

SOLUTIONS FOR INDUSTRIAL AND COMMERCIAL APPLICATIONS  
REQUIRING THE MOVEMENT OF PERSONNEL OR PRODUCTS



HOUSE OF DESIGN | HOME OF QUALITY



# Increase efficiency with

## Provide a Safer Work Environment

Titan Air has manufactured the highest quality air make up systems since 1983 and has carried over that commitment to excellence in the manufacturing of lift products.

Titan Lifts can become an essential element for companies to realize better efficiencies while at the same time creating a safer, more ergonomically friendly work environment.

### Safety Features

Titan Lifts are designed and manufactured to comply with ANSI standard 92.6 for "Self Propelled Elevating Work Platforms" and meet or exceed OSHA standards.

Titan Air has taken several precautions to make each Titan Lift as safe as possible:

- Emergency Stop
- Emergency Down
- Safety Lockout Valve
- Base Controls
- Spring Applied Disc Brake on Z-Axis Air Motor
- Mechanical Stops
- Ballscrew in tension versus compression

### Festooning System



The standard system consists of trolleys that roll along the top rail system and carry the main air supply hose. These trolleys can be made to also carry paint and/or breathable air lines if required.



A flexible track system or a hose reel system can be substituted for the trolley system if desired.

An overhead, track trolley system can also be substituted for applications that do not utilize an upper rail such as a scissor or platform lift.

### Lift Travel

Titan Lifts are typically ordered with either 2-axis or 3-axis travel. The lift travels on a square tube bottom rail and a wide flange beam upper rail. The lateral travel along the enclosure wall, or X-axis is at a variable rate of up to 40 feet per minute. The X-axis travel is achieved through the use of chain driven aluminum wheels powered by an air motor.



The vertical travel, or Z-axis, is achieved through the use of a hardened steel rotary ballscrew powered by an air motor. The rate of travel is 15 feet per minute.

A three-axis lift, in addition to X and Z travel, will extend away from the booth wall at a rate of 15 feet per minute. This Y-axis travel is achieved through the use of an air actuator and scissor mechanism that extends the basket away from the booth wall. A single scissor lift can be extended by an actuator to a distance of up to 8 feet. The addition of an optional rollout assembly will enable the basket to travel an additional 21 inches.

A double scissor lift will extend 12 feet 6 inches and up to 14 feet 3 inches with the added rollout assembly.



# Titan Lifts



**Emergency Stop Valve**  
This valve enables the operator to stop air flow to the axis controls.

**Mechanical Stops**  
The mechanical stops lock the basket to both vertical columns if the basket should suddenly drop.

**Filter-Regulator-Lubricator**  
Filters, regulates and lubricates the air supply to lift components.

**Safety Lockout Valve**  
Rotating the valve handle 90 degrees will shut off the air supply to the lift. This lockable valve will enable you to safely perform maintenance or repairs on the lift.

**Inward Swinging Doors**  
This safety feature will help keep the operator inside the basket.

**Bump Stop Control** *optional*  
When the front of the bumper contacts an object, the lift will stop. An override control in the basket allows the operator to move the basket away from the object.

**Paint Pot Carrier** *optional*  
A paint pot carrier can be attached to one side of the lift base. This carrier can be made to hold one or two, five gallon paint pots.

**Rail Scraper** *optional*  
Manually adjustable aluminum blocks are mounted on the lift base to help reduce the build up of debris on the lower rail system.

# Advanced 3-D Engineering Design

## State of the Art Design

Titan Air's engineering and design staff uses Autodesk® Inventor™ in the development of new products. The software confirms a complete design and offers an entirely functional model on screen. You can trust Titan's design team to recommend the most efficient, cost effective solutions for your company.



Scissor Lift

Standard 3 Axis Lift

## Custom Lifts are Available

Titan Air's personnel lifts are tailored for the finishing industry; however custom lifts for other applications are also available. Enhanced design capabilities provide Titan Air the tools to create a simple and safe method of positioning personnel or product for most applications.

## Pledge to Our Customers

Titan Air pledges to continue product improvements and offerings through the use of customer input and new technologies that become available. As a valued customer, Titan Air realizes that you have come to expect nothing less.

## Contact Titan Air

For complete information on our products and services, please contact Titan Air at:

13901 16th Street, PO Box 717

Osseo, WI 54758

Phone: 715.597.2050

Fax: 715.597.3620

Web: [www.titan-air.com](http://www.titan-air.com)

**Titan Air will be the best, build the best,  
employ the best, and lead the rest.**

