



# IRONguard

Protecting Your People

## The MARC

**The MARC - Maintenance and Retrieval Cart.**

The safe and cost-effective solution to prevent unsafe entry into high density racking systems.



# YOUR COMPANY UTILIZES HIGH DENSITY STORAGE RACKING...

■ Push Back ■ Double Deep ■ Pallet Flow  
■ Radio Shuttle ■ AS/RS

## How do you...

Clear debris, stuck pallets, and product?

Perform regular inspections at height?

Conduct maintenance, adjustments, and repair?

## Do you...

Have a system to deal with these occurrences?

Allow operators to access high density racking without an engineered anchor point?

Provide operators with tools to extend their reach inside the area?

Apply leverage to the stuck load while on an aerial work platform?

## Did you know....

Any dislodged material, pallets, or obstructions beyond one pallet deep are extremely dangerous to access.

In 2014, falls to lower level accounted for

**651 fatal work injuries.**

This represents a 12% increase over 2013.

Source: US Bureau of Statistics - 2015



## DID YOU KNOW....

- Aerial work platforms are not designed for any significant lateral loads.
- Safety mesh is not designed for standing or walking on.
- Lift truck safety cages are contrary to safe practices for these tasks.
- Racking structures are not designed for operator access.
- **You must have an engineered anchor point for tie off. Racking structures do not provide this.**

If you perform regular rack inspections for system integrity and damage at floor level, you also need to perform the same inspections at height.

**14%** of all fatal occupational injuries occurred as a result of a fall to a lower level.

Source: US Bureau of Statistics - 2015

## WHAT IS THE COST?

Worker Injury or Death	Unimaginable
Management Liability	\$ _____
Crisis & Trauma Management	\$ _____
Insurance Costs	\$ _____
Investigation Costs	\$ _____
Re-training	\$ _____
Publicity	\$ _____
Productivity Loss	\$ _____
Equipment Replacement/Repair	\$ _____
Legal Costs	\$ _____
Cleanup Costs	\$ _____

**TOTAL** \$ \_\_\_\_\_

Bottom Line: **What is your risk exposure?**





creates an engineered safe zone

## Here's how it works:

- Load the MARC into the affected area using your existing MHE.
- Operators transition to the MARC from an approved aerial work platform.
- The MARC travels the full distance of the high density rack system. This creates an engineered safe zone within operator reach of the affected area.

FAILURE TO FOLLOW THIS GUIDELINE CREATES AN UNNECESSARY RISK OF CATASTROPHIC INJURY BOTH TO THE OPERATORS LOCATED AT HEIGHT AND ON THE GROUND.



## THE MARC FAMILY OF SOLUTIONS



**MARC-DD**  
For Double-Deep Applications



**MARC-UL**  
For Automated Storage and Retrieval Applications (AS/RS)



**MARC-PB**  
For Push-Back Applications



**MARC-LIFT**  
MARC combined with a Lift-a-Loft



**MARC-RS**  
For Radio Shuttle Applications



**MARC-PF**  
For Pallet-Flow Applications



### Removable Canopy

The canopy provides overhead impact protection to operators while 'driving'. It is easily removed to provide overhead access.

### 42" High Perimeter Safety Rail

and latching safety gate.

### Engineered Anchor Points

provided at 4 locations.

### Standard MHE Lift Truck Pockets

### Checker Plate Floor



### 18 VDC Drill Drive

The MARC includes as standard one Makita 18VDC drill, one 110VAC charging station, and two batteries.



CORDLESS DRILL  
DRIVE SYSTEM

### Capturing Devices

The capturing devices are engaged when in the stationary or 'work' position.

**MARC-PB**

For Push-Back Applications

## NEXT STEPS

■ Facility Inspection

■ Product  
Demonstration

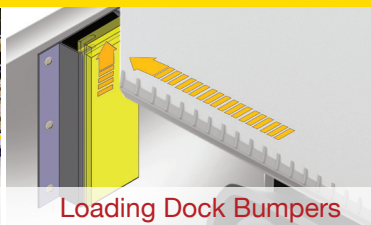
■ Safety Committee  
Meeting

■ Feedback

## MORE SAFETY SOLUTIONS:



Forklift Safety Products



Loading Dock Bumpers



Wheel Chock Safety Systems



PowerTower Aerial Platform



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