



Swiss Instruments Limited.
Call: (905) 279-1275
Visit: www.swissinstruments.com



STAK SYSTEM® ADJUSTABLE RACKING



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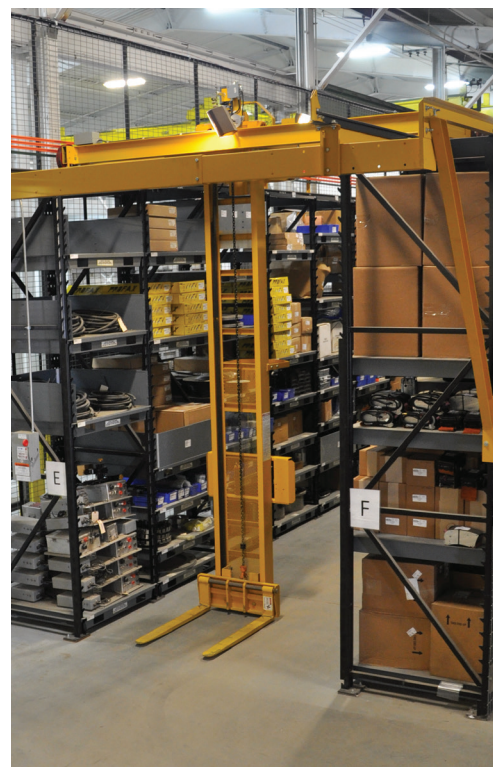


DYNAMIC PALLET-BASED STORAGE AND HANDLING SYSTEM

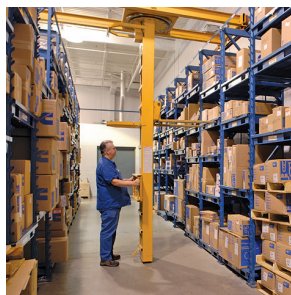
**STORE OR RETRIEVE LOADS MORE QUICKLY –
REGARDLESS OF SIZE, SHAPE, OR WEIGHT!**

- **Space Savings** – Squeeze wasted air out of your vertical storage and make use of every cubic foot! Free up floor space for other uses.
- **Value** – Maximize the use of your cubic space, and get more productivity from your entire facility.
- **Manpower Efficiency** – Retrieve items weighing up to 2 tons with just one person.
- **Ergonomic Safety** – Lifting and handling device is engineered for maximum ease of use.
- Ease of retrieval and inventory control – Stored items are easily located, positioned and repositioned.
- **Precise Load Positioning** – Pallets are positioned in the STAK System® at vertical increments of 4", so items can be stored exactly where you want them, on the fly.
- **Reduced Use of Fork Trucks** – Fewer fork trucks means greater savings, greater safety on your shop floor and less wear and tear to floor. Operation of the STAK System® lifting and handling device doesn't require certification.
- **Product Protection and Security** – Store large items on safe, protected pallets, off the floor.
- Ideal for work-in-process, maintenance, tooling and fixturing, and supply and distribution.
- Available as 2K STAK System® (2,000-lb. capacity), 4K STAK System (4,000-lb. capacity), or HazMat STAK System® (2,000-lb. capacity). Consult factory for capacities above 4,000 lbs., extended height systems, or oversized pallets.

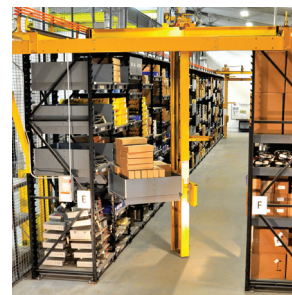
The STAK System® is designed to be easily expanded incrementally as your storage needs grow. And with along list of available accessories, your STAK System® can be designed to your facility's exact requirements. For more information or a free site analysis, visit www.staksystem.com.



Store a wide range of items of varying sizes, shapes and heights, with a minimum of wasted space!



Aisle space requirements are narrower than those required when using a conventional forklift.



The system can be configured in a number of ways, and can incorporate mid-aisle access. See page 15 for more.

THE STAK SYSTEM® IS LOADED WITH FEATURES TO SAVE SPACE AND MAXIMIZE PRODUCTIVITY.



The STAK System® is fully modular. Rack capacity is 25,000 lbs. per section and 50,000 lbs. per bay. (seismic zones 1 and 2).



Add on bays to allow your STAK System to grow as you grow. You can even add sections of mixed widths in the same system!



Loaded pallets are easily extracted and positioned.



Pallets are placed in vertical increments of 4", so items can be stored just where you want them, and are positioned via a positive engagement system.



Easy-to-learn and easy-to-use controls don't require license or certification.



Mast hovers over floor for ease of use on uneven surfaces.



Unique handling device is completely ergonomic, which makes removing even large loads easy.



Pallets are removed and replaced by guiding the mast to the new position. Handling device maneuvers on four axes, creating total 360° flexibility.



Simple, intuitive positioning enables the operator to relocate a pallet quickly, accurately and safely.

STAK System®: Applications



WHETHER YOU NEED IT FOR MOTORS, PUMPS, DIES AND FIXTURES, MOLDS, BARRELS, OR WORK-IN-PROCESS, THE STAK SYSTEM® CAN BE CONVENIENTLY POSITIONED IN A CENTRAL LOCATION, WHERE IT'S NEEDED MOST.

WORK-IN-PROCESS/BUFFER STORAGE

The STAK System® helps reduce work cycle time by locating work in-process close to the next station. Component damage is also minimized, since parts are kept off the plant floor. As a result, the STAK System® boosts operator and departmental productivity.



Work-in-process / Buffer Storage

MAINTENANCE AND MRO

The STAK System® is ideal for bulky spare parts, motors, valves and pumps, making these hard-to-handle maintenance items easily accessible and organized. A single operator can locate and retrieve critical inventory, helping reduce production interruptions. In addition, the STAK System® eliminates disposal problems posed by oil-soaked wooden pallets.

PLASTIC INJECTION MOLDING & TOOL & DIE STORAGE

The STAK System's® hefty weight capacity makes it a natural for the storage of tools, dies and plastic injection molds, bringing much-needed organization, efficiency, and expediency to the storage of these expensive items. With the STAK System®, your entire inventory is visible and reachable at all times, reducing downtime.



The STAK System® is ideal for storing motors, valves and pumps.



The STAK System is ideal for a number of applications, including:

- Manufacturing
- Agriculture
- Heavy equipment
- MRO/Maintenance
- Transportation
- Warehouse
- Utilities
- Government



4K STAK SYSTEM®

- The ultimate single-operator storage solution, 4K STAK System® is designed for the storage of larger and heavier items (up to 4,000 lbs.).
- From one convenient operator's position, 4K STAK System® keeps hard-to-handle items accessible and organized.
- Same main elements as 2K STAK System®, with all directional movements fully motorized.

4K Operator's Cab: Ergonomically designed, operator's cab has all controls on board and provides clear sight lines. Safety is further enhanced by platform control pedal, protective canopy, hand guards, and cab back.

4K Controls: Two types of control stations are available for operation, a cage or a walk-behind with detachable controls. Cage pendant controls direct movement on all four axes and are mounted on the mast. Walk-behind allows operator to stand off to the side to increase visibility. For safety, control pendant has a removable key switch and e-stop emergency button.



4K STAK System in use



4K Pallet And Hook
Design creates additional load support.



4K Operator's Cab



Hazmat STAK System®

Designed specifically for the storage, staging, and retrieval of 55-gallon hazardous material drums, the HazMat STAK System® gets your drums off the floor and into their own dedicated storage system – without having to use a forklift.

Every detail of the **HazMat STAK System®** is designed for safety and ergonomic operation, from its pneumatic operation to its bright yellow color. Drums are stored one deep, so they're always visible and potential problems can be easily detected.

The **HazMat STAK System®** can efficiently manage loads up to 2,000 lbs. with pallets specifically designed to allow sprinkler system water to flow through the pallets (must specify flow-through pallet – see page 8). All **HazMat STAK System®** storage units carry factory mutual system approval.

For fast access to emergency equipment, the system includes a Personal Protective Equipment Cabinet fully stocked with: a spill kit containing puncture repair putty and absorbent mats, socks, and pillows capable of cleaning up a 60-gallon spill, 20 pairs of shield gloves, 25 pairs of disposable boots, 12 pairs of goggles, and an Emergency Response handbook.

Universal Drum Handler — is available with your HazMat Stak system instead of a Standard Drum Handler, allowing you to handle both steel and fiber drums with a special double-clamping mechanism. Easily removable for standard fork handling.

FLEXIBLE. HEAVY-DUTY. EFFICIENT.

A completely flexible heavy-duty storage solution, the ARS Adjustable Racking System allows super-efficient storage of items of varying size and weight. Like the STAK System®, the ARS is based on a system of removable, positionable pallets, but does not include the STAK System's mast and bridge assembly. ARS pallets are moved by means of fork trucks.

The ARS Adjustable Racking System helps maximize storage density by minimizing the vertical space requirements of each stored pallet and its contents.

- Removable, fully adjustable pallets that can change and grow with your storage requirements.
- Racking is available up to 16' high for maximum vertical storage space.
- Systems can be broken up to fit around unavoidable building structures like columns.
- Array of convenient storage accessories is available (same accessories as STAK System®).
- Consult factory for capacities above 4,000 lbs., extended height systems, or oversized pallets.



For use with existing fork lift.



ADJUSTABLE RACKING SYSTEM FEATURES

Columns and Pallets

Adjustable racking system roll-formed columns provide double-strength rest hooks. Pallets are reinforced with double-layer steel surfaces.

Pallet Fork Guides

Adjustable racking system pallet fork guides insure proper engagement and provide additional structural support. Opposing cross members provide total surface support stability.

Pallet Racking System

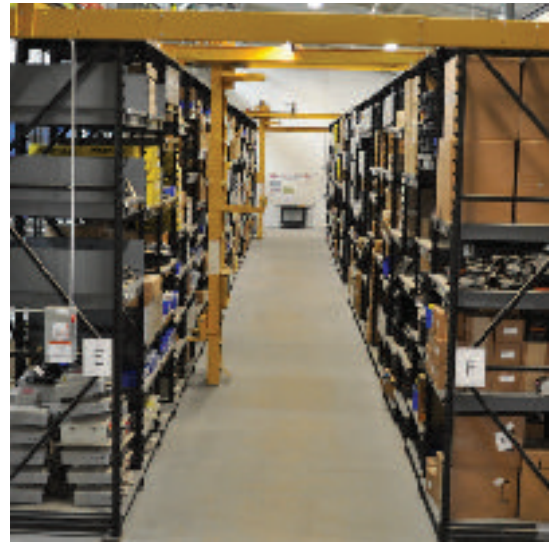
Heavy-duty columns provide 25,000-lb. capacity per storage section (seismic zones 1 and 2). Double-strength rest hooks on 7¾" centers allow maximum-density pallet positions.

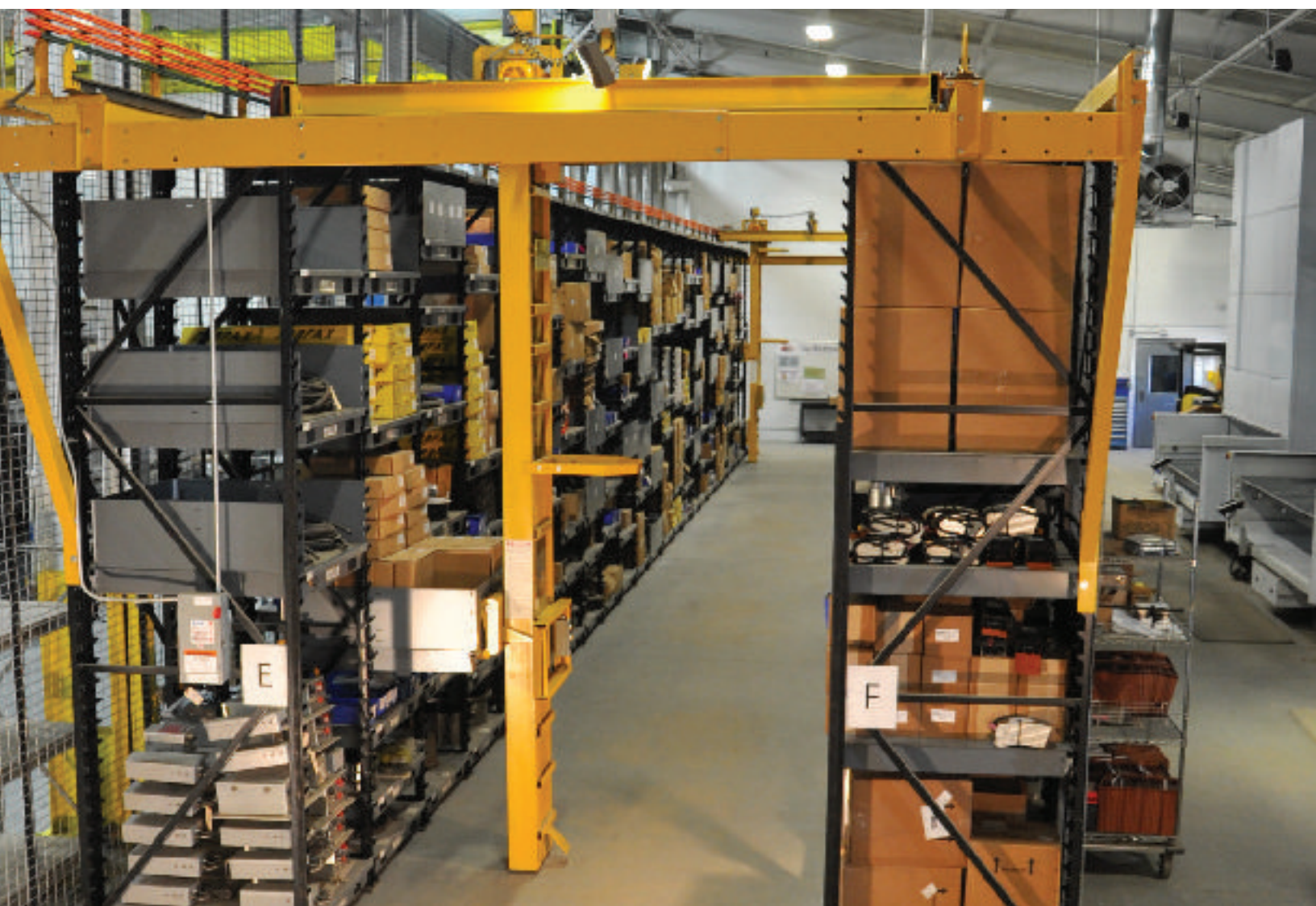
STAK System®: The Vertical Storage Solution

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