-0&quot;</td>
<td>20'-3&quot;</td>
<td>22'-6&quot;</td>
<td>23'</td>
</tr>
<tr>
<td>LP2-1810</td>
<td>18'-0&quot;</td>
<td>21'-3&quot;</td>
<td>23'-6&quot;</td>
<td>24'</td>
</tr>
<tr>
<td>LP2-1910</td>
<td>19'-0&quot;</td>
<td>22'-3&quot;</td>
<td>24'-6&quot;</td>
<td>25'</td>
</tr>
<tr>
<td>LP2-2010</td>
<td>20'-0&quot;</td>
<td>23'-3&quot;</td>
<td>25'-6&quot;</td>
<td>26'</td>
</tr>
<tr>
<td>LP2-2110</td>
<td>21'-0&quot;</td>
<td>24'-3&quot;</td>
<td>26'-6&quot;</td>
<td>27'</td>
</tr>
<tr>
<td>LP2-2210</td>
<td>22'-0&quot;</td>
<td>25'-3&quot;</td>
<td>27'-6&quot;</td>
<td>28'</td>
</tr>
</tbody>
</table>

*Minimum Booth Height*

A: Raised Platform Height
B: Center-line of Upper Rail
C: Overall Lift Height
D: Minimum Booth Height

* Consult factory if booth has angle where wall and ceiling meet.
MODEL LP2: Extended Reach (Double Scissor) 3-Axis Lifts

Extended reach lifts are similar in design to the standard LP2 lift, but are designed for booths or bays that are wider than normal, to accommodate large products or multiple products at the same time. Extended reach design allows the front of the platform to reach up to 14' out from the booth wall.

- Raised platform heights up to 21'
- Retracted dimension of 3'-8"
- Extended dimension 14'
- Operator platform capacity 400#
- Pneumatic/mechanical power unit
- Includes in-line Filter/Regulator/Lubricator
- Standard platform 48” wide x 21” deep
- Operator controls on front rail of platform
  - Hand controls for Y-Axis, Z-Axis, and emergency stop
  - Foot control for X-Axis
- Base control to raise and lower platform
- Auxiliary unoiled air connection in platform
- Self-closing/self latching entry gates
- 1 and 2 axis models available
- Lift requires a clean, dry air supply of 80 SCFM @ 100 PSI with a 40°F dew point

Travel Speeds:
- X-Axis variable up to 40 FPM
- Y-Axis 15 FPM
- Z-Axis 15 FPM

<table>
<thead>
<tr>
<th>Model Code</th>
<th>Model Length</th>
<th>Upper Rail Centerline</th>
<th>Lift Height</th>
<th>Minimum Booth Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>LP2-614</td>
<td>6'-0&quot;</td>
<td>10'-3&quot;</td>
<td>11'-6&quot;</td>
<td>12'</td>
</tr>
<tr>
<td>LP2-714</td>
<td>7'-0&quot;</td>
<td>11'-3&quot;</td>
<td>12'-6&quot;</td>
<td>13'</td>
</tr>
<tr>
<td>LP2-814</td>
<td>8'-0&quot;</td>
<td>12'-3&quot;</td>
<td>13'-6&quot;</td>
<td>14'</td>
</tr>
<tr>
<td>LP2-914</td>
<td>9'-0&quot;</td>
<td>13'-3&quot;</td>
<td>14'-6&quot;</td>
<td>15'</td>
</tr>
<tr>
<td>LP2-1014</td>
<td>10'-0&quot;</td>
<td>14'-3&quot;</td>
<td>15'-6&quot;</td>
<td>16'</td>
</tr>
<tr>
<td>LP2-1114</td>
<td>11'-0&quot;</td>
<td>15'-3&quot;</td>
<td>16'-6&quot;</td>
<td>17'</td>
</tr>
<tr>
<td>LP2-1214</td>
<td>12'-0&quot;</td>
<td>16'-3&quot;</td>
<td>17'-6&quot;</td>
<td>18'</td>
</tr>
<tr>
<td>LP2-1314</td>
<td>13'-0&quot;</td>
<td>17'-3&quot;</td>
<td>18'-6&quot;</td>
<td>19'</td>
</tr>
<tr>
<td>LP2-1414</td>
<td>14'-0&quot;</td>
<td>18'-3&quot;</td>
<td>19'-6&quot;</td>
<td>20'</td>
</tr>
<tr>
<td>LP2-1514</td>
<td>15'-0&quot;</td>
<td>19'-3&quot;</td>
<td>20'-6&quot;</td>
<td>21'</td>
</tr>
<tr>
<td>LP2-1614</td>
<td>16'-0&quot;</td>
<td>20'-3&quot;</td>
<td>21'-6&quot;</td>
<td>22'</td>
</tr>
<tr>
<td>LP2-1714</td>
<td>17'-0&quot;</td>
<td>21'-3&quot;</td>
<td>22'-6&quot;</td>
<td>23'</td>
</tr>
<tr>
<td>LP2-1814</td>
<td>18'-0&quot;</td>
<td>22'-3&quot;</td>
<td>23'-6&quot;</td>
<td>24'</td>
</tr>
<tr>
<td>LP2-1914</td>
<td>19'-0&quot;</td>
<td>23'-3&quot;</td>
<td>24'-6&quot;</td>
<td>25'</td>
</tr>
<tr>
<td>LP2-2014</td>
<td>20'-0&quot;</td>
<td>24'-3&quot;</td>
<td>25'-6&quot;</td>
<td>26'</td>
</tr>
<tr>
<td>LP2-2114</td>
<td>21'-0&quot;</td>
<td>25'-3&quot;</td>
<td>26'-6&quot;</td>
<td>27'</td>
</tr>
</tbody>
</table>

Minimum Booth Height*

- A: Raised Platform Height
- B: Center-line of Upper Rail
- C: Overall Lift Height
- D: Minimum Booth Height

Lifts 16’+ have 80” wide base

* Consult factory if booth has an angle where wall and ceiling meet.
Multi-Axis Options

STANDARD LIFT OPTIONS:

1. **Contact Bumper**: Shuts down all lift motion if bumper comes in contact with an obstruction to prevent damage to product.

2. **Base Steps**: Used where the standard platform steps interfere with access over product. Required with Contact Bumper. Not shown.

3. **Lower Rail Scraper**: Cleans excess over-spray off lower rail (required in side-draft booths)

4. **Over-spray Filter Cover**: Installed on back of lift mast to decrease over-spray being pulled across mechanical drives.

5. **Paint Pot Carrier**: Designed to carry one 5 gallon paint pot. Attaches to the base of the lift and includes paint gun holder and two hose holders.

6. **Roller Mount Spacers**: Used to space lift out from the booth wall to provide clearance for filters or equipment. Designed to application. Not shown.

7. **Base Bumpers**: Hard rubber bumpers mounted on base of lift. Used when two lifts will operate on the same rail. Not shown.

8. **Front Gate in Platform**: Used when access from the front of the platform is needed. Not shown.

9. **Safety Harness Attachment Points**: Used in conjunction with front gate to allow for attachment of safety harness to operator Platform. Not shown.

10. **Auxiliary Flex Track**: 1” x 4” flexible track to carry breathing air and paint lines from top of mast, out to the operator platform.

11. **Lower Rail Guides**: Used when heavy paint build-up is anticipated or in wash booths. Guides lift travel on lower rail.
Multi-Axis Modifications

PLATFORM OPTIONS:

- Wider or deeper platform designs
- Location of operator controls in platform
- Wider platform entry gates
- Location of gates on platform
- Tip down front railing for product access
- Vertical Contact Bumpers
- Tool Trays
- Platform gate interlocks to secure gate when lift is raised or extended
- Interlocks to prevent lift from operating if platform gate is open
- Brackets and panels to mount regulators
- Removable platforms

ADDITIONAL DESIGN OPTIONS:

- Wet location components for lift
- Steel wheels for harsh chemical environments
- Component designs for use in high solids paint environments
- Design to span gap in upper rail where roll-up door is in center of booth
- Electrical drive units for non-hazardous environments
- Wider bases with platforms to accommodate process equipment like welders, panels and P-Mix units
- Incorporation of fluid handling and process equipment on lift platform
- Ground wire attachment points
- Custom tracks to route multiple lines from top of mast to operator platform
- Specialty paint types and colors
- Home position signal to provide pneumatic signal to process equipment. Ex: conveyor interlock
- Multiple platform entry step designs
- 1 and 2 axis models available

Above is a partial list of modifications that LPI can make to your lift to better fit your application. We will involve you in all aspects of the design process to find the best fit of features to address your specific process and needs.

Challenge us with your application!
MODEL BL: 3-Axis Blast Media / Blast Booth lifts

BL lifts are designed to withstand the harsh environment of grit, sand, and shot blast booths. Featuring sealed components and lift mast along with heavy duty components, the lifts can replace ladders providing increased safety and productivity. This design is also used for extended height applications for platform heights up to 27’.

- Raised platform heights up to 20’ with custom heights available
- Retracted dimension 4’-0”
- Extended dimension 9’-0”
- Operator platform capacity 500#
- Sealed mast construction
- Pneumatic/hydraulic power unit
- Platform 48” wide x 30” deep
- Operator controls on front rail of platform
- Hand controls for Y-Axis, Z-Axis, and emergency stop
- Foot control for X-Axis
- Base control to raise and lower platform
- Lift equipped with Filter/Regulator/Lubricator
- Self-closing/self latching entry gates
- 1 and 2 axis models available
- Lift requires a clean, dry air supply of 80 SCFM @ 100 PSI with a 40°F dew point

Travel Speeds:
- X-Axis variable up to 40 FPM
- Y-Axis 15 FPM
- Z-Axis 15 FPM

Extended reach model:
- Retracted dimension 4’-6”
- Extended dimension: 13’-4”
- Operator platform capacity: 400#

Minimum Booth Height*

A: Raised Platform Height
B: Center-line of Upper Rail
C: Overall Lift Height
D: Minimum Booth Height

Lifts 16’+ have 80” wide base Models up to 30’ available

* Consult factory if booth has angle where wall and ceiling meet.

Fully Extended Dimension 9’ (Y-Axis)
Extended Reach Model 13’-4” Fully Extended (Y-Axis)

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>BL-89</td>
<td>8’-0”</td>
<td>12’-11 1/4”</td>
<td>14’-6”</td>
<td>15’</td>
</tr>
<tr>
<td>BL-99</td>
<td>9’-0”</td>
<td>13’-11 1/4”</td>
<td>15’-6”</td>
<td>16’</td>
</tr>
<tr>
<td>BL-109</td>
<td>10’-0”</td>
<td>14’-11 1/4”</td>
<td>16’-6”</td>
<td>17’</td>
</tr>
<tr>
<td>BL-119</td>
<td>11’-0”</td>
<td>15’-11 1/4”</td>
<td>17’-6”</td>
<td>18’</td>
</tr>
<tr>
<td>BL-129</td>
<td>12’-0”</td>
<td>16’-11 1/4”</td>
<td>18’-6”</td>
<td>19’</td>
</tr>
<tr>
<td>BL-139</td>
<td>13’-0”</td>
<td>17’-11 1/4”</td>
<td>19’-6”</td>
<td>20’</td>
</tr>
<tr>
<td>BL-149</td>
<td>14’-0”</td>
<td>18’-11 1/4”</td>
<td>20’-6”</td>
<td>21’</td>
</tr>
<tr>
<td>BL-159</td>
<td>15’-0”</td>
<td>19’-11 1/4”</td>
<td>21’-6”</td>
<td>22’</td>
</tr>
<tr>
<td>BL-169</td>
<td>16’-0”</td>
<td>20’-11 1/4”</td>
<td>22’-6”</td>
<td>23’</td>
</tr>
<tr>
<td>BL-179</td>
<td>17’-0”</td>
<td>21’-11 1/4”</td>
<td>23’-6”</td>
<td>24’</td>
</tr>
<tr>
<td>BL-189</td>
<td>18’-0”</td>
<td>22’-11 1/4”</td>
<td>24’-6”</td>
<td>25’</td>
</tr>
<tr>
<td>BL-199</td>
<td>19’-0”</td>
<td>23’-11 1/4”</td>
<td>25’-6”</td>
<td>26’</td>
</tr>
<tr>
<td>BL-209</td>
<td>20’-0”</td>
<td>24’-11 1/4”</td>
<td>26’-6”</td>
<td>27’</td>
</tr>
</tbody>
</table>
MODEL BL: 4th Axis Inside Descent (Drop Axis)

Based on the Blast Lift design, this special lift system incorporates a feature that allows the operator platform to be lowered over the side of a structure to easily reach areas that would otherwise be difficult to access.

- Raised platform heights up to 20’ with custom heights available
- Retracted dimension 4’-5” with 36” deep platform
- Extended dimension 13’-0”
- Z-Drop axis travel 6’
- Operator platform capacity 350#
- Sealed mast construction
- Pneumatic/hydraulic power unit
- Contact bumper on bottom of operator platform
- Standard Platform 36” wide x 24” deep
- Extended dimension 13’-0”
- Z-Drop axis travel 6’
- Operator controls on front rail of platform
- Hand controls for Y-Axis, Z-Axis, Z-Drop, and emergency stop
- Foot control for X-Axis
- Base control to raise and lower platform
- Lift equipped with Filter/Regulator/Lubricator
- Self-closing/self latching entry gates
- Lift requires a clean, dry air supply of 80 SCFM @ 100 PSI with a 40°F dew point

Travel Speeds:
- X-Axis variable up to 40 FPM
- Y-Axis 15 FPM
- Z-Axis 15 FPM

---

<table>
<thead>
<tr>
<th>Model</th>
<th>Model</th>
<th>Minimum Booth Height*</th>
</tr>
</thead>
<tbody>
<tr>
<td>BL-813</td>
<td>8'-0&quot;</td>
<td>12'-11 1/4&quot;</td>
</tr>
<tr>
<td>BL-913</td>
<td>9'-0&quot;</td>
<td>13'-11 1/4&quot;</td>
</tr>
<tr>
<td>BL-1013</td>
<td>10'-0&quot;</td>
<td>14'-11 1/4&quot;</td>
</tr>
<tr>
<td>BL-1113</td>
<td>11'-0&quot;</td>
<td>15'-11 1/4&quot;</td>
</tr>
<tr>
<td>BL-1213</td>
<td>12'-0&quot;</td>
<td>16'-11 1/4&quot;</td>
</tr>
<tr>
<td>BL-1313</td>
<td>13'-0&quot;</td>
<td>17'-11 1/4&quot;</td>
</tr>
<tr>
<td>BL-1413</td>
<td>14'-0&quot;</td>
<td>18'-11 1/4&quot;</td>
</tr>
<tr>
<td>BL-1513</td>
<td>15'-0&quot;</td>
<td>19'-11 1/4&quot;</td>
</tr>
<tr>
<td>BL-1613</td>
<td>16'-0&quot;</td>
<td>20'-11 1/4&quot;</td>
</tr>
<tr>
<td>BL-1713</td>
<td>17'-0&quot;</td>
<td>21'-11 1/4&quot;</td>
</tr>
<tr>
<td>BL-1813</td>
<td>18'-0&quot;</td>
<td>22'-11 1/4&quot;</td>
</tr>
<tr>
<td>BL-1913</td>
<td>19'-0&quot;</td>
<td>23'-11 1/4&quot;</td>
</tr>
<tr>
<td>BL-2013</td>
<td>20'-0&quot;</td>
<td>24'-11 1/4&quot;</td>
</tr>
</tbody>
</table>

Lifts 16’+ have 80” wide base
Models up to 27’ available

* Consult factory if booth has angle where wall and ceiling meet.
MODEL LP5: 3-Axis Lifts

The LP5 Model lifts are designed for environments ranging from liquid paint or powder paint application and inspection areas to washing, preparation and assembly areas. With minor changes the LP5 Lift system is also suitable for wash or abrasive blast media booths.

- Raised platform height up to 16’
- Retracted dimension 3’-3”
- Extended dimension 6’-3”
- Operator platform capacity 350#
- Lighter weight design for booths with lighter structural construction
- Pneumatic/hydraulic power unit
- Standard Platform 36” wide x 23” deep
- Operator controls on front rail of platform
  - Hand controls for Y-Axis and Z-Axis
  - Foot control for X-Axis
- Base control to raise and lower platform
- Lift equipped with Filter/Regulator/Lubricator
- Auxiliary oiled air connection in platform
- Self-closing/self latching entry gates
- 1 and 2 axis models available
- Lift requires a clean, dry air supply of 50 SCFM @ 100 PSI with a 40°F dew point

Travel Speeds:
- X-Axis variable up to 120 FPM
- Y-Axis 20 FPM
- Z-Axis 15 FPM

### Model LP5

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>LP5-76</td>
<td>4’-6”</td>
<td>7’-0”</td>
<td>10’-11”</td>
<td>12’-1”</td>
<td>13’</td>
</tr>
<tr>
<td>LP5-86</td>
<td>5’-6”</td>
<td>8’-0”</td>
<td>11’-11”</td>
<td>13’-1”</td>
<td>14’</td>
</tr>
<tr>
<td>LP5-96</td>
<td>6’-6”</td>
<td>9’-0”</td>
<td>12’-11”</td>
<td>14’-1”</td>
<td>15’</td>
</tr>
<tr>
<td>LP5-106</td>
<td>7’-6”</td>
<td>10’-0”</td>
<td>13’-11”</td>
<td>15’-1”</td>
<td>16’</td>
</tr>
<tr>
<td>LP5-116</td>
<td>8’-6”</td>
<td>11’-0”</td>
<td>14’-11”</td>
<td>16’-1”</td>
<td>17’</td>
</tr>
<tr>
<td>LP5-126</td>
<td>9’-6”</td>
<td>12’-0”</td>
<td>15’-11”</td>
<td>17’-1”</td>
<td>18’</td>
</tr>
<tr>
<td>LP5-136</td>
<td>10’-6”</td>
<td>13’-0”</td>
<td>16’-11”</td>
<td>18’-1”</td>
<td>19’</td>
</tr>
<tr>
<td>LP5-146</td>
<td>11’-6”</td>
<td>14’-0”</td>
<td>17’-11”</td>
<td>19’-1”</td>
<td>20’</td>
</tr>
<tr>
<td>LP5-156</td>
<td>12’-6”</td>
<td>15’-0”</td>
<td>18’-11”</td>
<td>20’-1”</td>
<td>21’</td>
</tr>
<tr>
<td>LP5-166</td>
<td>13’-6”</td>
<td>16’-0”</td>
<td>19’-11”</td>
<td>21’-1”</td>
<td>22’</td>
</tr>
</tbody>
</table>

* Consult factory if booth has angle where wall and ceiling meet.
MODEL LPCE: 3-Axis Lifts

The Model LPCE Multi-axis lift system is a CE Marked personnel lift designed for use in paint application booths. For working from heights this system replaces ladders and ergonomically positions the operator to perform their work.

- Maximum raised platform height 5.5M
- Retracted platform dimension 1M
- Extended platform dimension 2.5M
- Operator platform capacity 202 Kg.
- Pneumatic motor & mechanical screw drives to raise and extend the operator platform provide smooth precise positioning.
- Consult LPI for equipment options
- Standard Platform 1M wide x 1M deep
- Operator controls on front rail of platform
  - Hand controls for Y-Axis, Z-Axis, and emergency stop.
  - Foot control for X-Axis
- Base control for Y-Axis, Z-Axis, and emergency stop
- Lift equipped with Filter/Regulator/Lubricator
- Auxiliary unoiled air connection in platform
- Self-closing/self latching entry gates
- Lift requires a clean, dry air supply with a flow rate of 1.4 CMM @ 7 bars with a dew point of < 4°C

Travel Speeds:
- X-Axis travel 0.4M/sec
- Y-Axis travel 0.08M/sec
- Z-Axis travel 0.07M/sec

<table>
<thead>
<tr>
<th>Model LPCEP</th>
<th>Fully Extended Reach 2.5M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>A</td>
</tr>
<tr>
<td>LPCEP-2025</td>
<td>2.0M</td>
</tr>
<tr>
<td>LPCEP-2525</td>
<td>2.5M</td>
</tr>
<tr>
<td>LPCEP-3025</td>
<td>3.0M</td>
</tr>
<tr>
<td>LPCEP-3525</td>
<td>3.5M</td>
</tr>
<tr>
<td>LPCEP-4025</td>
<td>4.0M</td>
</tr>
<tr>
<td>LPCEP-4525</td>
<td>4.5M</td>
</tr>
<tr>
<td>LPCEP-5025</td>
<td>5.0M</td>
</tr>
<tr>
<td>LPCEP-5525</td>
<td>5.5M</td>
</tr>
</tbody>
</table>

A: Raised Platform Height
B: Center-line of Upper Rail
C: Overall Lift Height
D: Minimum Booth Height

* Consult factory if booth has angle where wall and ceiling meet.
**INSTALLATION KITS FOR MULTI-AXIS MAST LIFTS**

**Standard Installation Kit includes:**

- W6 x 15# upper rail
- 2 x 2 x 1/4” tube lower rail pre-drilled for concrete anchors
- Concrete anchors and lower rail stops
- Festooning trolleys to carry main air line
- Main air line assembly including main air hose, NPT couplers, stain relief, and hose clamps

- Guide rails to run the full length of required lift travel.
- Lift moves the festooning system carrying the main air line (and auxiliary lines if present) along the guide rail as it travels along the guide rails.
- Upper rail mounting location determined by lift model and supported by booth or adequate structure.
- Lower rail supported by floor or adequate structure.

**Festooning (hose/line management) options:**

- Standard Festooning Trolley
- Std. Festooning Routing Blocks
- Flex Track Festooning with Track and Tray

**Guide Rail options:**

- Mounting plates for a bolted connection of the upper guide rail.
- Custom lower rail mounting options: anchor tabs or spacers to elevate rail for drainage.
- Optional bumper stops and rail stops.
- In floor guide slot or recessed channel for lower guide rail

**Support Structure kits:**

- Interior booth structure kit (structure located entirely inside booth/enclosure)
- Exterior booth structure kit (structure located entirely outside booth/enclosure)
- Freestanding structure kit (when no booth/enclosure is present)

***Custom design options available - Consult Factory***

LPI can offer a technician to assist with installation of our equipment. Contact LPI for more information.
Typical Applications

- Paint/Powder/Coating Application
- Blast Booth/Room (Stripping & Surface Prep)
- Welding/Fabrication / Assembly
- Wash/Rinse (Prep)
- Fall Protection/Safety/Ergonomics
- Maintenance/Inspection
- Material Handling>Loading Bays
- Clean Room

Common Industries Served

- Aircraft & Aerospace
- Agricultural & Construction Equipment
- Electrical Power and Distribution
- Light Rail and Bus Manufacturing/Maintenance
- Military Equipment
- Rail Car and Locomotive Manufacturing/Maintenance
- Rail Systems
- Transit Authorities
- Trucks and Recreational Vehicles
OTHER LPI PRODUCTS

Scissor Lifts
Stationary, Manually Positioned, and Powered Drive

Custom Design
Custom lift systems for specific applications

Material Handling
Custom Solutions to meet your material handling needs

CHALLENGE US WITH YOUR APPLICATION!
WWW.LPI-INC.COM
# APPLICATION WORKSHEET

- Photocopy and fax to LPI® at: 715-839-8647 -

## BOOTH INFORMATION

- **Application:** Retro-Fit ____ New ____
- **Inside dimensions of booth:**
  - Width ______ Height ______ Depth ______
- **Booth design:**
  - Down Draft ____ Cross Draft _____ Side Down Draft _____
  - Dry Filter ____ Water Wash _____ Cure Cycle _____
- *Ambient operating temperature range 60°F to 120°F.*
- **Does existing booth have hipped ceiling lighting:** _____Yes _____No
  - If yes, hip size & degree ____________________________
- **Does existing booth have corner chambers:** _____Yes _____No
  - If yes, size ____________________________
- **Does existing booth have structure:**
  - Yes, Inside_____ Yes, Outside_____ No____
  - Structure size: Vertical ________ Horizontal ________
  - Distance between vertical supports: ____________________________
- **Is booth floor concrete, grating, or combination:** ____________________________
- **Dimensions of concrete area from booth wall to grating:** ____________________________
- **Location and type of lights in booth:** ____________________________
- **Are lights inside access, outside access, or both:** ____________________________
- **Are there man doors in booth walls:** Yes _____ No _____
  - Where: End _____ Side _____

## OPERATION

- **Number of people doing process at one time:** ____________________________
- **Cycle time - how many units/hour:** ____________________________
- **Does operator need access to top of product:** Yes____ No _____
- **Does operator need access to ends of product:** Yes____ No _____
- **Does operator need breathing air:** Yes_____ No_____ 
- **How many paint lines/hoses involved:** ________
- **Size of hoses:** ____________________________
- **Type of paint system (i.e. HVIP, Electrostatic, etc.):** ____________________________
  - If blast, type of media used: ____________________________
  - If wash, type of chemical used: ____________________________
  - Any additional equipment in or on lift: ____________________________

## PRODUCT

- **Type of product:** ____________________________
- **Shape of product (i.e. square, cylinder, etc.):** ____________________________
- **Largest product:**
  - Width_______ Height ________ Depth ________
- **Smallest product:**
  - Width_______ Height ________ Depth ________
- **Is product on conveyor, track or monorail:** ____________________________
- **Location of this conveyor, etc. in booth:** ____________________________

## IMPORTANT:

Please attach existing booth print or pencil drawing.

---

**IMPORTANT:** Please attach existing booth print or pencil drawing.
Designed To Increase Productivity and Improve Personnel Safety

LPI, Inc.
Toll Free: 1-800-657-6956
Web: www.lpi-inc.com
E-mail: sales@lpi-inc.com

Paint Finishing
Manufacturing
Maintenance
Material Handling
Hazardous Locations
Custom Applications

LPI® promotes a safe and ergonomic work environment which increases worker productivity. Specifications may be changed subsequent to printing. No part of this information may be reproduced in whole or part without written permission.