

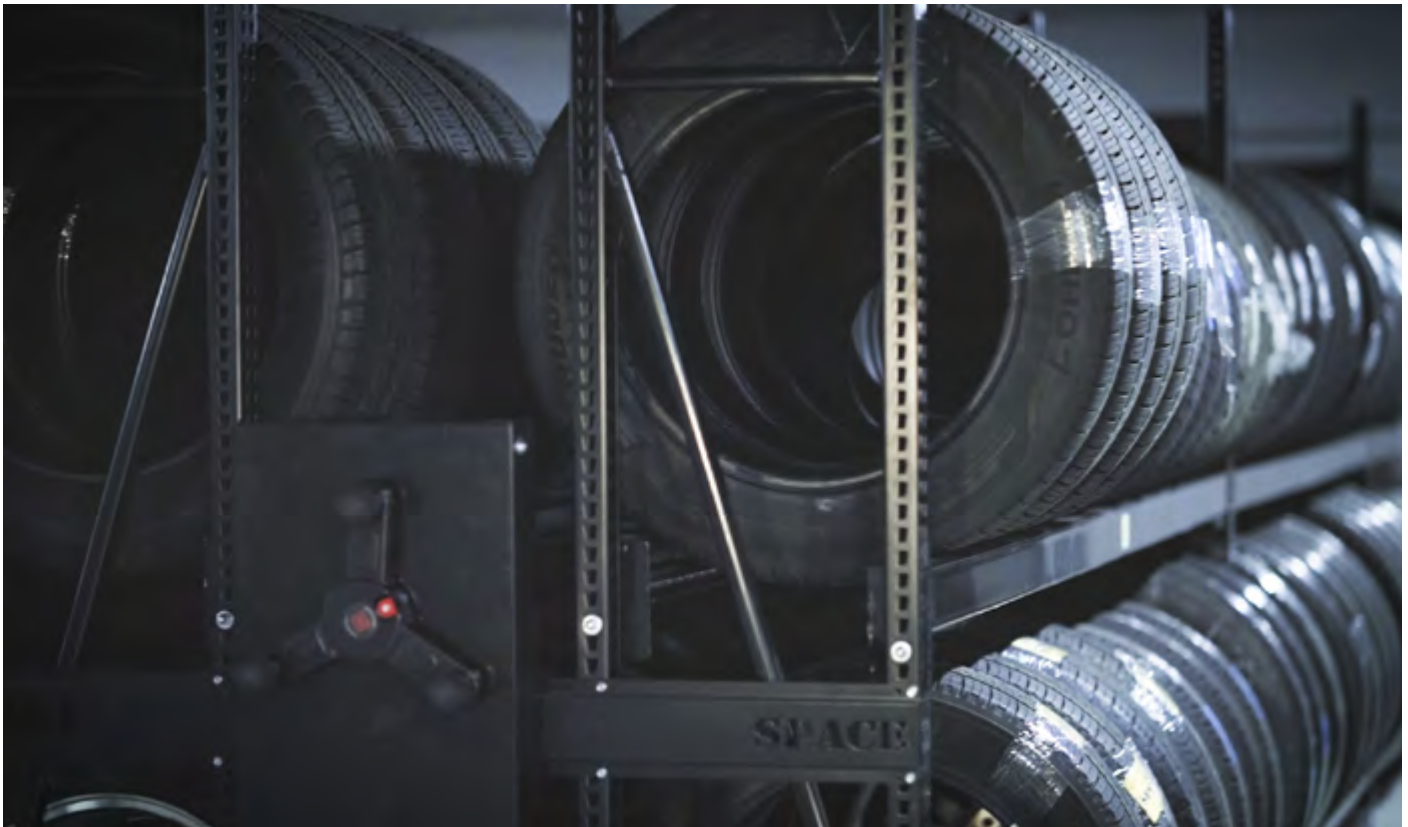


## HIGH-DENSITY STORAGE SYSTEMS SPACE SAVING SOLUTIONS





RACK&ROLL 16MA



RACK&ROLL 16MA



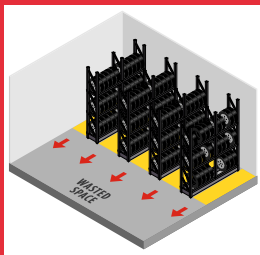
# WHY MONTEL? NO LONGER RUN OUT OF SPACE!

Pioneer of high-density mobile shelving storage system solutions in North America, Montel has installed thousands of fixed and mobile systems over its existence.

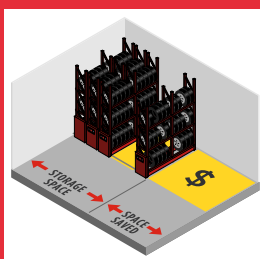
Montel offers turnkey space saving storage solutions including best-in-class manual, mechanical-assist and powered mobile carriages designed for various loads, 4-post hybrid shelving including a large selection of accessories, cantilever shelving, case-type shelving, high-bay shelving, wide span racking, light-duty and heavy-duty drawers, light-duty and heavy-duty cabinets, mobile drawer cabinets, museum cabinets, art racks, workbenches, workstations, pull-out and mobile hanging storage screens and panels.

## THE CONCEPT OPTIMIZE YOUR STORAGE SPACE

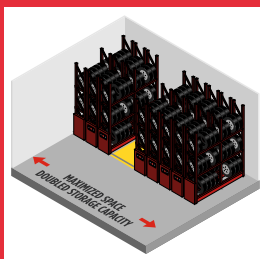
**MONTEL HIGH-DENSITY STORAGE SYSTEMS MAXIMIZE THE USE OF AVAILABLE SPACE, WHETHER TO INCREASE STORAGE CAPACITY, FREE UP ROOM FOR PRODUCTION OR OTHER USES, OR GET RID OF SPACE YOU DO NOT NEED TO PAY FOR.**



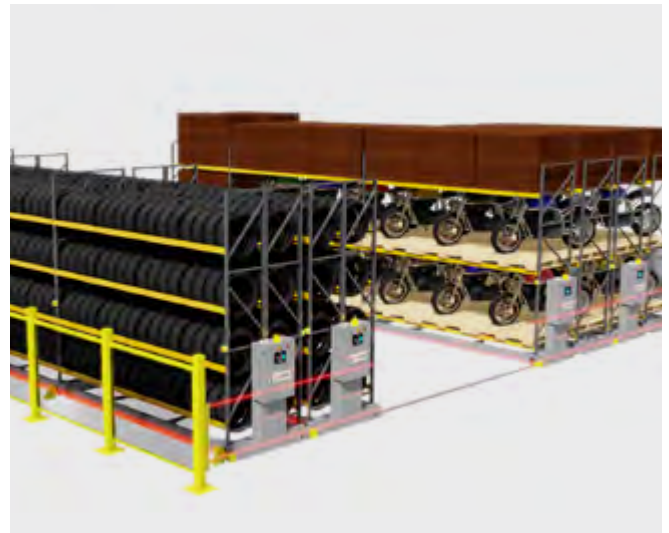
WASTED SPACE CONVENTIONAL  
FIXED RACKING LAYOUT.



SPACE SAVED AND INCREASED PROFITABILITY MOBILE  
STORAGE SYSTEM LAYOUT. 50% OF FLOOR SPACE SAVED  
WITHIN SAME FOOTPRINT.



DOUBLED STORAGE CAPACITY AND INCREASED  
PROFITABILITY MOBILE STORAGE SYSTEM LAYOUT.  
100% GREATER STORAGE WITHIN SAME FOOTPRINT.



SAFERAK® 32P



HI-BAY



MOBILEX®

# INCREASE CUSTOMER RETENTION

## WITH TIRE STORAGE BY GOING MOBILE!

### GROW FROM THE INSIDE, OPTIMIZE AND GENERATE PROFITS.

With Montel mobile storage solutions, discover new floor space so you may not have to expand, relocate or lease additional space since you could grow from the inside of your existing four walls.



### TIRE STORAGE

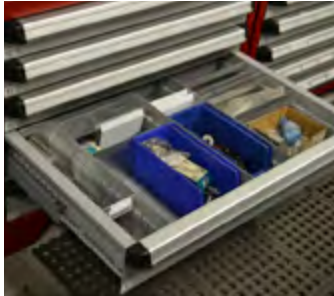
Because of their size and shape, tires tend to withstand traditional shelving styles. If the shelves are too short, the edge of the tires may jut out, which can result in damage to the product and staff members. Mechanical-assist and electric mobile shelving options can both be fitted with basins to stand tires upright and out of harm's way, making them simpler to stock and easier to access, all while reducing storage space.



### AUTO PARTS STORAGE

Each car contains around 30,000 different parts, many of which retailers are expected to stock for repair purposes. Small items like headlight bulbs and skid plates can lead to excellent sales opportunities, provided they're readily available. When retailers use mobile shelving for inventory purposes, they not only expand the catalog of what they can retain on-site, but they put their trust in a storage system designed to preserve spare parts until they're needed.

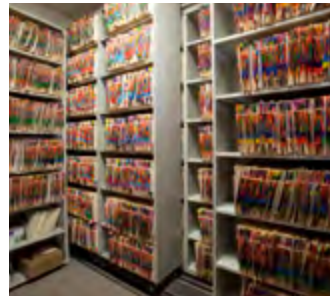




## TOOLS STORAGE

If your tools sit propped against a wall, you inadvertently dull their edges and expose users to tripping injuries. Rather than doing that, why not rods to hold them against the wall or safely inside a storage installation where they can't harm anyone?

Additionally for businesses with large supplies of wiring, tubing, piping and cables, hanging storage can help you preserve your stock and maximize inventory/MRO procurement spend.



## OFFICE STORAGE

Auto part retailers maintain an extensive library of paperwork such as customer invoices, warranties and labor documentation, as well as data regarding how the facility recycles oil and disposes of hazardous materials. Mobile shelving allows a retailer's administration team to collect as much data as it needs to stay profitable and competitive without becoming overwhelmed by paperwork.



## CABINETS & WORKBENCHES FOR GARAGES

Small parts and tools need to be easily accessible in a garage in order to work efficiently. The workbenches offered by Montel allow total flexibility to perform a wide array of tasks. Drawers, cabinets, adjustable shelves, steel bins, power supply, perforated panels, etc... can be combined to offer the optimum working environment while increasing productivity.

# TIRES MOBILE STORAGE

## ENGINEERED HIGH-DENSITY STORAGE SYSTEMS

Recover half of your valuable floor and volume space or double your storage capacity with Montel's mobile storage systems. The use of available space, whether to increase storage capacity, free up valuable room for production or other uses, or get rid of space you do not need to pay for.



- ✓ **DOUBLE YOUR STORAGE CAPACITY OR RECOVER HALF OF YOUR FLOOR SPACE FOR OTHER USES**
- ✓ **MAXIMIZE PROFIT FROM YOUR SQUARE FOOTAGE**
- ✓ **INCREASE CUSTOMER RETENTION**
- ✓ **FAST ROI**

RACK&ROLL 16P



# MOBILIZE TO MAXIMIZE

## POWERED BY MONTEL RACK&ROLL MOBILE STORAGE SYSTEMS

Maximize the efficiency and minimize the costs of your warehouse storage space with Montel's mechanical-assist and powered mobile storage systems designed for industrial environments. The load capacity is 16,000 lb (7 258 kg) per double rack sections.

## ELIMINATE THE NEED FOR MULTIPLE SPACE-WASTING STATIC AISLES. HERE IS HOW:

1. Static units are mounted on mobile carriages.
2. Mobile carriages travel on tracks.
3. Use the handle to move the manual systems or turn the 3-spoke SafeCrank handle for mechanical-assist systems or push a button on the powered system control to open the desired aisle.



### MECHANICAL-ASSIST MOBILE SYSTEM

SafeCrank ergonomic mechanical-assist handles operate easily and smoothly. Simply pressing the aisle safety push-button at the center of the handle locks the system in position.



### POWERED MOBILE SYSTEM

Operate the mobile system with 3 buttons and view system status on the digit screen. PIN access for restricted areas.

## PRODUCTIVITY & TECHNOLOGY



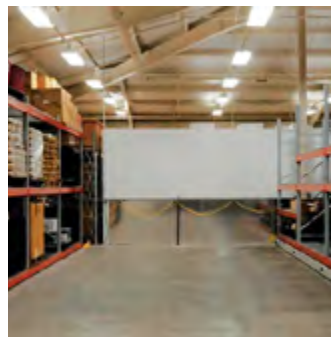
### ePulse™ REMOTE MONITORING SOFTWARE

This remote monitoring & configuration software has the functionality of providing the capability to manage settings remotely and monitor your high-density powered mobile system's performance and operations with assurance.



### REMOTE CONTROL

Forklift operators can operate the mobile storage system remotely with a commercial or industrial rugged remote control mini tablet.



### PROGRAMMABLE AISLE AUTOMATED FEATURES

Users can increase their efficiency by configuring a specific priority aisle(s). While accessing an infrequently used aisle, SmartSpace 2P, SafeAisle®, RACK&ROLL 16P, SAFERAK® 32P and SAFERAK® 60P mobile racking automatically repositions the system to your designed predetermined aisle(s).



# SHELVING SYSTEMS

**MONTEL SHELVING SYSTEMS OFFER A WIDE RANGE OF ACCESSORIES AND PRACTICAL FEATURES WHICH CAN BE ADAPTED TO YOUR SPECIFIC STORAGE NEEDS.**



## **SMARTSHELF® 4-POST HYBRID SHELVING**

Store a broad array of items with Montel's one-shelf-fits-all 4-post patented hybrid system (US Patent # 6,814,245 and Canadian Patent # 2,324,785). Store more using less space with SmartShelf® multiple unique features.



## **CABINET STYLE CASE-TYPE SHELVING**

Compatible with many Montel's mobile storage systems. The entire unit can be locked, and it also comes with optional individually lockable drawers. The shelving's streamlined design blends with any environment.



## **4D-500, 4D-1000, 4D-1500 WIDE SPAN RACKING**

Store heavier loads and bulky items with Montel's long-span semi-industrial racking. 500 LB (227 KG), 1,000 LB (454 KG) OR 1,500 LB (650 KG) PER TIER.



## **HI-BAY HIGH-BAY WAREHOUSE SHELVING**

Organize your warehouse with HI-BAY high-density storage solutions and gain more space. Gain even more cubic and square footage with HI-BAY MOBILE by mounting static HI-BAY shelving units onto mobile carriages. 800 LB (363 KG) PER SHELF.



# CABINETS



**LIGHT-DUTY  
STORAGE  
CABINETS**  
HINGED DOUBLE  
DOORS



**HEAVY-DUTY  
MOBILE DRAWER  
CABINETS**



**LIGHT-DUTY  
STORAGE  
CABINETS**  
HINGED SINGLE  
DOOR



**HEAVY-DUTY  
MOBILE DRAWER  
CABINETS**



**LIGHT-DUTY  
STORAGE  
CABINETS**  
COUNTER HIGH  
HINGED DOORS



**PULL-OUT  
VERTICAL DRAWER  
CABINETS**



**LIGHT-DUTY  
DRAWER  
CABINETS**



**HEAVY-DUTY  
DRAWER  
CABINETS**

# SHELVING WITH DRAWERS



**SMARTSHELF®**  
4-POST HYBRID  
SHELVING WITH  
DRAWERS



**INDUSTRIAL  
MODULAR DRAWERS**  
DESIGNED FOR  
SMARTSHELF®



UPFRONT STORAGE FOR FAST AND EASY ACCESS

# OTHER AUTOMOTIVE STORAGE SOLUTIONS

Montel's storage solutions offer infinite ways to store perfectly all shapes and sizes of your objects.

## QUADRAL



## CARTS



## WORKBENCHES



## AETNASTAK CANTILEVER SHELVING HANGING STORAGE UNIVERSAL CROSSBARS WITH HANGING RODS



## HANGING STORAGE SCREENS



# INDUSTRIAL MODULAR DRAWERS

## DRAWER COMPARTMENT SPECIFICATIONS

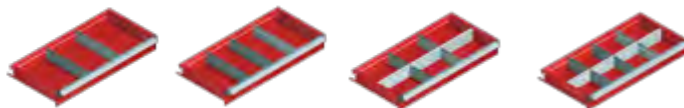
### AVAILABLE LOAD CAPACITY:

- 200 lb load capacity commercial-grade drawers
- 400 lb load capacity industrial-grade drawers

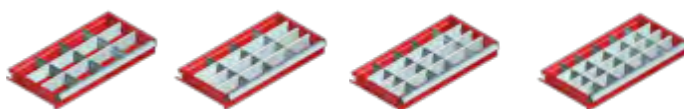
### DESIGN INFORMATION

- Add 2" in thickness for the drawer handle design so consider wider bumpers when on mobile carriages.
- Minimum of 2 anti-tip rails if used on mobile carriages
- Maximum height for drawers-in-shelving: 48"
- Static units anchored to floor

### 3 TO 8 COMPARTMENTS



### 12 TO 24 COMPARTMENTS



### 32 TO 44 COMPARTMENTS



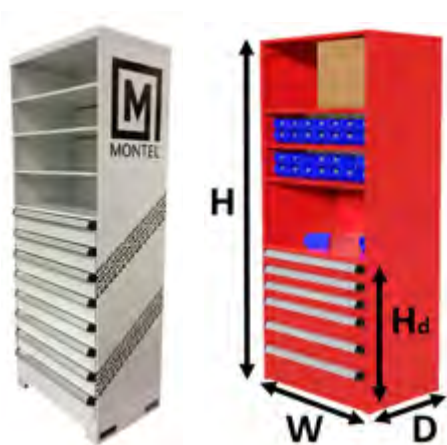
## 36 SIZES AVAILABLE

WIDTH	NOMINAL		USABLE SPACE		DEPTH	NOMINAL		USABLE SPACE		HEIGHT	NOMINAL		USABLE SPACE	
	36"		32"			18"		15"			4"		3"	
	42"		38"			24"		21"			5"		4"	
	48"		44"			30"		27"			6"		5"	
											8"		7"	

## SMARTSHELF® 4-POST HYBRID SHELVEING WITH DRAWERS

WIDTH (W)	36"	42"	48"
DEPTH (D)	18"	24"	30"
OVERALL HEIGHT* (H)	75"	87"	
BANK OF DRAWERS HEIGHT (H <sub>d</sub> )	24"	36"	48"

\* Other height dimensions available upon request.



\*SmartShelf® 4-Post shelving shown with industrial drawers and an optional forklift base



# CABINETS

## MONTEL OFFERS A COMPLETE RANGE OF STORAGE CABINETS FOR ALL TYPES OF MATERIALS.

The system includes accessories for various possible configurations, sure to satisfy your most particular needs.

The inner compartments and dividers of each modular drawer are customizable so your gear is organized to maximize your storage space.



### LIGHT DUTY & HEAVY DUTY STORAGE CABINETS - HINGED DOORS\*

WIDTHS (W)	24"	30"	36"	39 3/8"	42"	
DEPTHS (D)	10"	12"	13"	15"	16"	18"
HEIGHTS* (Hd)	34 1/2"	43 1/2"	45"	57"	78"	87" 90"



### DRAWER CABINETS & MOBILE DRAWER CABINETS\*

WIDTHS (W)	30"	36"	42"	48"
DEPTHS (D)	18"	24"	30"	
BANK OF DRAWERS HEIGHT* (Hd)	26"	48"		



#### COUNTERTOP OPTIONS

- Steel
- Stainless Steel
- Wood

#### DRAWER CONFIGURATIONS FOR LIGHT-DUTY DRAWER CABINETS

- 5" (13 cm)
- 6" (15 cm)
- 10" (25 cm)

\* Add 7" in height for casters or add 4" in height for a transpallet base for heavy duty storage cabinets. Overall height of cabinet may slightly vary if provided with or without a countertop and depending on countertop material and thickness.

# MOBILIZE YOUR SHELVING SYSTEM!



SAFECRANK  
MECHANICAL-ASSIST  
HANDLES

## MODES OF OPERATION

Choose from a wide selection of handles or controllers to operate your mobile system.



### MANUAL MOBILE STORAGE SYSTEMS HANDLE

Move the mobile system manually  
with the system handle.



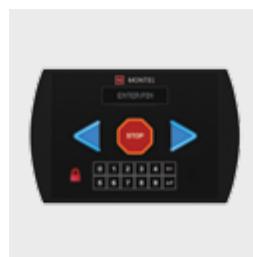
### POWERED MOBILE STORAGE SYSTEMS CONTROL

Operate the mobile system with 3 buttons  
and view system status on the digit screen.



### SAFECRANK MECHANICAL-ASSIST STORAGE SYSTEMS SMALL HANDLE

Safecrank ergonomic mechanical-assist handles  
operate easily and smoothly. Simply pressing the  
aisle safety push-button at the center of the handle  
locks the system in position. Available in black.



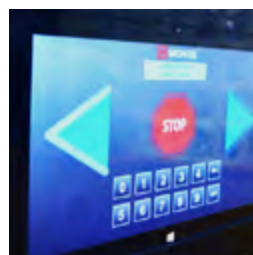
### POWERED MOBILE STORAGE SYSTEMS CONTROL WITH PIN FOR RESTRICTED ACCESS

Operate the mobile system with 3 buttons  
and view system status on the digit screen.  
PIN access for restricted areas.



### SAFECRANK MECHANICAL-ASSIST STORAGE SYSTEMS LARGE HANDLE

Safecrank ergonomic mechanical-assist handles  
operate easily. Move multiple mobile shelving units  
at once without effort. Simply pressing the aisle  
safety push-button locks the system in position.  
Available in 3 colors: black, red, and white.



















### POWERED MOBILE STORAGE SYSTEMS LCD TABLET CONTROL WITH OR WITHOUT PIN

Operate the mobile system with 3 buttons  
and view system status on the LCD screen.  
PIN access for restricted areas. Limitless  
customized displays.



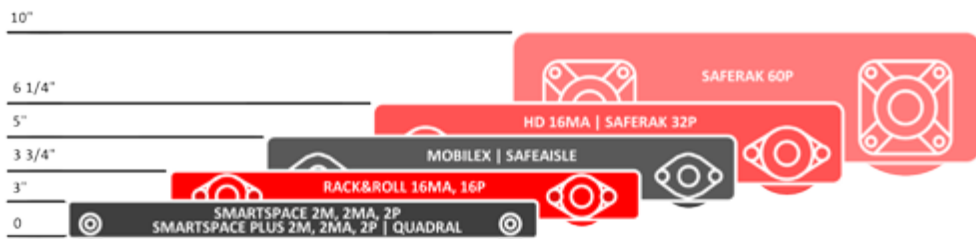
# MOBILE SYSTEMS MAXIMUM LOAD VS MODES OF OPERATION

	SHELVING & RACKING CAPACITY			MODES OF OPERATION			
	 SLIDING CARRIAGES	 SINGLE CARRIAGE	 TANDEM CARRIAGES	 PUSH & SLIDE MOBILE SYSTEM	 MANUAL MOBILE SYSTEM	 MECHANICAL-ASSIST MOBILE SYSTEM	 POWERED MOBILE SYSTEM
<b>COMMERCIAL SERIES</b>							
 <b>QUADRAL</b> 2,000 LB (907 KG)	✓ 2,000 LB (907 KG) per single bay of shelving	N.A	N.A	✓	N.A	N.A	N.A
 <b>SMARTSPACE 2M, 2MA, 2P</b> 2,000 LB (907 KG)	N.A	✓ 2,000 LB (907 KG) per single face or double face shelving sections	N.A	N.A	✓ SMARTSPACE 2M	✓ SMARTSPACE 2MA Large, Small* SafeCrank	✓ SMARTSPACE 2P
 <b>SMARTSPACE PLUS 2M, 2MA, 2P</b> PROVIDED WITH MODULAR DECKING 2,000 LB (907 KG)	N.A	✓ 2,000 LB (907 KG) per single face or double face shelving sections	N.A	N.A	✓ SMARTSPACE PLUS 2M	✓ SMARTSPACE PLUS 2MA Large, Small* SafeCrank	✓ SMARTSPACE PLUS 2P
 <b>MOBILEX®</b> 1,000 LB per linear foot (488 KG per linear meter)	N.A	✓ 1,000 LB per linear foot (488 KG per linear meter)	✓ 2,000 LB per linear foot (2,976 KG per linear meter)	N.A	N.A	✓ Large, Small* SafeCrank	N.A
 <b>SAFEAISLE®</b> 1,000 LB per linear foot (488 KG per linear meter)	N.A	✓ 1,000 LB per linear foot (488 KG per linear meter)	✓ 2,000 LB per linear foot (2,976 KG per linear meter)	N.A	N.A	N.A	✓
<b>HEAVY-DUTY INDUSTRIAL SERIES</b>							
 <b>RACK&amp;ROLL 16MA, 16P</b> 16,000 LB (7,258 KG)	N.A	✓ 8,000 LB (3,629 KG) per single deep rack section	✓ 16,000 LB (7,258 KG) per double deep rack section	N.A	N.A	✓ RACK&ROLL 16MA Large SafeCrank	✓ RACK&ROLL 16P
 <b>HD 16MA</b> 16,000 LB (7,258 KG)	N.A	✓ 16,000 LB (7,258 KG) per single deep rack section	N.A	N.A	N.A	✓ Large SafeCrank	N.A
 <b>SAFERAK® 32P</b> 32,000 LB (14,514 KG)	N.A	✓ 16,000 LB (7,258 KG) per single rack section	✓ 32,000 LB (14,514 KG) per double rack section	N.A	N.A	✓	✓
 <b>SAFERAK® 60P</b> 60,000 LB (27,215 KG)	N.A	✓ 30,000 LB (13,607 KG) per single rack section	✓ 60,000 LB (27,215 KG) per double rack section	N.A	N.A	N.A	✓

\* The small SafeCrank handle is only provided for narrow carriages less than 20" wide. Available in black only.

## CARRIAGES HEIGHT

 COMMERCIAL SERIES  
 HEAVY-DUTY INDUSTRIAL SERIES

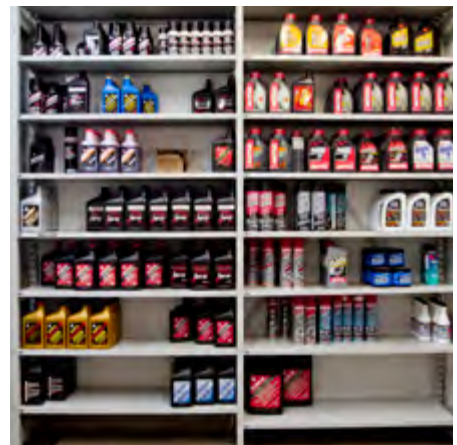


# A SMART BOLTLESS SHELVING SYSTEM

SMART **SHELF**®

**A SMART SHELVING SYSTEM FOR YOUR CURRENT AND FUTURE STORAGE NEEDS. YOU CAN FACE THE FUTURE WITH PEACE OF MIND.**

You can store anything with SmartShelf®. This new revolutionary shelving system was designed to be configured and reconfigured easily and efficiently. The only good solution is a flexible solution!





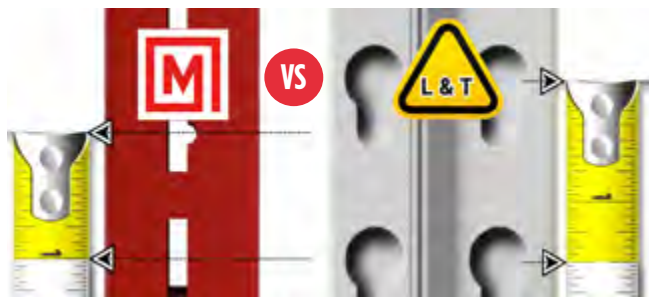
# GET MORE VERTICAL & HORIZONTAL SPACE WITH SMARTSHELF®



## TAKE SPACE EFFICIENCY TO A NEW LEVEL | MAXIMIZE YOUR STORAGE | OPTIMIZE YOUR SPACE

Our continuous quest for space optimization has led us to develop SmartShelf®, a shelving system that exceeds industry standards.

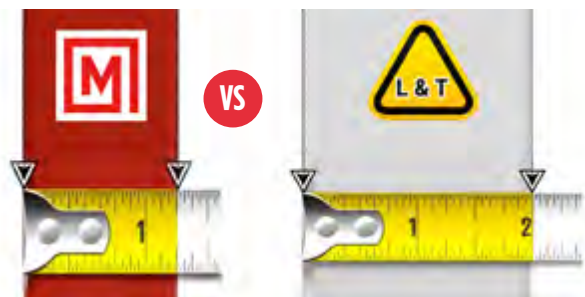
### MORE STORAGE VERTICALLY ADJUSTABLE SHELVES IN 1" (25.4 MM) INCREMENTS



1"  
SMARTSHELF® HYBRID SHELVING  
SYSTEM WITH HOOKS

1 1/2"  
L&T COMMODITY SHELVING

### MORE STORAGE HORIZONTALLY 3/4" (19 MM) MORE USABLE STORAGE PER SHELF



1 1/4"  
SMARTSHELF® HYBRID SHELVING

2"  
L&T COMMODITY SHELVING

## DO THE SMARTSHELF® MATH

100 SECTIONS OF 97" (246.38 CM) HIGH  
WITH 8 TIERS OF BACK-TO-BACK SHELVING  
UNITS WOULD REPRESENT:

**NOTE:** WHAT ABOUT THE ADDITIONAL STORAGE VERTICALLY DUE  
TO THE 1" INCREMENTS VS. L&T AT 1 1/2" INCREMENTS.  
ADD THESE EXTRA LINEAR INCHES TO YOUR TOTAL.

8 TIERS  
X 2 BACK-TO-BACK SHELVING UNITS  
X 3/4" (19 MM) MORE STORAGE PER SHELF  
= 12" (30.48 CM) MORE USABLE STORAGE PER SHELVING UNIT  
X 100 SECTIONS

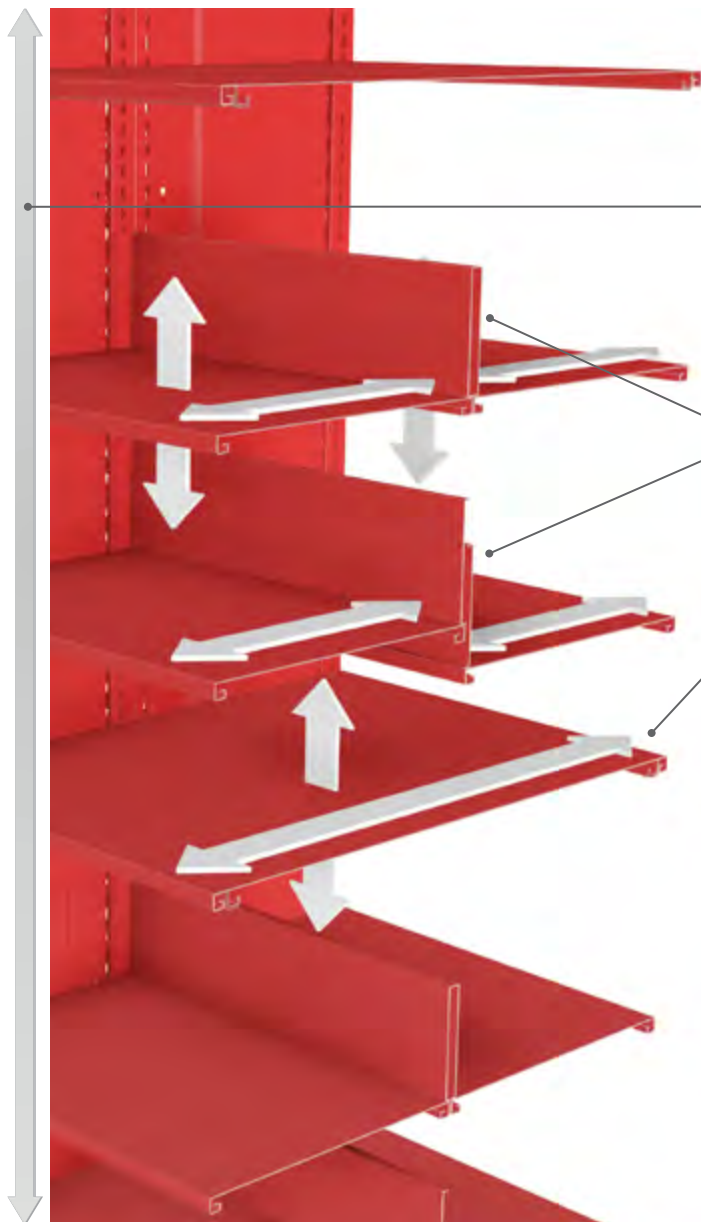
**= 1,200" (30.48 M) ADDITIONAL LINEAR INCHES  
OF STORAGE WITH SMARTSHELF® VS. L&T**

# COMBINED FLEXIBILITY TO STORE VIRTUALLY ANYTHING

## EVERYTHING IS NOW POSSIBLE WITH SMARTSHELF® TAKE SPACE EFFICIENCY TO A NEW LEVEL

SMART **SHELF**®

Montel has designed the most versatile storage shelving system. You can store virtually anything without wasting any storage space with SmartShelf® as you can configure and reconfigure your shelving units to fit all shapes and sizes of your objects. You can reconfigure it anytime according to your changing storage needs and available space.



### FROM ONE TIER TO THE NEXT

SmartShelf® is the only storage system that can be configured with back-to-back or double face full depth shelves, or any combination of both.

### BACK-TO-BACK SHELVES

The shelf system is independently adjustable on both sides for many storage possibilities. Easy to assemble and reconfigure.

### DOUBLE FACE FULL DEPTH SHELVES

For storing large objects of various lengths, shapes and sizes.

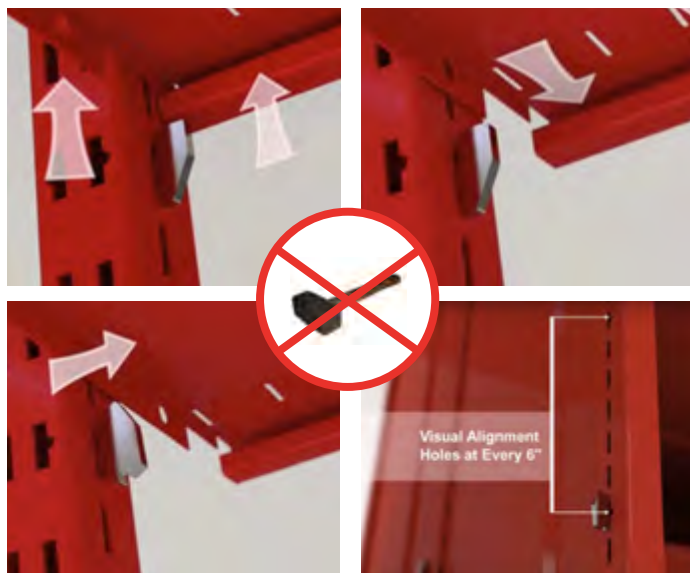
### AESTHETICS

- No rivets, screws or bolts are used. The shelves, centerstops and backstops fit snugly to the posts, providing a neat and attractive finish. A wide variety of colors is available.
- Optional end panels are available in laminates, wood veneers, and acrylic for an attractive look.
- Adjustable threaded leveling feet are supplied for more stability on uneven floor surfaces.
- Powder-coat paint finishes are extremely durable, preventing marks, scratches and chips while providing a very nice finish.



# EASY TO ADJUST A SHELF

## SAVE SPACE | SAVE TIME | SAVE MONEY



### SHELVING SYSTEM WITH HOOKS: EASY TO RECONFIGURE & NO TOOLS REQUIRED

The SmartShelf® exclusive hook shelf support system provides the quickest and greatest ease of assembly, disassembly, and reassembly.

No tools, hammers or mallets needed to install, remove, or reconfigure shelves as necessary with industry typical shelf support systems.

The shelves can be conveniently put in or taken out without adjusting, tilting, or removing the shelves above or below since the box-formed posts do not impede the front of the shelf. The slide-in & slide-out capability truly reduces the time and effort to reconfigure the shelves, as there is no handling of the various shelf components.

Additionally stored objects are protected from disruption on the adjacent shelves below.



### STORE MORE IN LESS SPACE

#### ADDITIONAL LINEAR STORAGE CAPACITY OF 3/4" (19.5 MM) PER SHELF

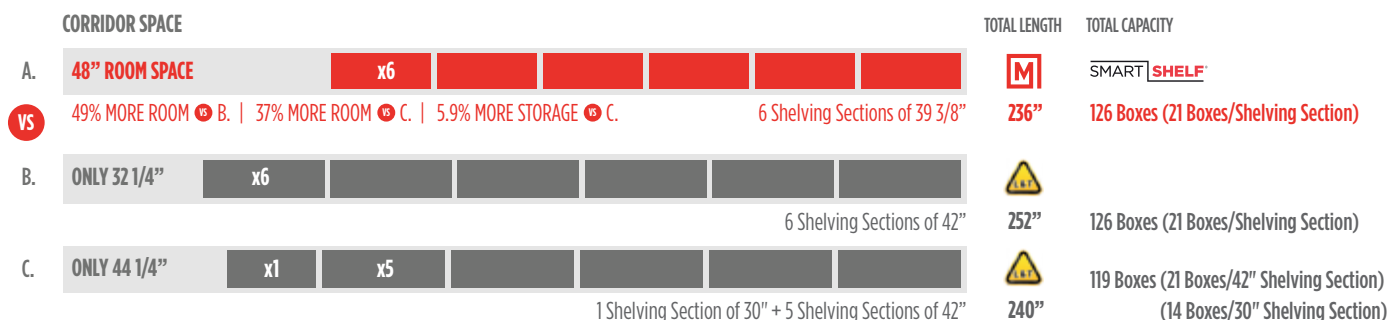
Provides more actual usable storage space since the box-formed post does not impede the front of the shelves as found on other systems.

#### AVAILABLE IN 39 3/8" (1 METER) WIDE SECTIONS

For storing 3 archival boxes perfectly without wasting any storage space (provided each box is maximum 12 1/2" (31.7 cm) wide).

Provides much greater overall capacity compared to other shelving systems that are usually only available in 36" (91.44 cm) or 42" (1.07 m) wide sections thus not optimizing space.

### MAKES SHELVING RUNS SHORTER SO YOU CAN STORE MORE IN LESS SPACE



NOTE: ILLUSTRATIONS ABOVE REPRESENT 7 TIERS OF SHELVING.

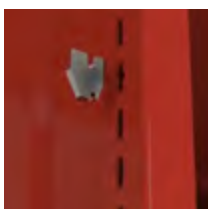
# DESIGN FEATURES

SMART **SHELF**®



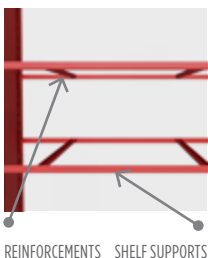
## FOUR ROLL-FORMED SHELF FOLDS

- The fourth fold reduces the risk of injury, protects documents or objects, and makes the shelves sturdier
- The 3/4" (19.5 mm) shelves are made of 20" (0.91 mm) or 18" (1.21 mm) gauge steel
- The 1" (25.4 mm) shelves are made of 18-gauge steel



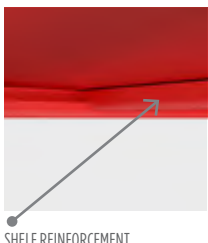
## SHELF HOOKS

SmartShelf® is very easy to assemble when using hooks. No tools and no shelving unit disassembly required to reconfigure the shelves



## SHELF SUPPORTS (OPTIONAL)

These supports are available in 3/4" (19.5 mm) or 1 1/4" (31.75 mm) height, according to the application and required load, and adjustable on 1 1/2" (38 mm) increments. They are made of 12-gauge (2.66 mm) steel. Safely supports the shelves and allow for the addition of reinforcements. Increases rigidity



## SHELF REINFORCEMENTS (OPTIONAL)

Shelf reinforcements are inserted in the longitudinal supports. The number of supports depends on the width of the shelves and the weight of the items to be stored



## CLOSURE PANELS OR END DIVIDERS (OPTIONAL)

Closure panels extend into the shelf area. Prevent stored objects from falling behind the closed-post upright. End dividers provided with slotted shelves are a more economical alternative.



## CLOSED-POST

- 16-gauge (1.52 mm) steel posts. Increases rigidity
- Posts form a 1 1/4" (31.75 mm) x 1 1/2" (38 mm) closed tube providing 3/4" (19 mm) more usable clear storage space per shelf than the industry standard 2" (50.8 mm) wide post
- Posts are perforated at every 1" (25.4 mm) on the sides to accommodate back-to-back shelf hooks and at every 1 1/2" (38 mm) at the back to accommodate double face full depth shelf supports
- Visual alignment holes at every 6" (152.4 mm) to facilitate shelf adjustment
- Smooth finished appearance since no holes or fasteners are exposed on the front face of the upright posts



## UNIT-WELDED UPRIGHT TIE-BARS

- The posts are joined by 2 (or more if required) upright tie-bars to form a rectangular frame
- In compliance with seismic requirements
- The upright tie-bars are made of 16-gauge steel (1.52 mm). Ensures solidity and rigidity



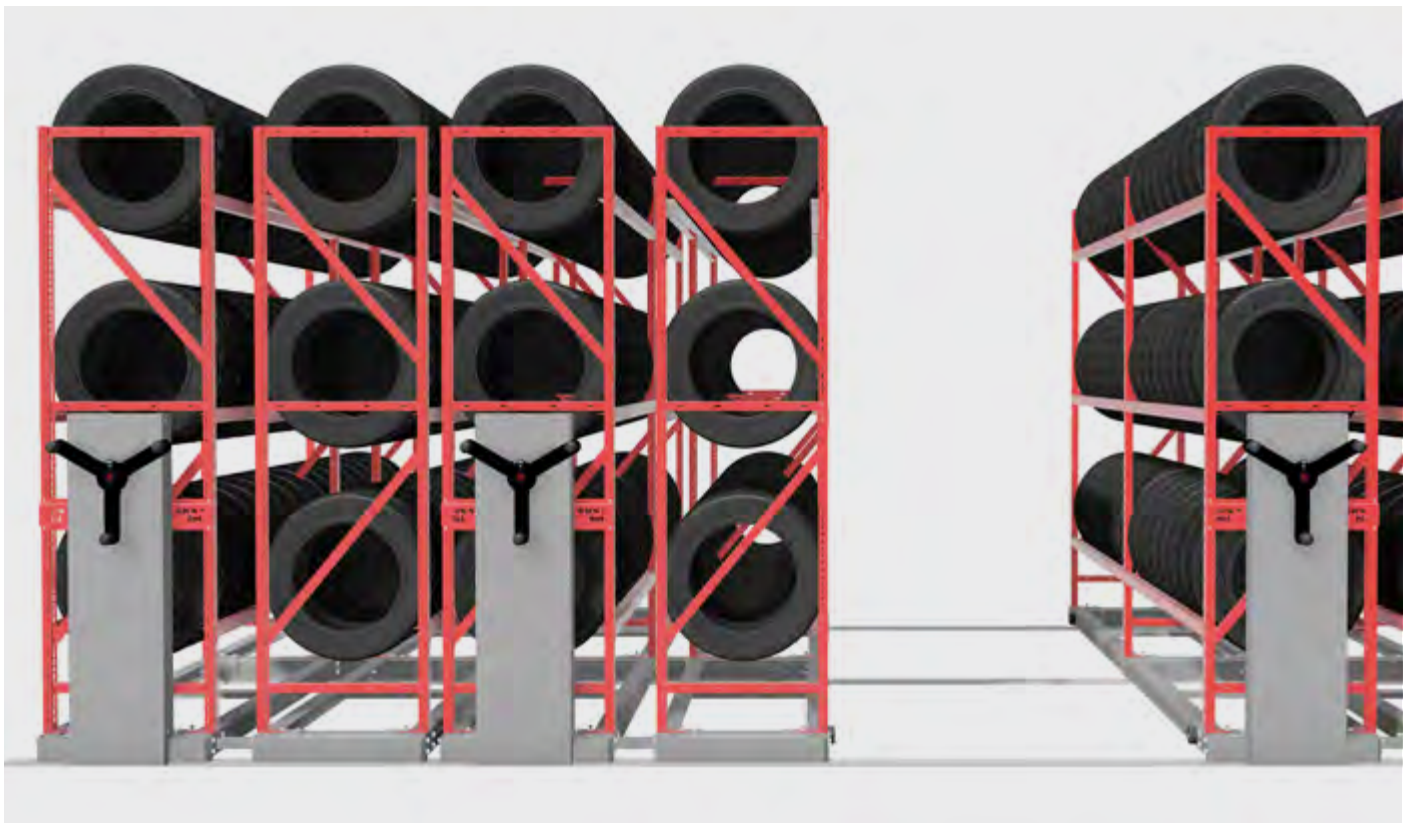
## INTEGRATED LEVELERS

Unlike shims, integrated levelers ensure accuracy, stability and a safe working environment on uneven floors.



## BEST-IN-CLASS SHELVING TO MOBILE CARRIAGE ATTACHMENT

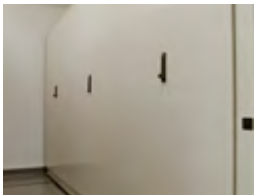
Designed with a bottom welded fastening channel for a secure bolted attachment onto the internal C-Channel carriage assembly. The carriages fronts are clear of any visible fastening hardware as seen with other systems.





# ACCESSORIES

## UNLIMITED POSSIBILITIES



LOCKABLE HINGED DOORS



SLIDING TRAY



SLATWALL STEEL PANEL WITH UPFRONT DISPLAY SHELF & WORKING LAPTOP SHELF



UNIVERSAL CROSSBARS WITH HANGING RODS



MOBILEX® WITH PATENTED AISLE SAFETY BRAKE (1) | PULL-OUT DRAWERS (2)



STURDY PULL-OUT WORKING SHELF



HEAVY-DUTY MOBILE DRAWER CABINET WITH HARDWOOD COUNTERTOP



HEAVY-DUTY MOBILE DRAWER CABINET WITH STAINLESS COUNTERTOP



FORKLIFT BASE



ADJUSTABLE HANGING BINS UPFRONT



ADJUSTABLE BINS ON EITHER SIDE



LARGE FRONT STOPS | GARMENT ROD



PULL-OUT DRAWERS



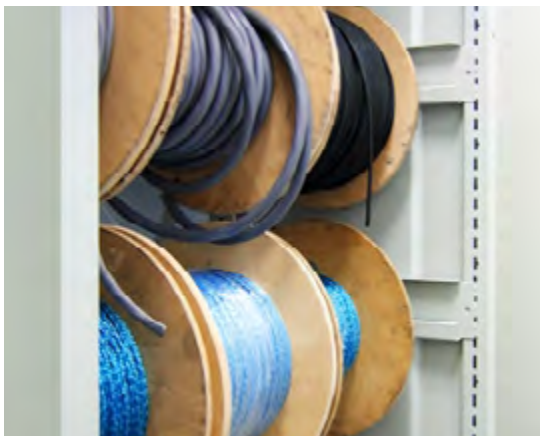
WHITEBOARD END PANELS



CART WITH LOCKABLE HINGED DOORS



DIVIDERS



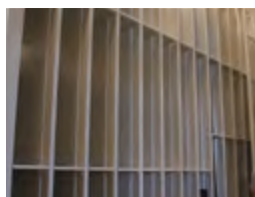
WIRE SPOOL RODS



ROLLING SHUTTERS DOORS



COMPARTMENTS WITH HINGED DOORS  
PERFORATED BACK PANELS



VERTICAL BIN COMPARTMENTS



SMARTSPACE 2MA MOBILE SYSTEM WITH UPFRONT STORAGE



SMARTSHELF® SHELVING RUN ON CASTERS  
WITH ROLLING SHUTTERS



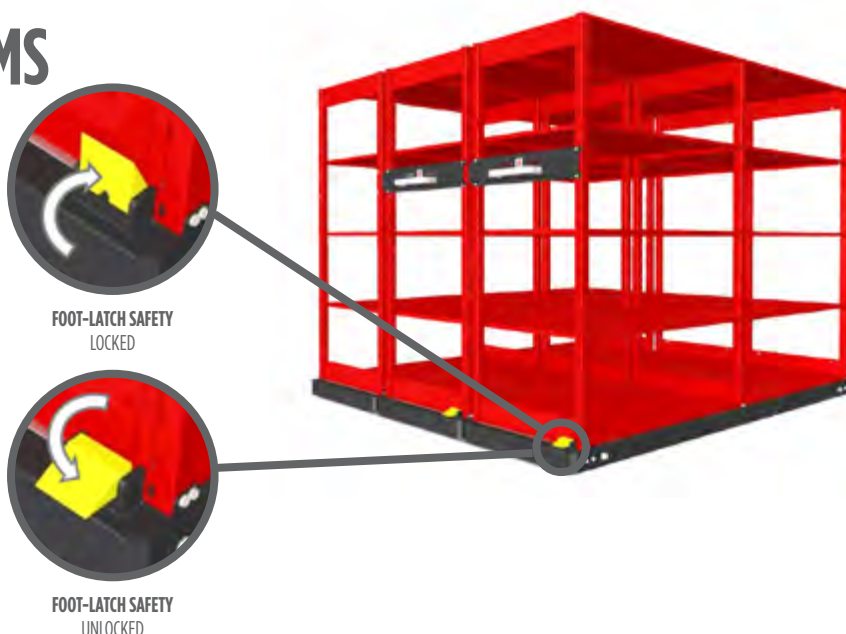
## SAFETY

# MANUAL MOBILE STORAGE SYSTEMS SMARTSPACE 2M

## OPTIONAL SAFETY

### FOOT LATCH SAFETY

Montel's foot-latch safety for manual SmartSpace mobile storage systems is the ideal option to prevent the mobile storage system from moving. Engaging the foot-latch safety before entering an aisle prevents other users from operating a system already in use.



## SAFETIES

# MECHANICAL-ASSIST MOBILE STORAGE SYSTEMS SMARTSPACE 2MA | MOBILEX® | RACK&ROLL 16MA



## STANDARD SAFETY

### SAFECRANK AISLE SAFETY PUSH-BUTTON



UNLOCKED



PUSH TO LOCK OR UNLOCK



LOCKED

To operate the system, rotate the SafeCrank handle clockwise or counterclockwise. To lock or unlock the SafeCrank handle, simply press the aisle safety push-button located at the center of the handle. A locked handle prevents the corresponding mobile unit from moving. Mobile units on both sides of an aisle in use must be locked to ensure user safety.

## OPTIONAL SAFETY | MOBILEX®

### GRAVITY-FED MECHANICAL SAFETY BRAKE



(US PATENT # 7,645,000 / CANADA PATENT # 2,545,090)

Montel's patented mechanical safety brake ensures complete protection for users and objects. The toe-level bar, when pressed, will automatically stop the carriage. Only a light pressure is needed for the bar to activate the mechanism.



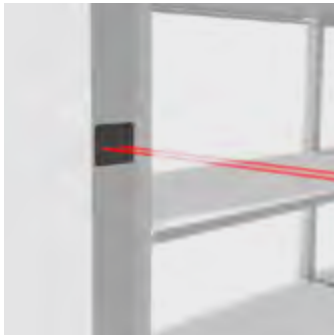
## SAFETIES

# POWERED MOBILE STORAGE SYSTEMS

## SMARTSPACE 2P | SAFEAISLE® | RACK&ROLL 16P

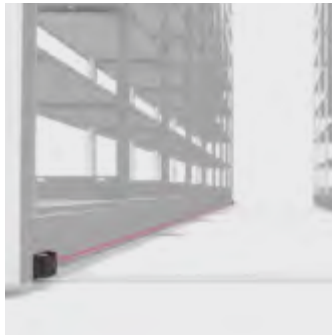
### STANDARD SAFETIES

#### AISLE-ENTRY PEOPLE COUNTER



Carriage movement instantly stop when the system detects any beam disruption in front of the storage system when a user is entering an aisle.

#### INFRARED FOOT-LEVEL SAFETY BEAM ONE SIDE OF MOBILE CARRIAGE

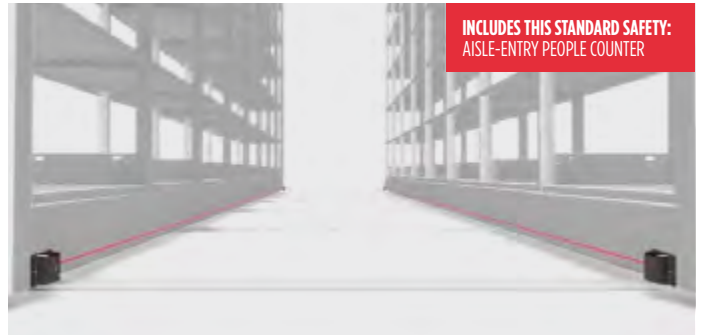


Photoelectric beam projecting on one side of each aisle is mounted low on the carriage side member.

**NOTE:** SUITABLE ONLY FOR VERY LOW TRAFFIC RESTRICTED AREAS, AND SHORT MOBILE CARRIAGES BUT NOT RECOMMENDED FOR PUBLIC ACCESS SPACES.

### OPTIONAL SAFETIES

#### INFRARED FOOT-LEVEL SAFETY BEAMS BOTH SIDES OF MOBILE CARRIAGE

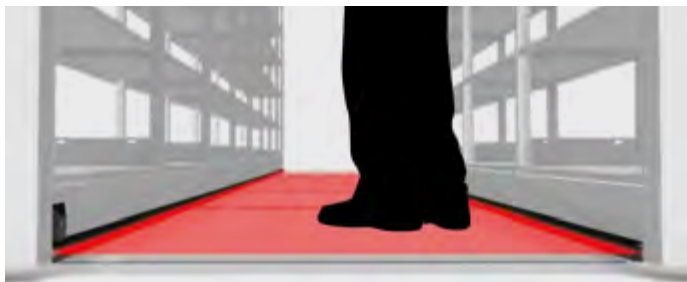


Photoelectric beams projecting on both sides of each aisle are mounted low on the carriage side members.

**NOTE:** SUITABLE ONLY FOR LOW TO MEDIUM TRAFFIC RESTRICTED AREAS BUT NOT RECOMMENDED FOR PUBLIC ACCESS SPACES.

### ADVANCED OPTIONAL SAFETY

#### AISLE LED GUARD™ COMPLETE AISLE-DETECTION PASSIVE SAFETY



**NOTE 1:** AISLE LED GUARD™ IS REQUIRED FOR PUBLIC ACCESS AREAS.

**NOTE 2:** FLOOR LEVEL-SAFETY BEAM(S) ARE NOT REQUIRED WITH AISLE LED GUARD™.

AISLE LED GUARD™ IS PATENTED.

#### MONTel REVOLUTIONIZES MOBILE STORAGE WITH AISLE LED GUARD™ FOR SMARTSPACE 2P, SAFEAISLE® AND RACK&ROLL 16P

Montel's powered mobile systems supplied with the advanced optional safety Aisle LED GUARD™ passive safety adds a new dimension by continuously detecting the whole floor surface footprint of an aisle.

LED sensors detect people and objects in open aisles. While aisles are in use or occupied, racking modules are locked in place, thereby protecting users from injury and stored materials from damage. Regardless of what you and your organizations stores Aisle LED Guard™ ensures no avoidable harm comes to any of it should it fall from your shelves.

#### COMPLETELY PASSIVE

Aisle LED Guard™ is 100% passive. Users do not have to remember to locate and activate any safety devices when interacting with the mobile shelving or racking system. Even with fully loaded racking, Aisle LED Guard™ will protect users and objects left in the aisle without human intervention.

#### FULL COVERAGE

Where users stand in an open aisle will not impact the effectiveness of Aisle LED Guard™. No matter where a user are located in the aisle, no matter where in the aisle a product falls, no matter if a pallet is left in the aisle, the units will not close without complete clearance.

#### FOOLPROOF DESIGN

Aisle LED Guard™ used in Montel products cannot be deactivated, overwritten or bypassed. No sequence of button mashing or reconfiguration will shut it down. Aisle LED Guard™ places mobile shelving installations in a constant state of vigilance.

#### IMPROVE PRODUCTIVITY

SmartSpace 2P, SafeAisle® and RACK&ROLL 16P systems provided with Aisle LED Guard™ automatically reset as soon as a user or object is cleared from an aisle. Users waste no time manually resetting an aisle after each use.

## SAFETIES

# POWERED MOBILE STORAGE SYSTEMS

**SAFERAK® 32P | SAFERAK® 60P**



## RATED MACHINE SAFETY STANDARDS

IN ORDER TO BE COMPLIANT WITH “RATED MACHINE SAFETY STANDARDS”, MONTEL HIRED AN OUTSIDE FIRM SPECIALIZED IN ANALYZING SAFETY IN INDUSTRIAL ENVIRONMENTS. FOLLOWING THIS ANALYSIS, MONTEL DECIDED TO COMPLY BY OFFERING NUMEROUS STANDARD SAFETIES.



### SYSTEM ENTRY INFRARED BEAM CURTAIN



Carriage movement instantly stop when the system detects any beam disruption in front of the storage system.

### INFRARED FLOOR-LEVEL SAFETY BEAMS BOTH SIDES OF EACH MOBILE CARRIAGE



Photoelectric beams projecting on both sides of each aisle are mounted low on the carriage side members.

### READILY ACCESSIBLE EMERGENCY STOP BUTTON



Face panels emergency stop buttons are arguably the most identifiable element on a SAFERAK®.

### SAFEGUARDS FOR ALL MECHANICAL MOVING PARTS



All mechanical moving components are concealed and protected by a steel safety guard to prevent inadvertent access.

### MECHANICAL RATCHET BACKUP OVERRIDE



The mechanical ratchet ensures complete accessibility even in the event of a power failure (no operational downtime).

### STROBE LIGHT AND BUZZER



A safety alert buzzer, a visual signal and flashing notifications are provided prior to and during carriage movement.

## OPTIONAL SAFETIES

### IN-AISLE EMERGENCY STOPS

ALTERNATING AND OFFSET ON EACH SIDE OF AN AISLE. EN95 4-1 CATEGORY 1 COMPLIANT

### INDUSTRIAL PLC ON EVERY MOBILE

### LADDER SECURITY

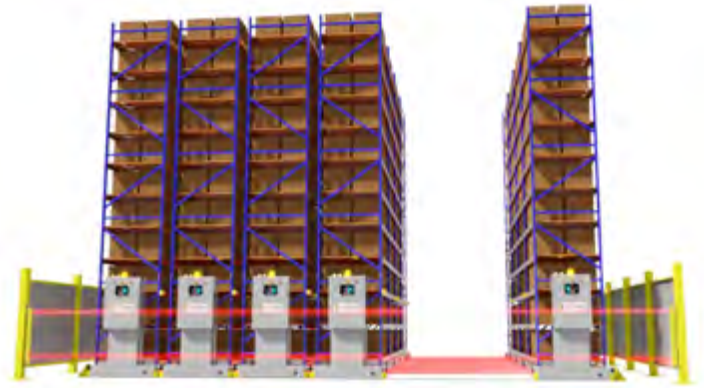
### KEYSWITCH

SECURITY PERIMETER  
ISO 13857 COMPLIANT

## aisle LED GUARD™ ADVANCED OPTIONAL SAFETY

# POWERED MOBILE STORAGE SYSTEMS

## SAFERAK® 32P | SAFERAK® 60P



## ADVANCED OPTIONAL SAFETY

### aisle LED GUARD™

COMPLETE AISLE-DETECTION PASSIVE SAFETY



**NOTE:** RECOMMENDED FOR PUBLIC ACCESS OR HIGH TRAFFIC AREAS.

aisle LED GUARD™ IS PATENTED.

### MONTEL REVOLUTIONIZES MOBILE STORAGE WITH AISLE LED GUARD™ FOR SAFERAK® 32P AND SAFERAK® 60P

Montel's powered mobile systems supplied with the advanced optional safety Aisle LED Guard™ passive safety adds a new dimension by continuously detecting the whole floor surface footprint of an aisle.

### THE WORLD OF HIGH-DENSITY STORAGE WILL NEVER BE THE SAME

Aisle LED Guard™ represents a major watershed moment in employee safety and shrinkage prevention for industrial storage used in day-to-day operations.

With nearly a century of mobile storage experience under its belt, Montel developed Aisle LED Guard™ to keep industries everywhere perpetually productive, cost-effective and employee-friendly. So, how does Montel's patented Aisle LED Guard™ work and why do those features matter to modern businesses?

### aisle LED GUARD™ IN A NUTSHELL

Mobile shelving and racking reduces storage footprints thanks to its collapsible architecture. However, in industries like manufacturing and logistics where processes move at lightning speed, thoughtlessly closing a mobile storage unit could pose a risk to both goods and workers.

LED sensors detect people and objects in open aisles. While aisles are in use or occupied, racking modules are locked in place, thereby protecting users from injury and stored materials from damage. Regardless of what you and your organizations stores Aisle LED Guard™ ensures no avoidable harm comes to any of it should it fall from your racking.

### SEEMS PRETTY STRAIGHTFORWARD, RIGHT? LET'S DIG A BIT DEEPER INTO AISLE LED GUARD™ TO FULLY UNDERSTAND HOW MONTEL DESIGNED THE PERFECT SAFETY PRECAUTION:

#### COMPLETELY PASSIVE

Aisle LED Guard™ is 100% passive. Users do not have to remember to locate and activate any safety devices when interacting with the mobile shelving or racking system. Even with fully loaded racking, Aisle LED Guard™ will protect users and objects left in the aisle without human intervention.

#### FULL COVERAGE

Where users stand in an open aisle will not impact the effectiveness of Aisle LED Guard™. When Montel customers invest in powered mobile shelving or racking systems supported by Aisle LED Guard™, they're putting their money into complete aisle coverage for consummate protection. No matter where a user are located in the aisle, no matter where in the aisle a product falls, no matter if a pallet is left in the aisle, the units will not close without complete clearance. With full coverage from LED sensors, Aisle LED Guard™ protects users and objects every step of the way.

#### FOOLPROOF DESIGN

Aisle LED Guard™ used in Montel products cannot be deactivated, overwritten or bypassed. No sequence of button mashing or reconfiguration will shut it down. Aisle LED Guard™ places mobile shelving installations in a constant state of vigilance.

#### IMPROVE PRODUCTIVITY

Operators can easily reset SAFERAK® remotely with the industrial rugged Wi-Fi remote control. Users won't have to step out of their forklifts to reset the system.

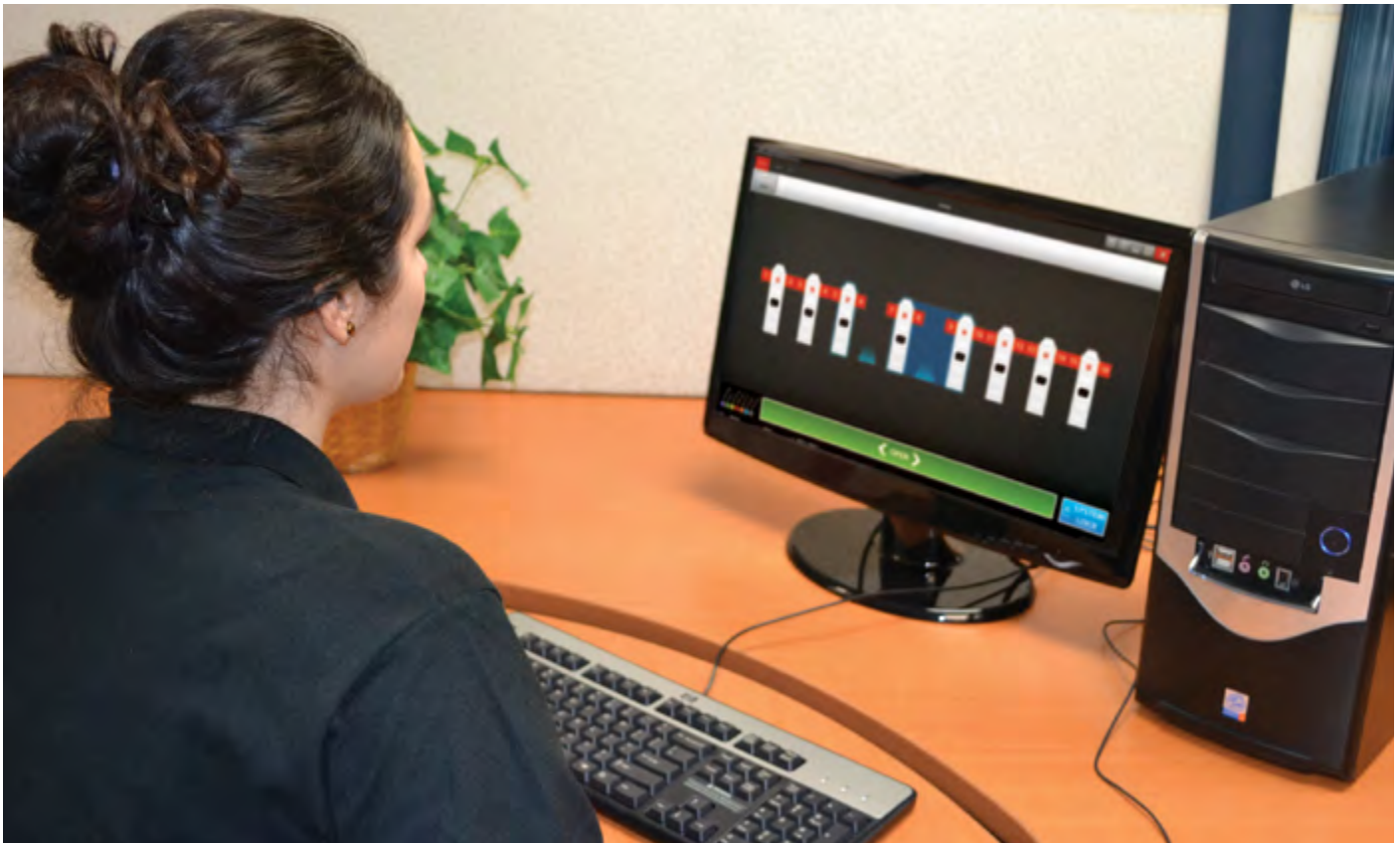


PRODUCTIVITY & TECHNOLOGY

# ePulse™ REMOTE MONITORING SOFTWARE

INCREASE PRODUCTIVITY  
WIRELESSLY

PAIRS WITH  
SMARTSPACE 2P  
SAFEAISLE®  
RACK&ROLL 16P  
SAFERAK® 32P  
SAFERAK® 60P





## INCREASE PRODUCTIVITY WIRELESSLY

Created to provide additional certainty and safety monitoring once Montel's high-density powered mobile storage systems are installed, Montel now offers ePulse™. This remote monitoring & configuration software has the functionality of providing the capability to manage settings remotely and monitor your high-density powered mobile system's performance and operations with assurance. If remote network connectivity access to Montel is granted, certified technicians could monitor and configure your system remotely from their own location.

For maximum reliability and peace of mind, ePulse™ proactively identifies any potential issues with your system, provides quick diagnostics of the system to maximize your uptime, sends automatic email notifications of system errors. You could even decide to monitor and configure your own Montel powered mobile system 24 hours a day, every day of the year.

To increase productivity & efficiency, ePulse™ allows to collect aisle entry data for any preset period of time from your Montel powered mobile system. Once this data is analyzed for each aisle, ePulse™ permits to reconfigure your powered mobile system to your preferred settings and parameters including:

- Priority Aisle
- Auto-Closing/Security Park
- Auto-Spacing/Ventilation Park
- Auto-Cycling
- Programmable Speeds (start-up/cruising/braking)
- Sequential Move, Block Move

For additional security, with the collected & analyzed aisle entry data from your powered mobile system, ePulse™ allows to reconfigure the security settings of your system at anytime. Whether it be adjusting the programmable speeds, or remotely configuring your system to close all aisles and lock at a specific time after business hours, or open and unlock before business hours, ePulse™ offers security with peace of mind.

Montel powered systems can be operated remotely from the fingertips on your computer with the ePulse™. The TCP/IP protocol facilitates the network connectivity from a computer to the Montel powered system. This provides reliable high-speed communication, and permits remote reconfiguring of your system using the ePulse™ remote monitoring & configuration software.

Montel's ePulse™ remote monitoring & configuration software is available with SmartSpace 2P, SafeAisle®, RACK&ROLL 16P, SAFERAK® 32P, SAFERAK® 60P.

# HONDA DEALERSHIP ENHANCES ITS STORAGE SPACE WITH SMARTSHELF®

WHEN THIS HONDA DEALERSHIP PROCEEDED WITH EXPANDING ITS COMMERCIAL FACILITY TO ACCOMMODATE BUSINESS GROWTH, SPACE OPTIMIZATION AND STORAGE UTILIZATION WERE KEY CONCERNS THAT NEEDED TO BE TAKEN IN CONSIDERATION.







SMARTSHELF®  
SHELVING SYSTEM

“ SmartShelf® flexibility and adaptability characteristics helped our Honda dealership reduce product storage costs ”

## CHALLENGES

Challenged with these space concerns, the objective of the management team was to consolidate the storage of automobile supplies, parts and equipment in a user-friendly client environment for a quick and efficient customer service. After identifying and analyzing storage needs and space availability, Montel's storage professionals proposed its new flexible and innovative hybrid 4-Post shelving system, SmartShelf®.

## SOLUTIONS

Designed to be easily configured and reconfigured corresponding to the dimensions and weights of Honda's current and future product storing needs, SmartShelf® allowed the service department technicians to store more, while considering a more efficient storage approach.



TIRE STORAGE ON MONTEL RACK&ROLL 16MA MOBILE  
RACKING SYSTEM AT ACURA DEALERSHIP



# WE BUILD SATISFACTION

Since 1924, Montel has pioneered high-density mobile storage systems providing cost-efficient storage solutions using less space.

## CUSTOM-BUILT FOR YOUR INDUSTRY

WE'VE MANUFACTURED AND INSTALLED THOUSANDS OF PROJECTS AROUND THE WORLD.



MOBILEX® MECHANICAL-ASSIST MOBILE SYSTEM WITH 4D WIDE SPAN RACKING



SMARTSHELF® 4-POST HYBRID SHELVING SYSTEM



SAFEAISLE® POWERED MOBILE SHELVING SYSTEM



SAFEAISLE® POWERED MOBILE SHELVING SYSTEM



MOBILEX® MECHANICAL-ASSIST MOBILE SHELVING SYSTEM



SAFERAK® POWERED MOBILE RACKING SYSTEM FOR COLD STORAGE

## WHAT ELSE DO WE DO?

STORAGE SOLUTIONS THAT HELP YOU TO GROW FROM THE INSIDE, OPTIMIZE AND GET RESULTS.



HEAVY-DUTY MOBILE RACKING SYSTEMS



SHELVING SYSTEMS



INDUSTRIAL MODULAR DRAWERS



CABINETS



WORKBENCHES



HANGING STORAGE SCREENS & PANELS

# WHY CHOOSE MONTEL STORAGE SOLUTIONS?

SAVE SPACE | SAVE TIME | SAVE MONEY



## GET RESULTS FROM YOUR SQUARE FOOTAGE: FAST ROI

Save up to 50 % of your value generating space.



## WORK WITH STORAGE-SAVVY EXPERTS

We manufacture the one and only solution. The best one.



## TOTAL OFFER CUSTOMIZED TO YOUR NEEDS

We will go to any length, depth, width, height, and weight.



## BETTER ORGANIZE YOUR SKUs

Gain productivity while inventory management & security are improved.



## MEET YOUR ENVIRONMENTAL OBJECTIVES

Minimize your environmental impact by reducing your footprint.

# OUR MISSION

**THE EMPLOYEES OF MONTEL SET OUT A VERY PERSONAL OBJECTIVE: BUILD THE BEST STORAGE SYSTEMS IN THE WORLD.**

Their talent, commitment and dedication have been put to the test numerous times.

At Montel, client satisfaction is an ongoing priority. Our highly competent Authorized Montel Distributors are specialists in providing turnkey project solutions including space planning, design and floor loading consulting services, and factory certified system installations. They are also committed to providing a high level of professionalism and an outstanding customer service before and after the sale.

## MONTEL INTERNATIONAL PRESENCE



**68**  
COUNTRIES

**MONTEL ACHIEVED PRESTIGIOUS REALIZATIONS IN MORE THAN 68 COUNTRIES**

**65**  
DISTRIBUTORS

**65 AUTHORIZED MONTEL DISTRIBUTORS AROUND THE WORLD**

**SINCE**  
**1924**

**MORE THAN 9 DECADES OF INNOVATIVE STORAGE SOLUTIONS**



# WHY MONTEL? OUR OFFER IS COMPLETE!



## CERTIFICATIONS & STANDARDS

For the most recent version of this document, please go to the Montel website at [www.montel.com/en/design-center](http://www.montel.com/en/design-center). In case of discrepancy, the web version takes precedence over any printed literature.

**MONTEL®**  
Intelligent Use of Space

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