

**SBS**  
STORAGE BATTERY SYSTEMS, LLC

**POWER**  
CHANGER™



*The Power  
of Change*™



**MTC**  
SINCE 1946

**MATERIALS  
TRANSPORTATION  
COMPANY**™

An Employee Owned Company

## *No need for empty slots with this two compartment Power Changer™*

The MTC Single-Level Power Changer is the perfect machine for those facilities requiring 10-100 lift truck battery changes per day. The two compartment design of this Power Changer allows you to maximize 100% of your rack space and allows operators to remove and replace a discharged battery quickly and efficiently. This medium volume changer is equipped with a 5-HP motor



and is capable of loaded travel speeds ranging from 0-150 fpm.

The variable-speed, electric drive of this changer allows for fast, efficient battery changes that average less than two minutes. This changer is also equipped with a powerful vacuum extraction system that allows for reliable, powerful, and consistent battery attachment. The exclusive carriage equalization system found on this changer assures positive leveling regardless of battery load distribution. By eliminating the safety concerns and labor costs involved with overhead battery systems, this machine can easily justify its existence in any facility. For more information, contact your authorized MTC representative and ask for the current Single-Level Power Changer specification sheet.

Consult factory for special applications.

### **F E A T U R E S**

Powered Vacuum or Magnet Extraction

Electric Brake Motor Drive  
by SEW-Eurodrive

Deadman Operator Platform

Five Powered Rollers per Battery Compartment

Vacuum Arm Safety Lockout

### **B E N E F I T S**

Provides reliable, powerful, and consistent battery attachment

Assures smooth starting and stopping with precision control

Ensures safety by allowing operation of the changer only when operator is standing on the platform

Promotes smooth battery handling and reduces the time required to complete battery changes

Protects vacuum arm by preventing changer movement when extractor arm extends beyond carriage frame



# PCHE Series Single-Level Application Photos



The Single-Level Power Changer system shown above is a perfect example of how MTC can design a safe and efficient battery system tailored for your specific application. As the leader in the battery changing industry, MTC knows the importance of designing systems that are both cost effective and functional in battery room environments.



The exclusive MTC Adjust-A-Racks™ shown here are the only fully adjustable and modular battery stands on the market today. Each single level Adjust-A-Rack is equipped with heavy-duty slide strips and bolt-on rollers that adjust to accommodate virtually any size battery. The ability of these stands to adjust and grow with your battery system is what sets them apart from the standard welded racks offered by others.



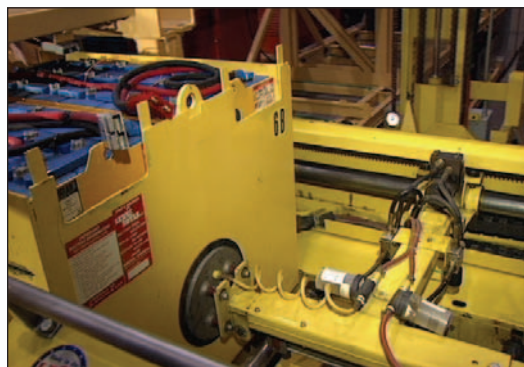
# PCHE Series Multi-Stacking Power Changers™

## Save valuable floor space with multi-level charging

The MTC Multi-Stacking Power Changers are designed for high-capacity applications requiring 20-250 battery changes per day and for facilities where floor space is limited. The superior design features of these changers ensure reliability and operating efficiency over the life of your battery changing system.



Double stacking system



Equipped with a 15-HP motor, these battery changers travel loaded at a maximum speed of 170 fpm and have a maximum lifting speed of 24 fpm. The simultaneous travel and lift function of these changers allows for fast, efficient battery changes that average less than two minutes. These changers are also designed with both equipment and operator safety in mind. For example, the standard PLC controlled battery safety stops and deadman operator platform keep both the operator and surrounding personnel safe during battery changes. The MTC Multi-Stacking Power Changers are available in double, triple, and quad stacking models. To learn more about these incredible battery changers, contact your authorized MTC representative and ask for the current Multi-Stacking specification sheet.

Consult factory for special applications.

### FEATURES

- Double or Triple Stacking of Batteries
- Electric Brake Motor Drive by SEW-Eurodrive
- Simultaneous Travel and Lift
- Powered Vacuum or Magnetic Extraction
- PLC Controlled Battery Safety Stops

### BENEFITS

- Saves valuable facility floor space
- Assures smooth starting and stopping with precision control
- Greatly reduces the time required to complete a battery change
- Provides reliable, powerful, and consistent battery attachment
- Prevents the unintentional discharge of a battery from the Power Changer



# PCHE Series Multi-Stacking Application Photos



MTC Multi-Stacking Power Changers™ like the one shown above offer three important advantages. First, these systems take up less valuable floor space. Second, these systems allow you to increase the capacity of your existing battery room without incurring the cost of additional construction. Third, every MTC system incorporates safety features designed to keep both the operator and surrounding personnel safe during battery changing. These three features can easily justify a Multi-Stacking system's existence in almost any facility.



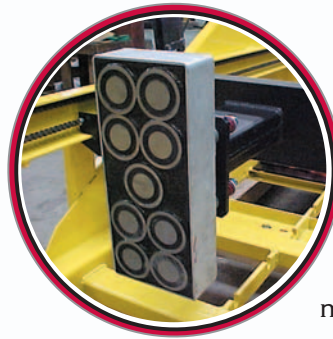
Operator shown connecting water system to battery

The operator platform of the MTC Power Changer is designed with operator comfort and safety in mind. The floor of the platform is cushioned with anti-slip padding and hand grips are provided for the operator to use during battery changing. The platform also raises and lowers with the battery changer carriage, providing a clear view of the changer's compartments and allowing operators to easily access charger connectors located on multiple rack levels.



## The largest system for the most rugged applications

The MTC model PCE Power Changers are the “ultimate” high volume battery changers. With their Uni-Lift™ rack and pinion raise/lower system, the MTC model PCE Power Changers are the “ultimate” high volume battery changers. With their UniLift™ rack and pinion raise/lower system, these changers are the only machines on the market today that allow you to take maximum advantage of today's warehouses by stacking batteries up to six levels high.



### Magnetic Option:

A powerful battery-changing solution for those who prefer to use magnetic extraction.



Triple stacking system featuring a PCE-2-32-TS-V-SG

The superior design and construction of these changers allows them to operate efficiently in the most rugged battery changing environments. Every PCE series Power Changer is equipped with dual electric lift and drive that provides a maximum loaded travel speed of 180 fpm and a maximum lifting speed of 21 fpm. The simultaneous travel and lift feature of these changers allows for fast, efficient battery changes that can average approximately two minutes. With models available ranging from two levels to six levels, these Power Changers are perfect for facilities where floor space is extremely limited. The standard PLC controlled battery safety stops and deadman operator platform keep both the changer operator and surrounding personnel safe during battery changes. For more information on these Power Changers, contact your authorized MTC representative and ask for the current PCE specification sheet.

Consult factory for special applications.

### F E A T U R E S

- Computer Controlled Dual Motor Electric Lift
- Uni-Lift Rack and Pinion Raise/Lower System
- Powered Vacuum or Magnetic Extraction
- 7.5-HP Electric Drive
- Operator Platform Raises with Battery Carriage

### B E N E F I T S

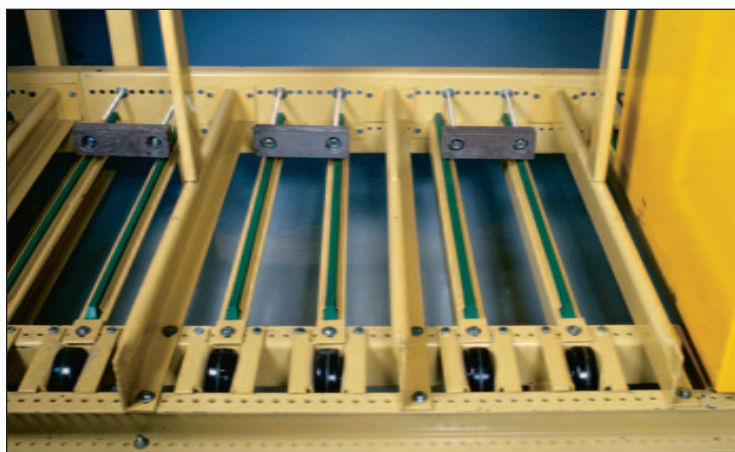
- Provides optimum speed and control for handling high volume applications
- Provides smooth and consistent raising/lowering of battery changer carriage
- Provides reliable, powerful, and consistent battery attachment
- Allows quick yet smooth travel
- Allows easy access to charger connectors located on multiple rack levels



# PCE/PCHE Multi-Stacking Application Photos



MTC is the only changing equipment company capable of stacking batteries from two to six levels high. The ability to stack batteries on several levels allows you to save valuable floor space that can be used for warehousing, manufacturing, and generating profit. The space savings afforded by MTC's Multi-Stacking systems can easily justify their existence in almost every facility.



The fully-adjustable multi-level MTC Adjust-A-Racks are designed to adapt to your battery system's changing needs. As the size of batteries in your system changes, additional battery slots are created by simply adjusting the individual battery compartments to accommodate the new batteries. These racks are also designed to house rear, top, and side charger shelves allowing you to maximize the space available for battery

changing. The heavy-duty slide strips and bolt-on rollers used with all of MTC's Adjust-A-Racks provide smooth battery placement and removal, and are designed to hold batteries securely in place during charging. Also important are the adjustable battery backstops that keep all your system's batteries at the front of the racks for easy battery retrieval.

## ***Hydraulic Extension Arm***

The optional MTC Hydraulic Extension Arm is designed to allow access over the widest lift truck outriggers. The heavy duty design and construction of this extension arm provides reliable and consistent battery retrieval and placement.





# **POWER CHANGER**<sup>TM</sup>

Bulletin PC-1006

## *Cost Justification*

Many methods of cost justification have been used by various companies installing MTC systems. Some companies justify their costs in terms of safety and the overall reduction in labor costs. Others justify our systems based solely on the cost of side extraction versus overhead extraction and the overall square footage needed by each system. However, every system needs to be evaluated individually in order to assure that all of the variables for a specific application have been considered. Cost justification assistance can be provided by an MTC representative.

Specifications subject to change without notice.



## *Catwalk System*

Certain applications lend themselves toward the addition of a catwalk system similar to the one shown here. For those types of applications, MTC can provide a high-quality catwalk specifically designed to meet the needs of the system. Each MTC catwalk meets OSHA standards and contains an anti-skid walkway and removable hand rails.

# *The Power of Change*<sup>SM</sup>



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## **MATERIALS TRANSPORTATION COMPANY**<sup>TM</sup>

**An Employee Owned Company**



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