HI-BAY MOBILE

HIGH-DENSITY STORAGE SYSTEMS

MONTEL®
Intelligent Use of Space

TAKE OFF-SITE STORAGE TO A NEW LEVEL

HI-BAY
MOBILE

MAXIMIZE STORAGE CAPACITY

Over the years of designing storage applications for a broad range of markets, Montel has developed a full line of high-density storage systems that will address your operation priorities: save energy, optimize space, maximize storage and improve security. Our horizontal and vertical high-density storage solutions will provide for a more organized facility that will increase workflow and productivity.

SPACE-EFFICIENT OFF-SITE HIGH-BAY STORAGE SYSTEMS SOLUTIONS IDEAL FOR:

- NATIONAL, STATE, AND PROVINCIAL ARCHIVE RECORD CENTERS
- UNIVERSITY LIBRARIES
- PUBLIC LIBRAIRIES
- OFF-SITE DEPOSITORIES

HI-BAY OFF-SITE STORAGE SYSTEM

HI-BAY MOBILE OFF-SITE POWERED STORAGE SYSTEM

## MOBILIZE IT! MAXIMIZE YOUR SQUARE FOOTAGE

Eliminate the need for multiple space-wasting static aisles and use the total potential of your vertical and horizontal space with HI-BAY MOBILE high-density storage solutions.
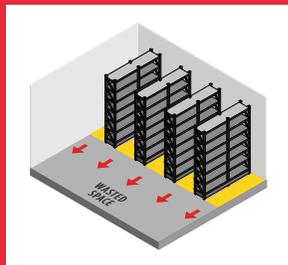
STATIC RACKING
SPACE-WASTING STATIC AISLES
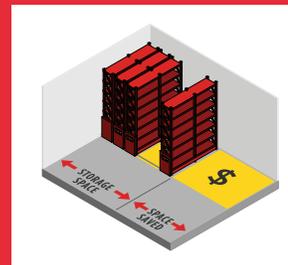
MOBILE RACKING
50% FREED UP SPACE
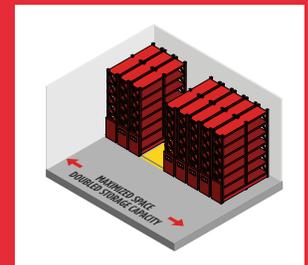
MOBILE RACKING
100% GREATER STORAGE CAPACITY
DOUBLE STORAGE CAPACITY

MAXIMIZE VERTICAL AND HORIZONTAL SPACE


FIRE PROTECTION COMPLIANT

REDEFINING SPACE AND COST EFFICIENCY

Go off-site storage with HI-BAY high-density storage solutions and use on-site space for more valuable and profitable functions, more space for students to work, group work rooms, tables for individual work, etc.

OPTIMIZED OFF-SITE MOBILE SPACE AND COST EFFECTIVENESS

HI-BAY shelving can also be mounted on powered mobile carriages providing much more storage capacity, or the same storage capacity in half of the space.
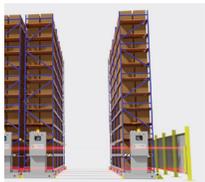
BEST-IN-CLASS SAFETIES

Compliant with Rated Machine Safety Standards and compatible with the exclusive and patended Montel *Aisle LED Guard Technology™*, HI-BAY MOBILE is the industry's safest off-site and on-site storage system.

NFPA 13 COMPLIANT

HI-BAY systems are in compliance with NFPA 13 requirements since provided with 3" transverse flue space and 6" longitudinal flue space. A fire barrier is also supplied between each upright frame.

FLEXIBILITY & ENGINEERED DURABILITY

HI-BAY shelving systems from Montel offer unique features for optimal flexibility and structural integrity.

LEED CERTIFICATION CONTRIBUTION

Contributes directly to individual LEED points as HI-BAY MOBILE conserves space and energy while obviously reducing your construction, operating and energy costs (up to 16 points).

HI-BAY MOBILE
POWERED STORAGE SYSTEM

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.

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. Push a button on the powered system control to open the desired aisle.

MODES OF OPERATION

Powered mobile storage system control.

Powered mobile storage system control with PIN for restricted access.

LCD touchscreen tablet control with or without PIN. Limitless customized displays.

SPACE WASTING STATIC AISLES

$ $ $

WASTED SPACE CONVENTIONAL FIXED RACKING LAYOUT.

Conventional storage systems require space-wasting fixed aisles.

50% **FREED UP SPACE** $

SPACE SAVED MOBILE STORAGE LAYOUT

Montel's high-density storage systems save up to 50% of your floor space in most cases, and accommodate growth for other uses.
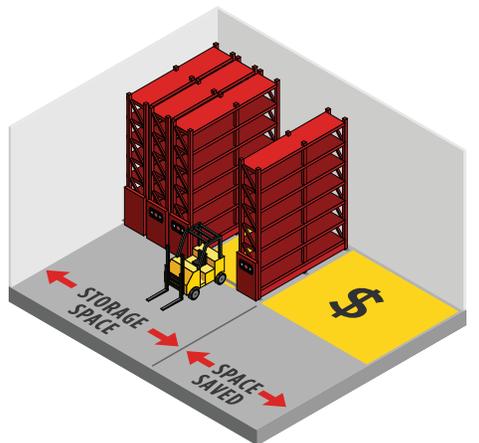
100% **GREATER STORAGE CAPACITY** $

DOUBLED STORAGE CAPACITY. MAXIMIZED SPACE MOBILE LAYOUT.

100% greater storage capacity within the original floor space, eliminating the need for a costly expansion or the construction of a new facility.

WASTED SPACE

STORAGE SPACE

SPACE SAVED

MAXIMIZED SPACE DOUBLED STORAGE CAPACITY
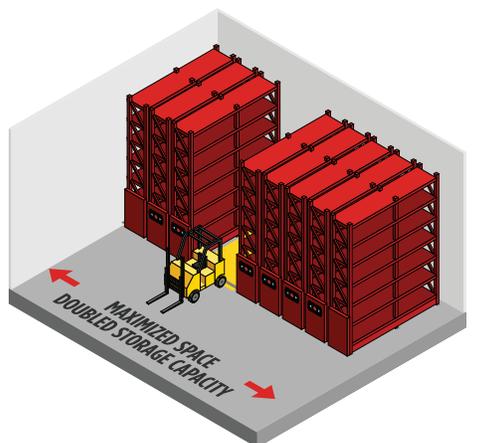
INCREASE PRODUCTIVITY WIRELESSLY

Wi-Fi

e Pulse™

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.

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.

PROGRAMMABLE AISLE AUTOMATED FEATURES

Users can increase their efficiency by configuring a specific priority aisle(s). While accessing an infrequently used aisle, HI-BAY MOBILE shelving automatically repositions the system to your designed predetermined aisle(s).

REMOTE CONTROL

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

5

SAFETIES

POWERED
MOBILE STORAGE SYSTEMS
HI-BAY MOBILE

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 HI-BAY MOBILE.

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 *PATENT #9,507,050*

POWERED
MOBILE STORAGE SYSTEMS
HI-BAY MOBILE
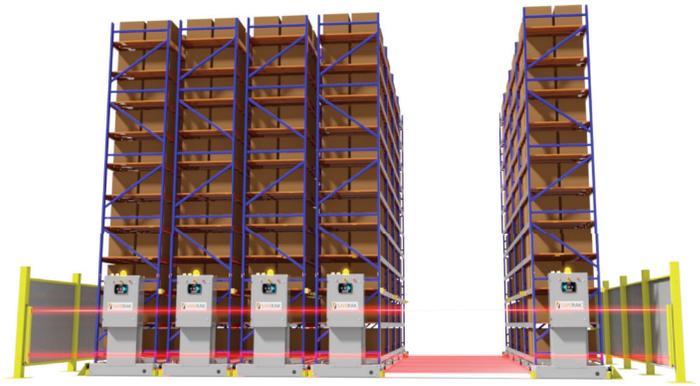
ADVANCED OPTIONAL SAFETY

AISLE LED GUARD™
COMPLETE AISLE-DETECTION PASSIVE SAFETY

NOTE: RECOMMENDED FOR PUBLIC ACCESS OR HIGH TRAFFIC AREAS.   *Aisle LED GUARD™*. Patent #9,507,050

MONTEL REVOLUTIONIZES MOBILE STORAGE WITH *AISLE LED GUARD™* FOR HI-BAY MOBILE

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 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.

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 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 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 HI-BAY MOBILE remotely with the industrial rugged Wi-Fi remote control. Users won't have to step out of their forklifts to reset the system.

WE BUILD SATISFACTION

Since 1924 Montel 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 WITH **4D** WIDE SPAN RACKING

SMARTSHELF 4-POST HYBRID SHELVING SYSTEM

SAFEAISLE® POWERED MOBILE SHELVING SYSTEM

SAFEAISLE® POWERED MOBILE SHELVING SYSTEM
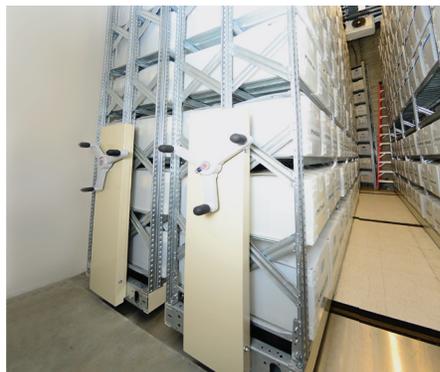
MOBILEX® MECHANICAL-ASSIST MOBILE SHELVING SYSTEM
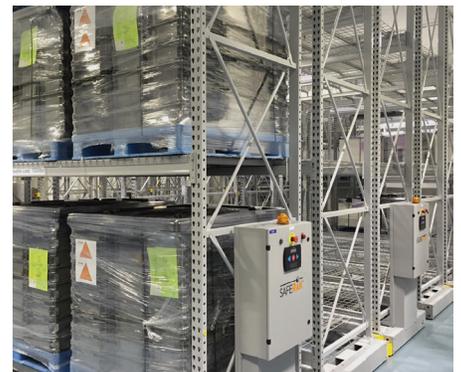
SAFERAK® POWERED MOBILE RACKING SYSTEM FOR COLD STORAGE

WHAT ELSE DO WE DO?
STORAGE SOLUTIONS THAT HELP YOU TO GROW FROM THE INSIDE, OPTIMIZE AND GET RESULTS.

MOBILE STORAGE SYSTEMS

SHELVING SYSTEMS

INDUSTRIAL MODULAR DRAWERS

CABINETS

WORKBENCHES

HANGING STORAGE SCREENS & PANELS

WHY CHOOSE MONTEL INDUSTRIAL STORAGE SOLUTIONS?

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 or height.

BETTER ORGANIZE YOUR SKUs

Gain productivity while inventory management & security are improved.

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

HI-BAY
MOBILE

CERTIFICATIONS & STANDARDS

M**ISO**NTEL
9001

M**ISO**NTEL
14001

UL®

CONTINUING EDUCATION
AIA

CANADA GREEN BUILDING COUNCIL
MEMBER
CONSEIL DU BÂTIMENT DURABLE DU CANADA

SUPERIOR SEISMIC-RESISTANT PRODUCTS

ADA COMPLIANT

FIRE PROTECTION COMPLIANT

SUPERIOR SAFETY RECORD

AUTOCAD COMPATIBILITY
R A
REVIT MODELS

SUPERIOR WARRANTY

RATED MACHINE SAFETY STANDARDS
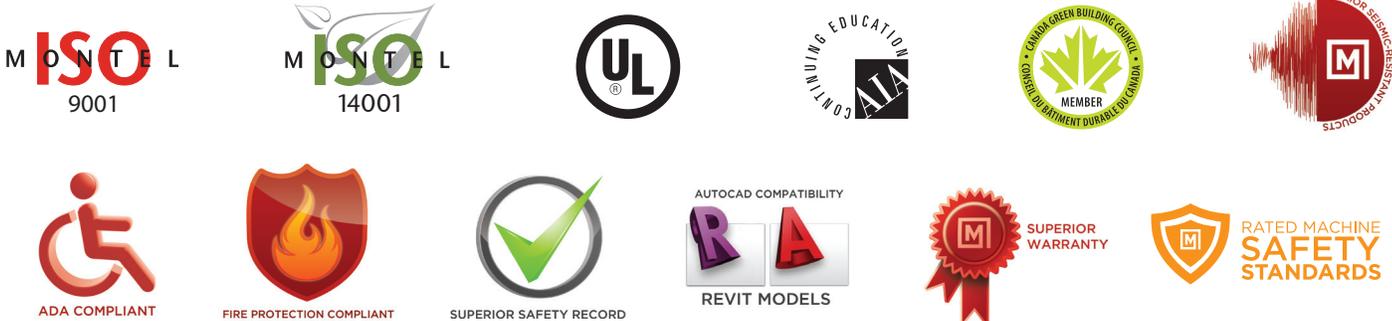
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MONTEL®
Intelligent Use of Space

877-935-0236
info@montel.com
www.montel.com