Advanced Server Handling Solutions

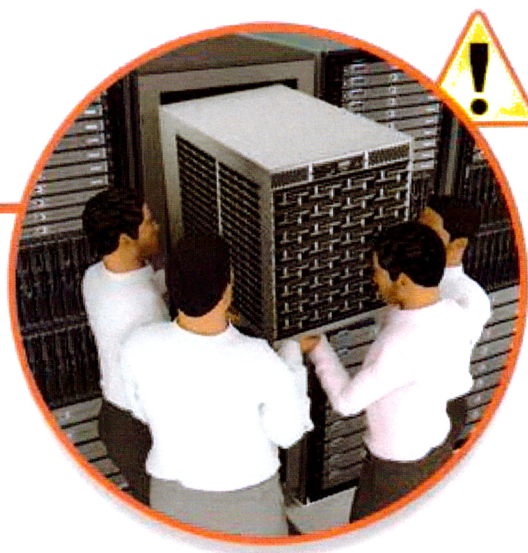## REDUCE RISK ▪ IMPROVE PRODUCTIVITY ▪ LOWER COST

Danger in Your Data Center

How many people does it take to install a switch?

→ Manually moving IT equipment increases risk of injuries and reduces efficiency.

Servers and other rack-mounted equipment can weigh **up to 800 lbs.** Many equipment manufacturers recommend using 2-4 people to install equipment. However, even with four people, lifting the equipment manually involves unnecessary risk. Further, the process often delays other critical data center tasks from being performed — presuming the help is available at the time.

Studies Show...

National Institute for Occupational Safety and Health (NIOSH):

"Back disorders are one of the leading causes of disability for people in their working years and afflict over 600,000 employees each year with a cost of about $50 billion annually."

U.S. Bureau of Labor

"...over 36% of injuries involving missed workdays were the result of shoulder and back injuries."

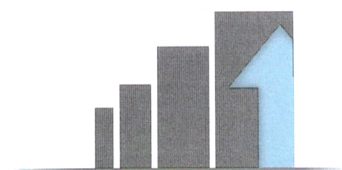"...lifting loads over 50 pounds will increase the risk of injury."

U.S. Occupational Administration (OSHA)

"Manual material handling is the principal source of compensable injuries in the American work force, and four out of five of these injuries will affect the lower back."

ℹ OSHA highly recommends "USING MECHANICAL MEANS" to avoid injury while lifting equipment heavier than 50 pounds.

There is Only One ServerLIFT

Only ServerLIFT products are designed specifically to move rack-mounted equipment such as servers, switches, and UPS's in the data center environment.

Data center employees are spending more time deploying servers and networking equipment each year. Today's networking switches, routers and blade servers weigh up to 800 lbs. With the use of specialized ServerLIFT solutions, server deployment can be done safely, rapidly, and efficiently.
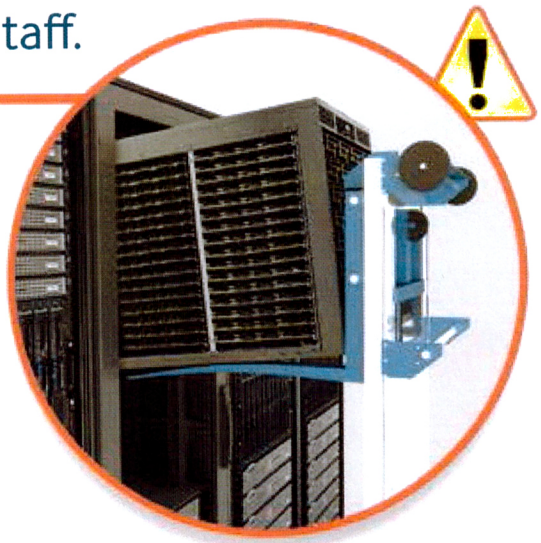
→ ServerLIFT solutions are an integral part of today's data center.

- Reduce risk of injury and equipment damage
- Improve employee morale
- Increase efficiency
- Lower operating costs
- Streamline server deployment

Don't risk the safety of valued IT staff.

→ **Warehouse lifts lack rigidity which makes alignment in racks difficult.**

Material handling lifts are designed to move boxes and warehouse materials in an open environment, without need for special care or precision. These general purpose lifts bend and twist under heavy loads, making alignment difficult and requiring significant manual handling. Using lifts not specifically designed for the data center poses a high risk of injury and equipment damage.
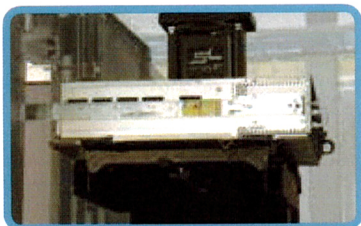
A Complete Solution for the Data Center
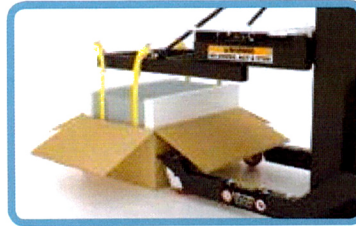
Safe Equipment Handling

Equipment Stability
Rigid shelf resists bending and flexing under full load for safe, handling & precise alignment.
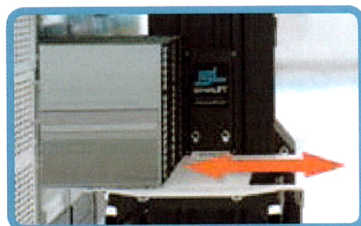
Overhead Safety
TouchSTOP™ safety feature stops mast on contact with overhead objects.

Safe & Easy Uncrating
LE-500X Lift Extension enables simple, fast removal from cartons and crates.

Precise Equipment Alignment

Smooth Installation
Easy-glide, side shifting shelf guides equipment smoothly into the rack for maximum control and easy positioning.
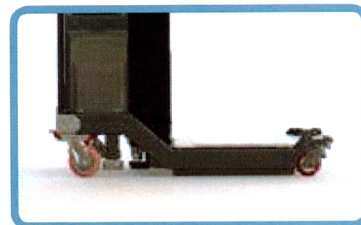
Fine Adjustments
Smart controls enable precise adjustments to any height. Lift a full load from bottom to top position in under 60 seconds.
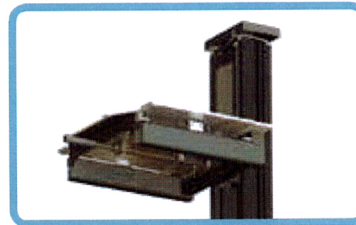
Stable Positioning
Dual-point stabilizer brakes add stability to resist tipping, sliding, and rotation during server handling.

Full Range Rack Access
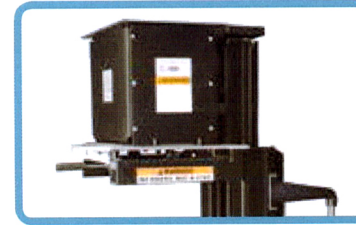
Bottom of Rack Access
Easily install servers at the bottom of the rack with a lowered platform height of 5.3" (13.5 cm).

Top Of Rack Access
Telescoping mast reaches top standard racks and higher, reaching a height of 8-9 ft. (2.4-2.7 m), depending on model.

Cold Aisle Containment
RL-500 Platform RISER enables access at top of racks in cold aisle containment areas and containers.

The New X-Series From ServerLIFT

The safe, effective, and efficient way to handle rack-mounted equipment

SL-1000X™
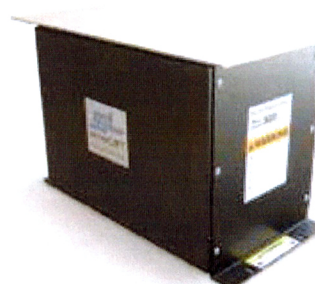Electric ServerLIFT

SL-350X™
Manual ServerLIFT

SL-500X™
Electric ServerLIFT

LE-500X™
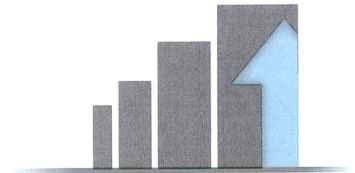Lift Extension

RL-500™
Platform Riser

"If it's not a ServerLIFT, it's a Liability"

ServerLIFT Corporation is the only provider of products designed specifically for handling rack mounted equipment in data center environments.

Avoid using rebranded low end warehouse lifts in your data center. Use the comparative matrix to see how the ServerLIFT product line stands alone as the complete solution for safe, effective and efficient handling of data center equipment.

ServerLIFT™ Exclusive	Critical Performance Features	SL-1000X™ Powered	SL-500X™ Powered	SL-350X™ Manual
	Lifting Capacity Solid construction for years of stable, sturdy performance.	**1000 lbs** (455 kg)	**500 lbs** (230 kg)	**350 lbs** (160 kg)
	Extended Platform Height Mast extends above standard racks, reaching 9 feet.	✓		
SL	**TouchSTOP™ Collision Sensor** Protects against damage of overhead equipment.	✓	✓	
SL	**SmartLIFT Control System** Microprocessor controlled lifting for precise alignment.	✓	✓	
	Full Range Rack Access Reaches the bottom level of racks and up to 8 feet.	✓	✓	✓
SL	**Side Loading** Load equipment into racks without turning the unit.	✓	✓	✓
	Fully Contained Critical components housed internally, preventing injury.	✓	✓	✓
SL	**Easy Glide Shelf** Platform extends 6 inches into rack for seamless installs.	✓	✓	✓
SL	**Easy Steer Handles** Maneuvers smoothly and securley for optimum control.	✓	✓	✓
	Heavy Duty Platform Resists deflection even under maximum load.	✓	✓	✓
	Slim Profile and Compact Design Designed specifically for data center's narrow aisles and sharp corners.	✓	✓	✓
SL	**4 Large Swivel Casters** Full 360 degree movement allows for easy turns and positioning.	✓	✓	✓
SL	**Equipment Tie Down Loops and Straps** Multiple anchor points for securing equipment.	✓	✓	✓
SL	**Stabilizing Brake System** Prevents movement or shifting of lift during install.	✓	✓	✓
	Satisfaction Guarantee 30-day, money back guarantee.	✓	✓	✓

Data Center Efficiency

→ ServerLIFT assisted installations can typically be done with fewer people and twice as fast, increasing efficiency 300% or more.

**INSTALLATION TIME
30:00 MIN.**

**Increase
efficiency by
300% or more**

**INSTALLATION TIME
15:00 MIN.**

Manual Lifting:
Unsafe and Outdated

ServerLIFT Method:
The *New* Standard

Cost Savings Analysis

→ Based on the number of employees and time required for a manual install, ServerLIFT can exponentially save money, while limiting costly downtime.

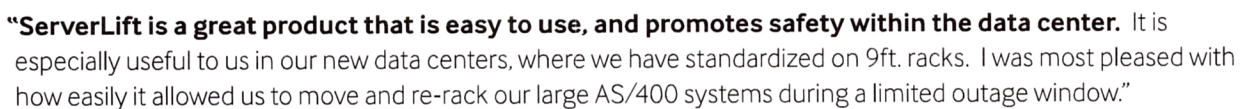| IT Equipment Moves per Month	Annual Savings
30	$6,300
50	$21,000
150	$105,000

* Average annual savings based on 2 salaried employees (70,000/year each) with an average time of 30 minutes to manually install rack-mounted equipment (75+ lbs.). The task can be done 50% faster with the help of a ServerLIFT SL-500X™.

Client Feedback

"We have a ServerLift and it's awesome. It can lift 500 lbs. without issue. Even the largest Cisco devices can be installed using it. Our facilities group uses it to pull motors from CRAC Units. It's well worth the investment."

— Dan Balitewicz, Senior Manager – Infrastructure Operations **Kellogg's**

"The ServerLift was of great benefit during the racking of our blade centers. With the use of the strap kit, one person was able to unbox and safely place the 300 pound device into a rack on the rails. The benefit of not having to remove all of the server blade and power supply components from the chassis to make it lighter, saved in time and potential damage."

— Ken Ward, Sr. Datacenter Engineer **Go Daddy.com**

"ServerLift is a great product that is easy to use, and promotes safety within the data center. It is especially useful to us in our new data centers, where we have standardized on 9ft. racks. I was most pleased with how easily it allowed us to move and re-rack our large AS/400 systems during a limited outage window."

— Brad Gibbs, Lead Data Center Support **Amway**

"We love our ServerLift here at NCCMedia. Most thought I was getting lazy for ordering it. Those ideas changed after we put it into use. I had one employee de-rack a full HP blade chassis by himself. That's over 400 pounds! Wonderful product and we show it off to visiting venders that sell us equipment that needs to be racked. We give it five stars out of five."

— David Smith, Director of Network Services **NCC media**

ServerLIFT Representative Customers

Technology	Government Agencies	Healthcare
IBM	NASA	Broad Institute
Cisco Systems	Federal Reserve System	Mayo Clinic
Hewlett-Packard	U.S. Dept. of Defense	Memorial Healthcare
Dell	U.S. Dept. of Energy	Centura Health
Intel	U.S. Dept. of Justice	Munson Healthcare
Time Warner Cable	Internal Revenue Service	Trinity Health
AT&T	City of Phoenix	VA Medical Center

Aerospace / Defense	Education	Financial
Boeing	Carnegie Mellon	American Express
Lockheed Martin	Harvard University	Bank of America
Northrop Grumman	Cornell University	CitiGroup
United Space Alliance	Rockefeller University	Countrywide Financial
General Dynamics	University of Arizona	Fidelity Investments
Harris Corporation	UC Berkeley	Fifth Third Bank
Kaman Corporation	MIT	JP Morgan Chase

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