High-Density Mobile Storage

Storage Solved®

Aisle Lighting For user safety and convenience, Spacesaver Powered Systems can be equipped with overhead lighting that can be automatically programmed to turn on when a person enters an aisle and turn off when that person leaves.

Ease Of Operation Opening an aisle is as convenient as pushing a large, easily accessible button. Pressing the system stop button on the control panel of any range will immediately halt the travel of all moving carriages.

TouchPad Control Optional TouchPad Control provides secure, PIN-controlled access to aisles containing proprietary materials.

Passive Safety Systems For passive safety and protection, Spacesaver Powered Systems can be equipped with optional infrared and other sensors designed to automatically arrest carriage movement when a person or object is detected in an open aisle.

Carriage Safety Sweep All Spacesaver Powered Systems are equipped with standard in-aisle safety sweeps that will immediately halt carriage movement when a floor-based obstruction is contacted.

Recessed Carriage Design Recessed mounting of shelving and cabinets enhances the structural rigidity of the system.

Wide Choice Of Housings Almost any type of storage housing can be mounted on Spacesaver mobile carriages. A broad array of multi-media storage accessories are also available.

Operational Flexibilty Optional PC Diagnostic capabilities offer fast and convenient reprogramming as the user's needs change.

Aesthetic Flexibility On request, Spacesaver will customize its system end panels to create a look that is functional, aesthetically pleasing, and at the same time, one that directly complements the unique environment the project design team is striving to create.

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 Powered System carriages are available in standard lengths up to 81 feet (24.6m). 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 fasteners to loosen or break.

☐ **Hardened Steel Wheels And Rails** Carriage wheels and rails are fabricated out of hardened steel and precision-machined for maximum strength and system life.

☐ **One-Piece Structural Rail System** Spacesaver's 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.

☐ **Controlled Acceleration & Dynamic Braking** DC motors on each carriage drive the system and provide controlled acceleration and deceleration to safeguard stored media. They also provide dynamic braking to stop a moving carriage when a safety feature is activated.

☐ **Recessed Carriage/Welded Shelving Uprights** Spacesaver carriages are designed for maximum stability. 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 can be engineered to comply with the requirements of all seismic zones, providing an extra measure of system stability and safety – even in areas prone to earthquakes.

☐ **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 Powered Systems can be readily configured to comply with all ADA accessibility requirements with regard to control height, aisle width, and ramping.
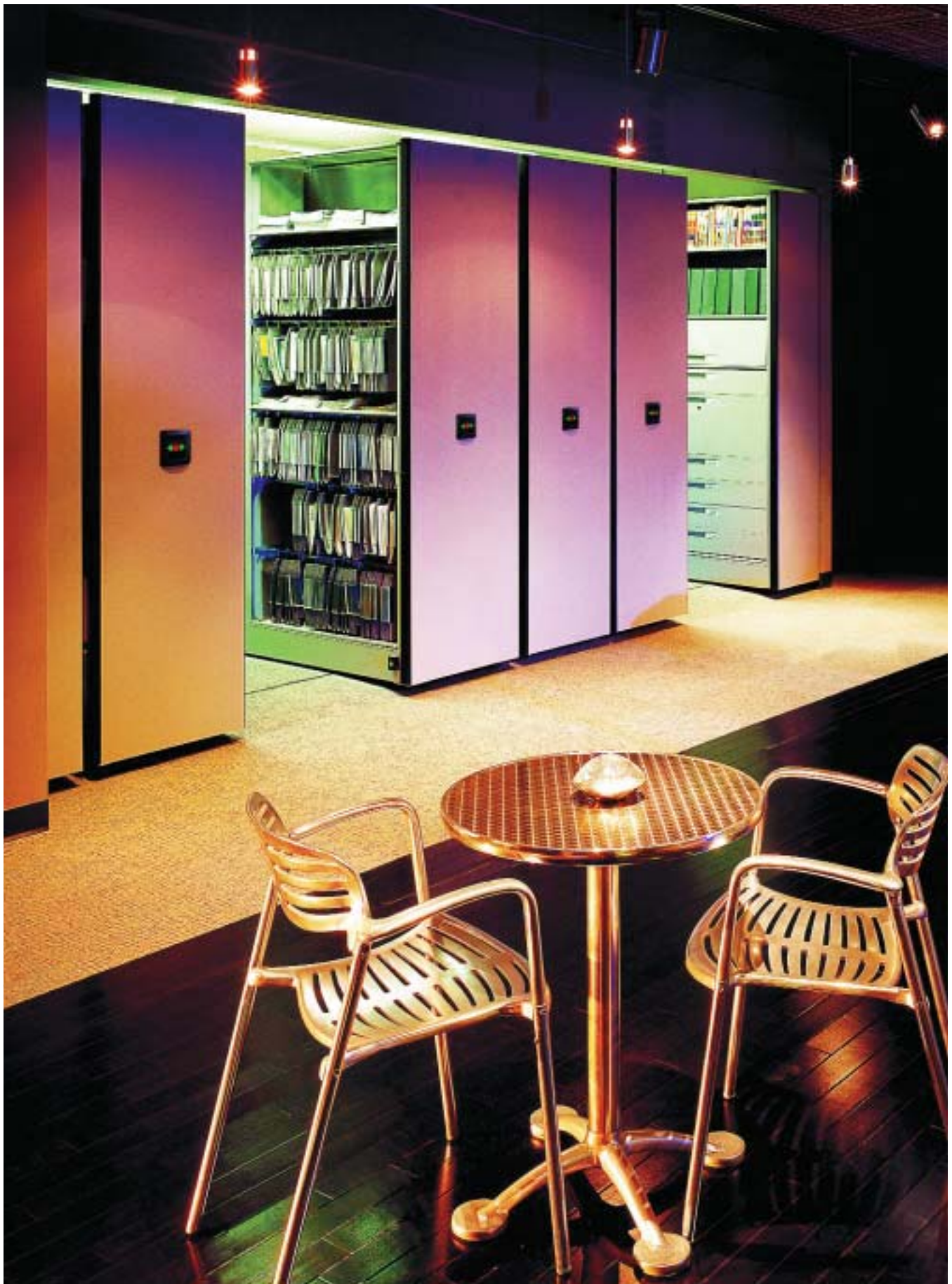
SYSTEM CONTROLS

SAFETY FEATURES

☐ **Safety Locks** To enhance user safety, lighted indicators on the control heads of each range alert users to the system's status, signalling when a person or object is in an open aisle. For a user to move the system's carriages, they must first check the open aisle, then press the reset button adjacent to that aisle. The system will not automatically reset until the aisle has been cleared.

☐ **Carriage Safety Sweep** To ensure maximum protection for users and materials being stored, Spacesaver Powered Systems are equipped with carriage safety sweeps which will stop carriage travel when a person or object is contacted.

☐ **Zero Force Sensor**™ Utilizing infrared photoelectric beams, Spacesaver's optional Zero Force Sensor™ system detects when a person or object is present in an open aisle and automatically lock-outs carriage movement.

☐ **Safety Floors** Also available are safety floors which detect the presence of a person or object, automatically locking out carriage movement.

☐ **Closed-Loop Control Design** In the event of component failure, redundant closed-loop control design ensures that carriages will not move.

PROGRAMMABLE OPTIONS

Spacesaver Powered Systems are designed for easy upgrading. Special programmable features can be added as your needs change.

☐ **Controlled Access** Unauthorized access to any or all aisles can be prevented with optional locks which allow individual carriages to be key-locked in closed-aisle position as desired. The system can also be programmed to automatically close and lock itself, preventing unauthorized access to its contents.

☐ **Automatic Reset** The system can be programmed to automatically reset once an aisle is opened. No separate function is necessary to reset it unless you would prefer to have that capability programmed in.

UNIVERSAL CONTROL HEAD

MECHANICAL SAFETY SWEEP

PHOTOSWEEP

ZERO FORCE SENSOR

☐ **Priority (Default) Aisle Access** The system can also be programmed to automatically open to the most frequently used aisle after it has been inactive for a predetermined period of time.

☐ **Automatic Aisle Closing** The system can be programmed to automatically close all aisles during periods of inactivity to limit potential fire damage, as well as penetration of light, environmental dust and debris.

☐ **Access To Multiple Aisles** The system can be programmed to open more than one aisle at a time.

☐ **Interval Programming** Ranges can be programmed to open automatically at selectable time intervals to allow even spacing for each aisle and air circulation in and around stored materials.

☐ **Linkage To Building Fire Protection Systems** Stored materials can be protected from fire by electronically linking system controls to the building's fire alarm or sprinkler system.

☐ **Lighting System Interface** Energy consumption can be reduced by interfacing with the room's lighting system. Ceiling lights can be programmed to automatically turn on when a person enters an aisle and shut off when that person leaves.

☐ **Remote Controlled Operation** Remote controls enable the system to be opened, stopped or reset from a distance.

☐ **Battery Pack Override** In case of power failure, a battery pack override can be used to operate the system.

☐ **Sequential And Block Movement Options** Choose between two movement options. Sequential movement reduces system start-up amperage draw and protects system contents. Block movement provides faster aisle access.

CONTROL DESIGN

☐ **Approved System Specifications** Spacesaver Powered Systems are UL system listed, CSA approved, and adaptable to meet all applicable local building codes and OSHA requirements.

☐ **State-Of-The-Art Reliability** All system controls are state-of-the-art reliable, microprocessor-based and life-cycle tested. For added dependability, torride filters help keep communication lines clean, protecting system electronics from interference and damage from external electro-magnetic fields.

☐ **Remote Programmability** System controls are designed for fast, convenient servicing, as well as off-site programming. Both on-board and remote telephone (modem) diagnostic interface capability ensures maximum reliability and up-time.
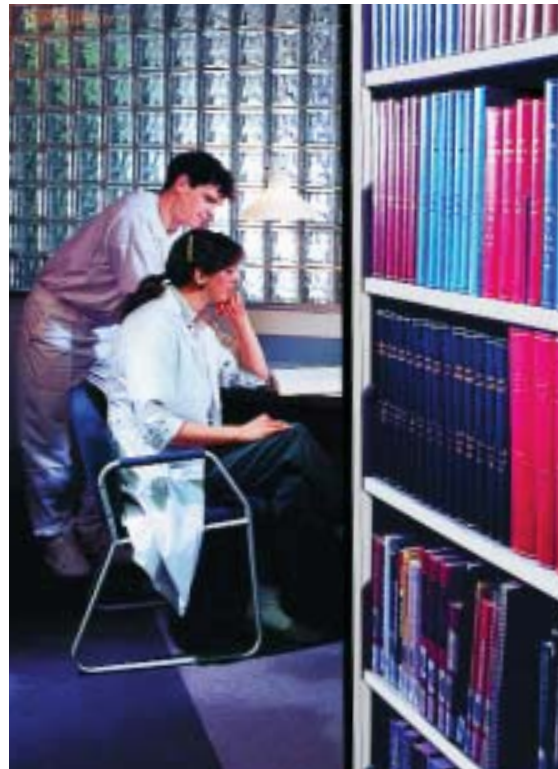
Design Features

SHELVING AND CABINETS

☐ **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 case-type, four-post and cantilever shelving options, as well as drawers, bins, trays, lateral files, doors, industrial rack shelving and a broad range of storage accessories. They can be 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.

SPACESAVER POWERED SYSTEMS

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 85,000 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, give us a call at 1-800-492-3434. There is no cost or obligation.

SOUTHWEST**SOLUTIONS**GROUP
business organization systems