

# MECHANICAL ASSIST

H I G H - D E N S I T Y M O B I L E S T O R A G E



# DESIGN FEATURES

## MOBILE CARRIAGE SYSTEMS

By mounting shelving units and storage cabinets on wheeled carriages that travel on rails, Spacesaver High-Density Mobile Storage Systems eliminate the need for multiple fixed aisles, freeing floor space for other more productive uses.

**Standard Carriage Length** Spacesaver Mechanical Assist carriages are available in standard lengths up to 45 feet (13.7m). Greater carriage lengths are possible, depending on system load factors.

**Load Carrying Capacity** Each carriage has a minimum load carrying capacity of 1,000 lb. (1,500 kg) per linear foot (meter). Your local Area Contractor can provide weight analyses and offer structural strategies to accommodate heavier system floor loads.

**Flexible Rail Layout** By adjusting rail size, spacing and orientation, floor loads can be optimally distributed at practical bearing points.

**Welded-Steel Uniframe Carriage** Spacesaver's welded-steel carriages ensure that all drive train components retain their alignment, eliminating binding, racking and misalignment of carriage and shelving. Their rigid, uniframe design has no exposed fasteners to loosen or break.

**Wheels And Rails** Carriage wheels and rails are fabricated and precision-machined for maximum strength and system life.

**Optional One-Piece Structural Rail System** Available one-piece rail systems have no butt joints or welds. Their tongue-and-groove design restricts lateral movement and provides greater structural rigidity.

**Fully-Grouted Rails** All rails are fully supported and grouted to evenly distribute system weight. They are not installed using shims, which can cause carriage rails to flex and the system to malfunction.

**Synchronized Drive System** A synchronized drive transmits power to both sides of the carriage, not just one, providing positive tracking – even with unbalanced loads. Not only are system stability and performance enhanced, wear is reduced. Line shaft drive is also available.

**Flexible Guidance Systems** To reduce friction and facilitate smoother tracking, Spacesaver carriages are available with a variety of guidance systems. Your local Area Contractor will help you select the system best suited for your application.

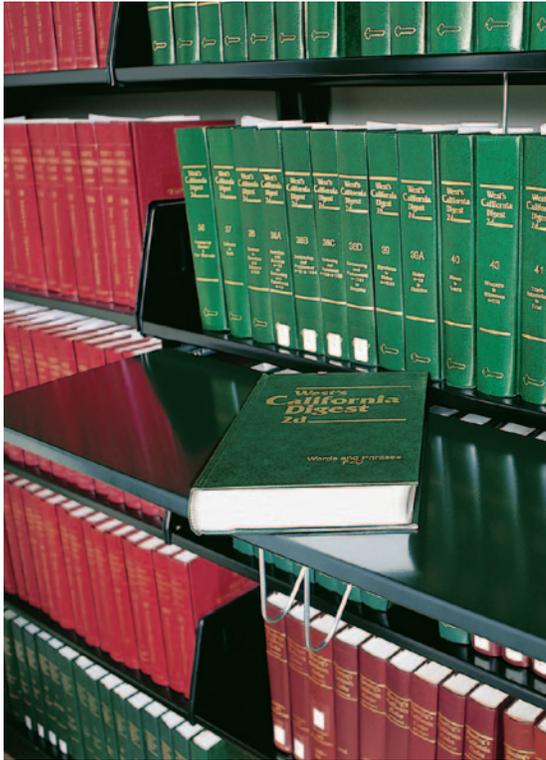
**Matched Drive Ratios** Spacesaver Mechanical Assist carriages can be equipped with a number of different drive ratios. By appropriately matching the system drive ratio to the load, operation becomes smooth and effortless. Very little force or exertion is needed to open an aisle.

**Chain Tensioner** To assure the smoothest possible operation, an integrated chain tensioner can be easily adjusted to fine-tune the carriage drive. This can be accomplished in seconds as a minor service adjustment, without disassembly of the system.

**Recessed Carriage/Welded Shelving Uprights** Spacesaver carriages are designed for maximum stability. Their welded steel uprights and recessed mounting of shelving and cabinets enhance the structural integrity of the system. Storage housings become an integral part of the carriage, ensuring that they won't shift position or lose their alignment.

**Anti-Tip Protection** Built-in anti-tip devices are engineered to comply with all seismic requirements, providing an extra measure of system stability and safety – even in areas prone to earthquakes.





## MOBILE CARRIAGE SYSTEMS (CONTINUED)

**Low Profile Rail Design** The low-profile design of Spacesaver rail systems is engineered to mount flush with the finished floor. To ensure a proper match with the rest of their environment, system decks and ramps can be covered with virtually any flooring material.

**ADA Compliant** To accommodate the personal limitations of individual users, Spacesaver Mechanical Assist Systems can be readily configured to comply with all ADA accessibility requirements.

## SYSTEM CONTROLS

**Soft-Touch Ergonomic Handles** Comfort and ease of operation are enhanced by our ergonomically designed, soft-touch rotating handles. A variety of optional handle colors are available to match any decor.

**Safety Locks** To enhance user safety, unwanted movement can be prevented by a standard safety lock control that has a bright visual indicator showing lock status. For additional safety, optional automatic locks are available which help prevent the system from being closed on an occupied aisle.

**Carriage Safety Sweep/Brake** To ensure maximum protection for users and materials being stored, Spacesaver Mechanical Assist systems can be equipped with an optional carriage safety sweep/brake.

**Controlled Access** Unauthorized access to any or all aisles can be prevented with optional hub locks which allow individual carriages to be key-locked in closed-aisle position as desired.

**Upgradable To Electric Operation** Spacesaver Mechanical Assist Systems can be designed for easy upgrading to electrically-controlled operation. In this way, special programmable features can also be added as your needs change.

## SHELVING AND CABINET OPTIONS

**Wide Choice Of Housings** Almost any type of storage housing can be mounted on Spacesaver mobile carriages, including your own existing shelving and cabinets.

**Unlimited Shelving Options/Storage Accessories** Beyond basic cabinetry, Spacesaver offers you a large assortment of shelving options and storage accessories designed to accommodate virtually anything you wish to store.

**Ability To Reconfigure/Expand System** As your storage needs change, Spacesaver shelving and cabinets can typically be reconfigured or expanded to accommodate them.

**Heavy-Duty Shelving Construction** For added strength, Spacesaver shelving and cabinets are fabricated using heavy-gauge, cold-rolled steel and extensively reinforced for increased rigidity, improving their ability to support greater shelf loads.

**Wide Array Of Design Options** A wide range of colors, finishes, and end-panel materials provides you with design options limited only by your imagination.

**Durable Paint Finishes** Spacesaver's powder-coat paint finishes are extremely durable, exceeding the stringent scuff, scratch and chip requirements of the American Library Association.

# MULTIPLE APPLICATIONS

## STORE VIRTUALLY ANYTHING, AND DO IT IN LESS FLOOR SPACE

**In many applications, Spacesaver High-Density Mobile Storage Systems are three times more space-efficient than conventional filing and shelving at half the cost.**

Regardless of their size, weight or shape, virtually any type and variety of materials can be stored using a Spacesaver High-Density Mobile Storage System. Not only that, they can be stored in less floor space, reducing your building lease and construction costs.

Spacesaver is the recognized leader in high-density mobile storage, with more installations than all other manufacturers combined. We have designed systems to fit almost every situation.

Spacesaver High-Density Mobile Storage Systems have been installed in offices, hospitals, banks, libraries, schools, museums, archives, factories, warehouses, laboratories, government agencies and military bases, as well as many other uniquely demanding environments.

Drawing on this vast experience, we provide each customer with a storage solution that is custom-configured to meet their specific needs. Having designed and installed more than 250,000 successful mobile systems for customers with a wide range of individual requirements, chances are we have already solved a storage problem similar to yours.

## ASK US FOR A PROFESSIONAL ASSESSMENT OF YOUR STORAGE NEEDS

**Spacesaver's team of experienced Area Contractors are proven problem solvers who can make an invaluable contribution to your planning process. For a qualified professional assessment of your storage needs, don't hesitate to give us a call at 1-800-492-3434. There is no cost or obligation.**





# THE **BOTTOM-LINE** QUESTION

## WHY SPACESAVER?

As our ISO 9001 certification would suggest, Spacesaver is dedicated to the highest standards of product quality. Equally important is our commitment to customer service, both before the sale and after.

Through our extensive network of local Area Contractors, Spacesaver provides a level of experience and competency that others simply do not. From architectural constraints and building codes to system design and floor-loading, we have the expertise to handle every issue and customer concern.

A storage solution that meets your unique criteria. Single-source turn-key project management. Certified system installation. Ongoing maintenance and support. Spacesaver sets a standard of professionalism, performance and responsiveness that is unmatched. We live up to our customer commitments and have the references to prove it.

You can rely on The Spacesaver Group.



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