

# **PROSERIES**®

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THE NEXT GENERATION OF BATTERY HANDLING EQUIPMENT



## BATTERY HANDLING EXPERTISE



SUPPORTING YOUR OPERATION



COMMITTED TO QUALITY EVERYWHERE FOR EVERYONE. Whatever the size of your battery fleet, PRO Series<sup>®</sup> battery handling solutions can help you streamline your battery changing operation with a safe, productive and cost-efficient system.

#### **COMPREHENSIVE SUPPORT:**

From initial design and engineering to installation and project management, PRO Series<sup>®</sup> battery handling solutions cover all your battery charging and changing needs.

#### **CUSTOM SYSTEM DESIGN:**

Using advanced CAD software, we create systems tailored to your business requirements.

#### **SAFETY COMPLIANCE:**

All solutions comply with health and safety regulations.

#### **EASE OF OPERATION:**

Enjoy industry-leading safety and operational ease with our equipment.

#### **EXPERT IMPLEMENTATION:**

Backed by skilled design and installation teams, we ensure seamless project execution.

#### **OUR PARTNERSHIP WITH CARNEY BATTERY HANDLING LTD**

Since 1984, Carney Battery Handling Ltd has globally provided EnerSys<sup>®</sup> with turnkey battery room solutions, sharing our mission to innovate, design, and create quality-critical battery room solutions.

With an emphasis on quality and safety, all our equipment is rigorously tested for real-world environments ensuring its readiness to meet the demands of any application.

We provide dedicated support across EMEA countries, delivering tailored engineering and design solutions, individualized for every customer.



## PRODUCT CATEGORIES

# **PROSERIES**®

#### THE NEXT GENERATION OF BATTERY HANDLING EQUIPMENT

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#### MANUAL EXTRACTORS

Engineered for safe, effective and effortless manual battery changes, our Manual Battery Extractors are the cost-effective solution for small fleets.

#### BATTERY TUGGERS

The EnerSys<sup>®</sup> BTE battery handling equipment is unrivaled, compact and lightweight. Our Battery Tuggers maneuver forklift truck batteries at the touch of a button.



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The BBE and BBH (fully electric or hydraulic) battery handling equipment is one of the few options for high-volume transfer carts offering new levels of reliability and safety.

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PROSERIES

#### FULLY AUTOMATED SYSTEMS

Automation is an investment for distributors, retailers and industry leaders alike, giving a fantastic return on investment. Our proven systems meet all of the toughest industry standards.

#### BATTERY STANDS

Our comprehensive range of single, double, triple & quad roller beds and battery stands have proven to be the industry standard in dependable and robust design.

#### SPECIALTY PRODUCTS

Backed by 35 years of industry expertise, EnerSys<sup>®</sup> has led the industry with exclusive material handling products that solve real-world problems for real-world leaders.



Below is a top-level comparison to help you choose the battery handling equipment system best suited for your requirements.

#### **PRO SERIES® BATTERY HANDLING SOLUTIONS**

Category	Fleet Size	Capacity	Warranty	Application/ Operation	Features	Benefits
Manual Change Cart (MCC)	Small fleets (up to 30 batteries)	1587 kg	1 year	Low-volume, manual battery changing	Dual roller beds, acid-resistant coating, manual hydraulic lift, cost-efficient	Cost-effective for small operations; easy to operate; ensures worker safety with safety stops and stable design.
Rolling Transfer Cart (RTC)	Small fleets, low volume	1814 kg	1 year	Transport or storage of lighter batteries	Compact, manoeuvrable, acid- resistant coating, safety stops	Simplifies battery transport in tight spaces; reduces operator fatigue with smooth manoeuvrability.
Universal Tugger Electric (UTE)	Low to medium fleets	2268 kg	1 year	Universal battery extraction for mixed fleets	Fully electric, adaptable roll- out heights, customizable, economical	Reduces downtime with universal compatibility; long-term durability with robust design and warranty.
Battery Tugger Manual (BTM)	Small fleets	1451 kg	1 year	Low-volume manual battery handling	Compact, no forklift required, safety stops, integrated hand pump	Affordable solution for manual operations; increases safety with integrated brakes and safety stops.
Cobra Battery Tugger Electric (CBTE)	Small fleets, light-duty	1043 kg	1 year	Light-duty battery handling, pallet truck compatible	Variable speed joystick, compact, fully electric, damage-resistant	Reduces strain on workers with fully electric operation; minimal maintenance for cost efficiency.
EZ-Battery Tugger (EZBT)	Small-scale operations	1043 kg	1 year	Standalone, portable battery handling	Built-in battery and charger, positive braking, fully electric	Portable, standalone system; enhances safety by limiting direct operator contact with batteries.

Continued on the next page...

# WHICH SOLUTION IS BEST FOR YOU?

#### **PRO SERIES<sup>®</sup> MAN-ABOARD AND AUTOMATED SYSTEMS**

Category	Fleet Size	Capacity	Warranty	Application/ Operation	Features	Benefits
Battery Bull Electric (BBE)	High fleets (75+ batteries)	816 kg	1 year	High-density, high-volume battery handling	Fully electric, non-hydraulic, energy-efficient, compact design	Maximizes efficiency in high-volume operations; reduces servicing costs with energy-efficient design.
Battery Bull Hydraulic (BBH)	Medium fleets	816 kg	1 year	Medium-volume with hydraulic drive	Dual roller beds, auto-levelling system, 24/7 performance capability	Handles medium-volume tasks with speed and consistency; saves space with compact design.
Battery Bull Fully Automatic (BBE-FA)	High fleets, automated	816 kg	1 year	Fully automated, high-volume battery handling	No operator required, programmable AC power, detailed diagnostics, integrated safety systems	Eliminates labour costs; reduces errors with automation; ensures uptime with detailed diagnostics.
Mini Auto Changer (MAC)	Medium fleets, automated	816 kg	1 year	Automated handling for small fleets	AGV integration, ultra-low maintenance, self-diagnostics	Perfect for AGV integration; reduces downtime with low maintenance; customizable for unique needs.

#### **PRO SERIES® BATTERY STANDS AND SPECIALTY PRODUCTS**

Category	Fleet Size	Capacity	Warranty	Application/ Operation	Features	Benefits
Battery Roller Stands (BRS)	All fleet sizes	Customizable	10 years	Roller-based battery storage and transport	Acid-resistant rollers, adjustable legs, safety stops, multi-level options	Provides safe, efficient battery changes with adjustable options; protects investment with durable construction.
Stationary Battery Racks (SBR)	All fleet sizes	Customizable	1 year	Lift-out battery storage	Poly-coated rails, integrated ventilation, durable sealed design	Saves space with modular design; ensures safety with integrated ventilation and sealed rail system.
Hydraulic Gantry Cranes (HGC)	Medium fleets	2722 kg	1 year	Medium-volume specialty applications	Hydraulic lift, customizable configurations, electric floor travel	Enables safe, heavy lifting in constrained spaces; flexible configurations for tailored operation needs.

### MANUAL BATTERY HANDLING EQUIPMENT: MANUAL CHANGE CART (MCC)

#### EXTRACTORS

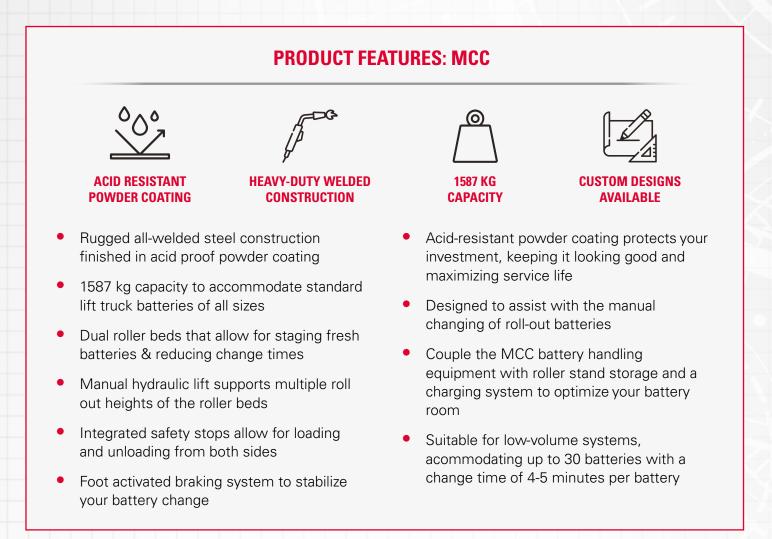
Perfect for infrequent battery changing or servicing, PRO Series manual battery extractors remain a low-cost-effective handling solution. Simplicity at its finest, our manual battery extractors are available in various heights and configurations to suit multiple applications, ideal for any traditional warehouse with minimal changing requirements.



# **MANUAL CHANGE CART**

Our Manual Change Cart (MCC) sits in guide channels, equipped with a hydraulic pump system that quickly raises and lowers the platform to support roller stands of varying roll-out heights. Expect quality and performance, right down to the floor lock. The MCC is specially engineered for safety, reliability, and performance.

These ultra-low maintenance machines are perfect for small operations requiring low-volume, efficient battery changing. The built-in dual roller beds allow for battery staging, reducing change times and ensuring that operators have access to a fresh battery for every change. The MCC battery handling equipment is widely acclaimed for its cost-efficiency in creating a solution to ensure operator safety.



## MANUAL BATTERY HANDLING EQUIPMENT: ROLLING TRANSFER CART (RTC)

# **ROLLING TRANSFER CART**

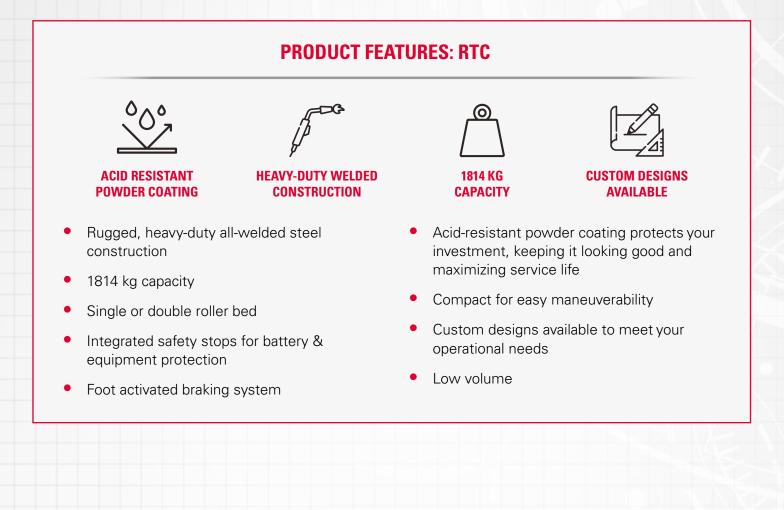
Designed to service or transport lighter batteries, the PRO Series Rolling Transfer Cart (RTC) is simplicity at its finest, built to withstand harsh environments.

Available in various heights and configurations to suit multiple applications, it's perfect for any traditional warehouse setting with minimal changing requirements.



The RTC is compact for easy maneuverability and outfitted with phenolic casters for lower rolling resistance.

This RTC is dependable and cost-effective, with durable, acid-resistant rollers to ensure long service life. In addition to its simplistic construction, the RTC is easy for employees to use and can be packaged with custom roller stands to help manage changing needs. It can also be used by itself to store a battery next to its charger and take the battery to the truck.



### **BATTERY TUGGERS:** UNI-TUGGER (UTE)

PRO Series Battery Tuggers have become the global standard in low to medium volume high-efficiency battery changing. The reliability and changing efficiency are second to none and unrivalled in today's battery-changing industry. All Tugger models are engineered with a fully welded, unibody construction, finished in premium acid-proof powder coating and come with a 1-year product warranty.



## **UNI-TUGGER**

The latest addition to our globally recognized Battery Tugger Electric series, the UNI-Tugger is outfitted with revolutionary roll-out height, the first of its kind, to accommodate forklift fleets with various battery and truck types.

Designed to amplify a standard pallet truck, with its linear actuator system and a powerful 8-pole electromagnet, the UNI-Tugger is the industry's first truly universal battery changer. This unit exemplifies versatility, making zero compromises on performance, perfect for operations with low to medium volume changing requirements or businesses looking to optimize their rental fleet with versatile material handling equipment. It's simply the best choice when operators need an economical battery changer that doesn't compromise on adaptability.

#### PRODUCT FEATURES: UTE LINEAR ACTUATOR FULLY ACID RESISTANT **5-YEAR ELECTROMAGNET ELECTRIC POWDER COATING** WARRANTY **SYSTEM** Unibody construction Acid-resistant powder coating protects your investment, keeping it looking good and 816 kg electromagnetic extraction or maximizing service life 1012 kg with 10 pole magnet upgrade Customizable colour 2268 kg capacity Complete battery room package available Automatic time-out Compatible with a variety of battery sizes & Fully electric roll-off heights Simple Controls for added operator safety

## **BATTERY TUGGERS:** BATTERY TUGGER ELECTRIC (BTE)

# **BATTERY TUGGER ELECTRIC**

Our traditional fully electric tugger, the Battery Tugger Electric (BTE), is available for customers requiring a customized battery changer. This unit is tailored to work with any fleet and built to accommodate specific battery sizes and roll-out heights.

The BTE extension limiter stops unnecessary strain on the electric motor, the operator control panel makes it user-friendly, and the wide range of custom sizes ensures a perfect fit for any battery fleet.

The built-in 816 kg electromagnet comes with a timeout function to ensure operator safety.

Available world-wide, the BTE is unrivaled in today's battery-changing industry.



### **PRODUCT FEATURES: BTE**



- Unibody construction
- 816 kg electromagnetic extraction or 1012 kg with 10 pole magnet upgrade
- Simple controls for added operator safety
- Automatic time-out
- Fully electric
- Emergency stop controls
- Acid-resistant powder coating protects your investment, keeping it looking good and maximizing service life



#### ACID RESISTANT POWDER COATING



#### 5-YEAR ELECTROMAGNET WARRANTY

- Electric Drive Push Pull System with damage free circuit breaker system allows for maintenance-free operation and reduces damage from misuse
- Complete battery room package available
- Operates on the truck's battery pack or industrial battery via a provided parallel jumper cable

## **BATTERY TUGGERS:** BATTERY TUGGER MANUAL (BTM)

# **BATTERY TUGGER MANUAL**

Inspired by the traditional hand pallet truck design, the Battery Tugger Manual (BTM) has been expertly engineered to operate the same way utilizing an optional braking system that eliminates pushback during the battery change.

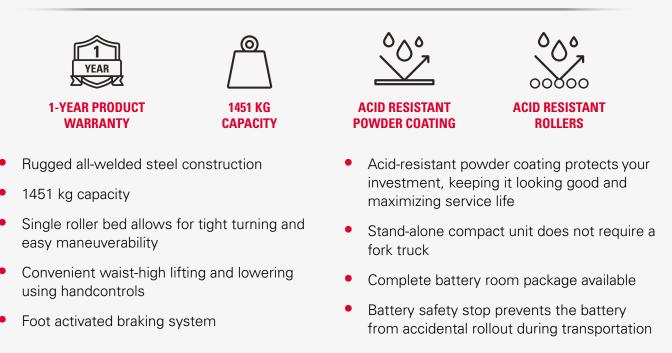
With this manual tugger, anyone can push a 1451 kg battery with minimal effort. Its single-pin steering mechanism makes the BTM operate like a hand pallet truck.

The compact unit offers convenient waist-high lifting and lowering using hand controls and includes an integrated hand pump jack to raise the roller bed to meet the height of most lift trucks.

Battery compartments are available in 24" or 36" configurations to accommodate generic, low-volume battery handling requirements.



#### **PRODUCT FEATURES: BTM**

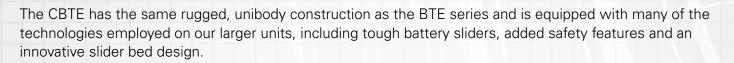


#### **BATTERY TUGGERS:** COBRA BATTERY TUGGER ELECTRIC (CBTE)

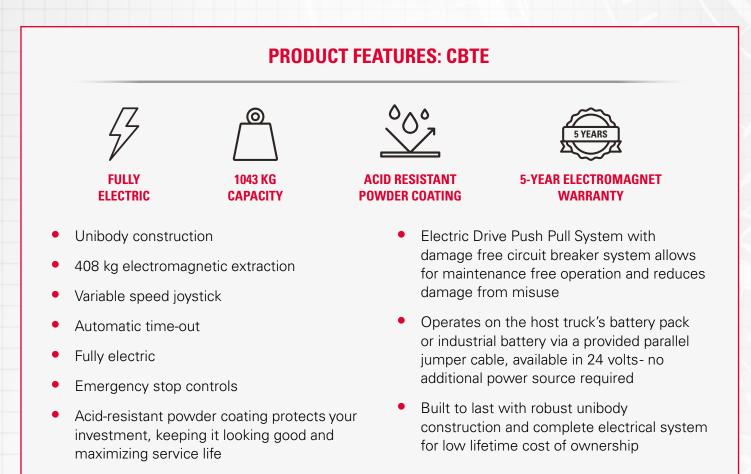
# COBRA BATTERY TUGGER ELECTRIC

Perfect for light-duty battery handling, the Cobra Battery Tugger Electric (CBTE) or Cobra Tugger (CT) can be mounted on a 24-volt pallet truck suitable for battery changes up to 1043 kg.

Keeping ROI and cost efficiency in mind, the CBTE battery handling equipment has a fully electric drive system and robust 408 kg electromagnet extraction.



Couple your CBTE with matching light-duty roller stands to complete any battery room.



## **BATTERY TUGGERS:** EZ-BATTERY TUGGER (EZBT)

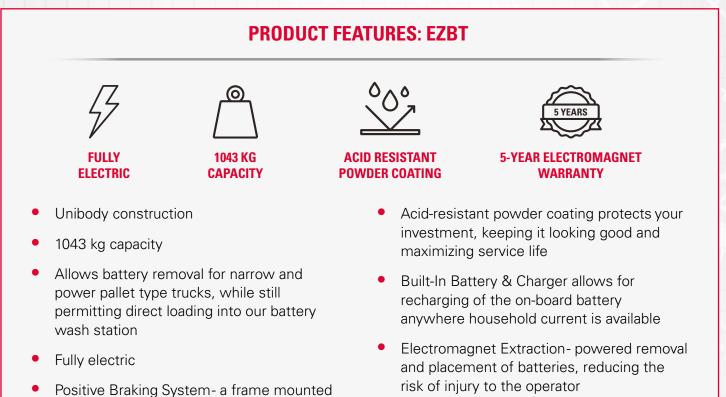
# **EZ-BATTERY TUGGER**

The EZ-BatteryTugger (EZBT) or EZ-Tugger operates similarly to a standard pallet truck, making it easy to implement into any smallscale operation.

All extraction functions are push-button and electrically powered, limiting the operator's contact with the battery.

The EZBT allows for recharging anywhere household current is available and the external power cord is self-storing when not in use. These features make the EZBT a stand-alone, portable unit that carries a built-in battery and charger to power the electromagnet's push/pull mechanism.

With few moving parts and minimal maintenance requirements, this unit is designed to stand up to the harsh environment of today's battery rooms.



- Positive Braking System- a frame mounted brake prevents push-back during the battery change eliminating the need for retaining chains
- Hand Pallet Truck Integration provides the operator with an industry standard machine that is easy to maneuver

PROSERIES

## MAN ABOARD: BATTERY BULL ELECTRIC (BBE)

#### BATTERY CHANGING SYSTEMS

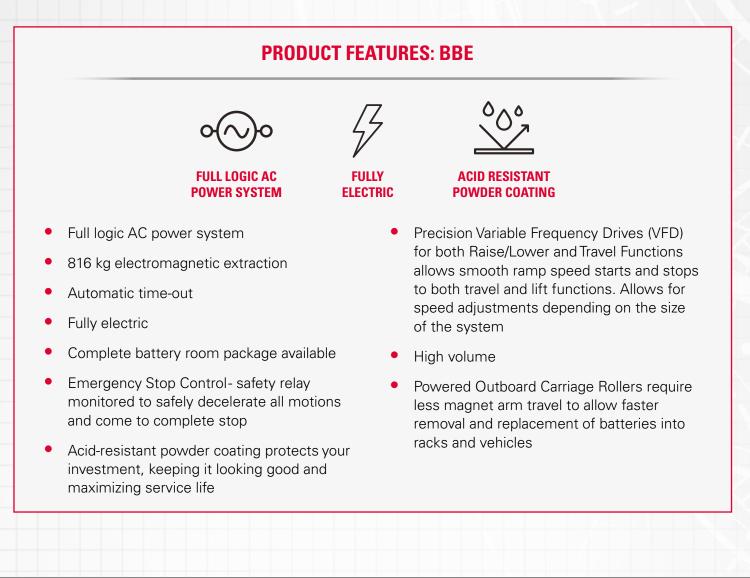
The PRO Series of man-aboard Battery changing systems offer new performance, reliability, and safety levels to support highvolume and high-density battery change requirements. These products are available in various configurations up to 6 levels ensuring maximum uptime and minimum maintenance.



# **BATTERY BULL ELECTRIC**

The man-aboard Battery Bull Electric (BBE) system offers new performance, reliability, and safety. This product is available as a single-level system, up to a 6-level system. An industry first, the BBE is the first fully electric large-scale battery changing system with a fully logic-based AC power system. Non-hydraulic the unit ensures oil leaks and spills are a thing of the past, with the added benefit of reducing servicing requirements by up to 30% and energy consumption by 12%.

Perfect for operations where floor space is at a premium, the BBE is suited for fleets with over 75 batteries with larger setups able to support over 300 batteries.



## MAN ABOARD: BATTERY BULL HYDRAULIC (BBH)

# BATTERY BULL HYDRAULIC

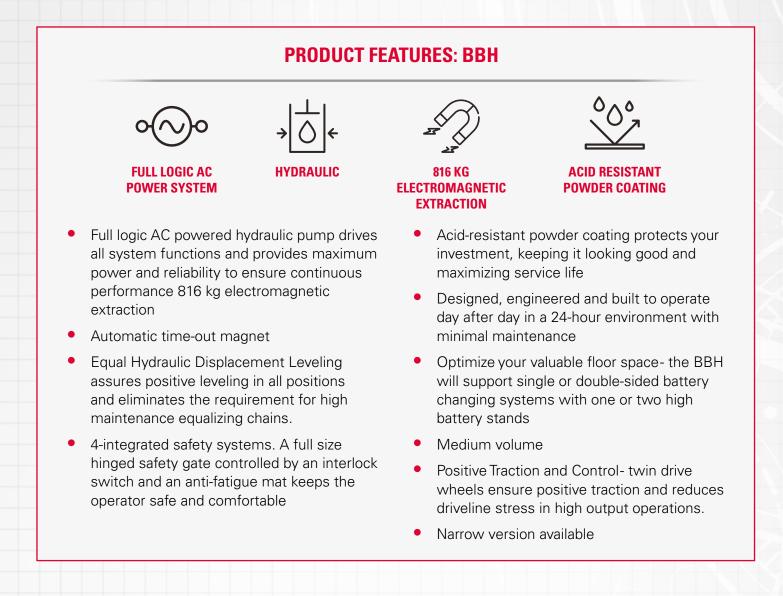
Deliver faster, more consistent, and more accurate battery changes to keep your truck fleet productive.



The Battery Bull Hydraulic (BBH) utilizes a double roller bed configuration and a powerful

electromagnet with a drawbar pull of 816 kg. delivering high throughput while maintaining a small footprint to help save your costly warehouse space. The powered dual roller beds allow for pre-staging and faster changes, while the built-in auto-levelling of the system prolongs component life and simplifies each change.

The BBH system has been proven in many operations worldwide, utilizing its hydraulic drive and lift system to accommodate over 30 batteries ensuring that customers enjoy changing day in and day out.



#### FULLY AUTOMATED SYSTEMS: BATTERY BULL ELECTRIC FULLY AUTOMATIC (BBE-FA)

#### **BATTERY CHANGING SYSTEMS**

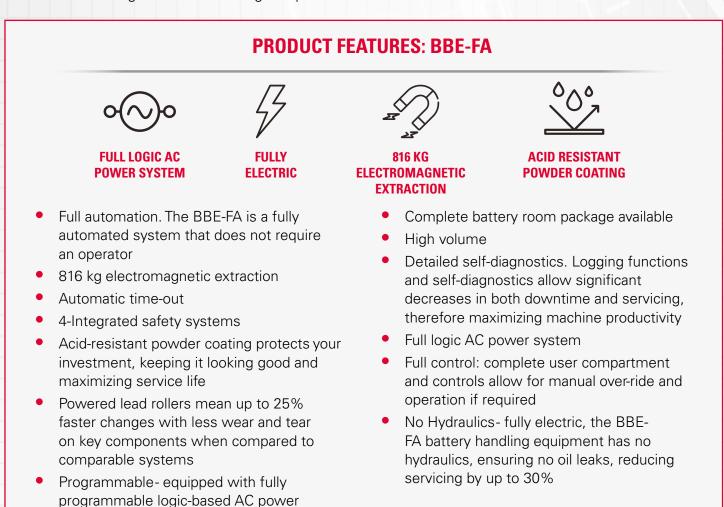
PRO Series fully automated systems are flexible and practical, built to support broad-scale material handling applications. The Battery Bull Electric Fully Automatic (BBE-FA) system leverages PLC logic programming to remove the need for a human operator by employing the same high-efficiency, high performance and lowmaintenance AC power core as the rest of our BBE battery handling equipment range.

systems to provide precise control and responsiveness for faster changes

# BATTERY BULL ELECTRIC FULLY AUTOMATIC



The Automatic Battery Change System uses high-quality sensors to detect lift height, relative start points, and battery position. Not only will it allow companies to redeploy or eliminate valuable labour, lower lifecycle costs, decrease equipment damage and maintain a safer work environment, but this unit is fully capable of changing batteries in most models of conventional lift trucks. This system includes a remote ground-level operator control station coupled with an industrial PC and an HMI that replicates what is displayed on the transfer cart touch screen. This allows complete remote control of the transfer cart and real-time monitoring of the entire change sequence.



### FULLY AUTOMATED SYSTEMS: MINI AUTO CHANGER (MAC)

# **MINI AUTO CHANGER**

stop button

maximizing service life

every 300 hours

The PRO Series Mini Auto Changer (MAC) was developed with Automated Guided Vehicles (AGVs), using a fully integrated PLC control system that provides precise control and responsiveness for faster changes on a smaller scale than the BBE-FA.

Entirely customizable, this unit is fully capable of changing batteries in most models of conventional lift trucks and accommodates 15+ batteries changing at a single level.

Acid-resistant powder coating protects your

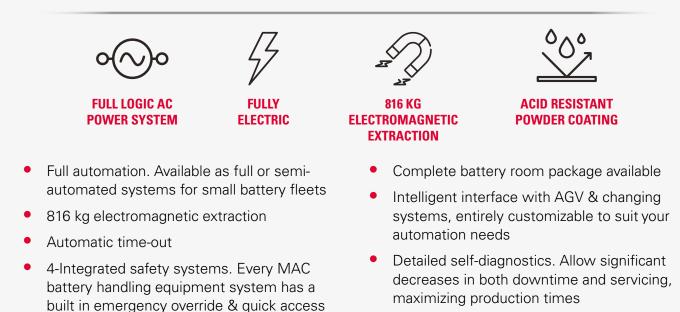
investment, keeping it looking good and

Ultra-low maintenance- servicing required



Every MAC system has a built-in emergency override & quick access stop button to support safe work practices and only requires servicing every 300 hours. The MAC battery handling equipment is perfect for operations needing medium volume fully automatic battery changing.

#### **PRODUCT FEATURES: MAC**



- Full logic AC power system
- Complete user Compartment & Controls allow for manual over-ride and operation if required

## **BATTERY STANDS: BATTERY ROLLER STANDS (BRS)**

PRO Series battery stands are customizable to suit any battery room, a specialized solution for lift-out batterychanging applications. Available in various configurations with a plethora of options, PRO Series battery stands support all battery dimensions and required roll-out heights, tailored to meet the needs of any operation.



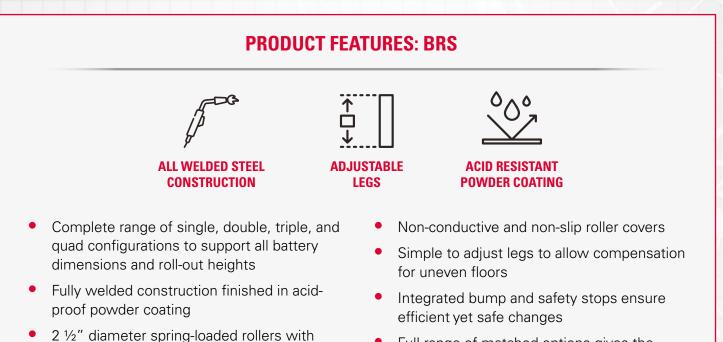
# **BATTERY ROLLER STANDS**

workload

PRO Series Battery Roller Stands (BRS) are industry standard, known worldwide for premium construction and durability. Each roller stand is manufactured to custom specifications which allows operations to match the height of their lift truck battery compartment.

We start with heavy premium gauge structural steel, laser cut to our specifications to support our unique polyethylene-coated, acid-resistant roller system. Each stand is finished in acid-proof powder coating and has a comprehensive range of options, including integrated drip trays, charger shelves, direct ventilation, and cable management systems.

PRO Series range offers multi-level roller stands ranging from 2 to 6 levels, with matched stands available in a full range of widths, depths, and roll-off heights to accommodate any unique application.



Full range of matched options gives the all-steel bearings handle even the heaviest flexibility to meet your changing needs

# STATIONARY BATTERY RACKS

PRO Series Stationary Battery Racks (SBR) are engineered with durability in mind without compromising day-to-day usability.

Based on years of experience, the SBR models are uniquely designed with left-to-right rail alignment – meaning no minimum battery widths or risk of a battery falling through if placed incorrectly.

These rails are sealed steel with a poly sleeve and end cap design for clean electrolyte drainage. With the option of bolt-on charger shelves, integrated ventilation, drips tray, and three standard sizes, the SBR is the ideal choice for any liftout application. It can be tightly integrated into a hybrid lift-out system design or easily incorporated with a custom gantry system.

#### **PRODUCT FEATURES: SBR**



1-YEAR PRODUCT WARRANTY

- Left to right rail alignment ensures the stability of batteries no matter how wide or narrow
- Fully sealed steel-core rail design improves durability and serviceability of your rack
- Finished in acid-proof powder coating to protect your investment
- Available in 3 standard widths 851 mm 1638 mm & 2438 mm with additional custom sizes available upon request



ACID RESISTANT POWDER COATING

- Matched bolt-on or fully welded charger shelves finished in acid-proof powder coating
- Can be neatly integrated into the system with roller stands for hybrid lift-out roll-out environments
- Integrated ventilation option delivers direct and adjustable battery-top extraction during the charging process
- Ventilation kits for direct gas extraction

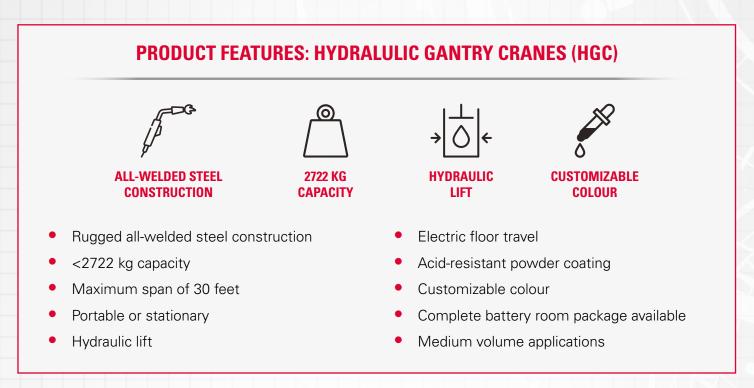
#### **SPECIALITY PRODUCTS:** HYDRAULIC GANTRY CRANES (HGC)

Backed by 35 years of industry expertise, EnerSys has led the industry with exclusive material handling products that solve real-world problems for realworld leaders. Provided by our dedicated manufacturer, our manual or hydraulic gantry cranes come in both fixed and mobile configurations and are designed specifically for our customers and built to improve workplace safety, operational flow, and investment returns.



# **GANTRY CRANES**

PRO Series range of gantry cranes is available in both fixed and mobile configurations with manual and hydraulic drives. Our unique hydraulic drive system uses positive traction on both sides to reduce twisting and frame stress. This only requires a floor guide on one side, allowing better workspace utilization. We also offer solutions for permanent floor mounting, reversed braces, cantilevers or uneven floor requirements.



#### SPECIALITY PRODUCTS: PARK AND CHARGE STANDS (P&CS)

# **PARK & CHARGE STANDS**

Supported by experienced engineers and mechanical professionals, we can offer our customers comprehensive services that include designing custom charging spaces.

Our configurable charger stands are crafted with expertise and attention to detail and built with our customers in mind. From conception to design, testing, and final execution, our park and charge stands can be modified to fit any specific brand of chargers and are designed for simple disassembly, compact shipping and transportation.

## **PRODUCT FEATURES: PARK AND CHARGER STANDS (P&CS)**



CUSTOM DIMENSIONS AVAILABLE



ALL-WELDED CONSTRUCTION

- All-welded construction
- Finished in acid-proof powder coating
- Rear-facing shelves available
- Custom heights and shelf dimensions available



REAR-FACING SHELVES AVAILABLE



ACID PROOF POWDER COATING

• Custom widths up to 96" and 30" deep to support all standard chargers

#### SPECIALITY PRODUCTS: PARK AND CHARGE STANDS (P&CS)

## FLOOR MOUNT CHARGER SHELVES

Supported by a decorated team of engineers we offer customers comprehensive charger stands configurable for any operation.

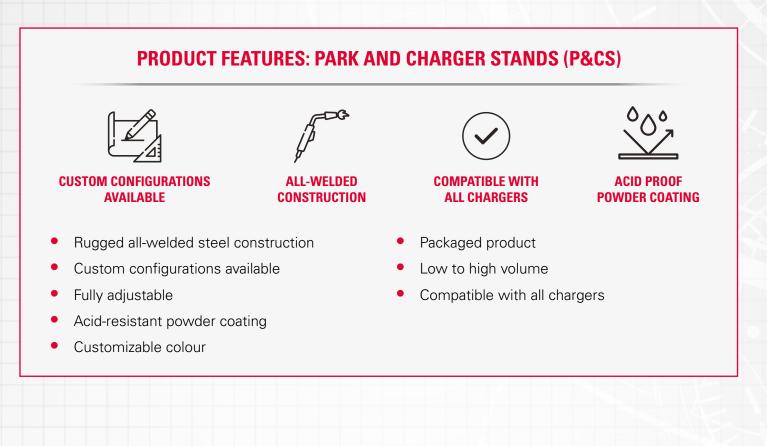
These low-cost charger stands battery handling equipment are designed for simple disassembly, compact shipping and transportation, finished in acid-proof powder coating and built to withstand harsh environments.

A valuable tool for operations of varying sizes, our charger stands offer cost savings from energy efficiency and uptime. When coupled with opportunity charging, reduce fleet size and help operations meet local guidelines and regulations without the additional cost.

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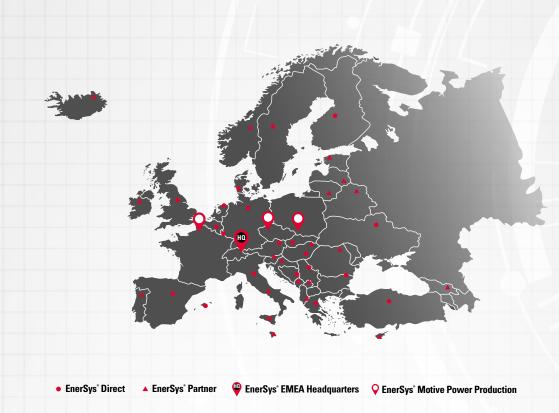
#### ACCESSORIES

We offer a wide array of accessories, including but not limited to floor stops to protect chargers from lift truck collisions, wall mount charger brackets, cable retractors, cable guides and wall brackets.



## ABOUT ENERSYS®

#### **OUR SOLUTIONS PUT TOTAL POWER IN MOTION FOR YOUR BUSINESS**



EnerSys is the global leader in stored energy solutions for industrial applications and designs, manufactures, and distributes energy systems solutions and motive power batteries, specialty batteries, battery chargers, power equipment, battery accessories and outdoor equipment enclosure solutions to customers worldwide.

EnerSys<sup>®</sup> Motive Power solutions form a complete, turnkey power system to make your operations more productive and profitable. Motive Power batteries and chargers are utilized in electric forklift trucks and other industrial electric powered vehicles requiring stored energy solutions.

EnerSys also provides aftermarket and customer support services to its customers in over 100 countries through its sales and manufacturing locations around the world.

Wherever you are in Europe, EnerSys is within reach and ready to support your fleet with 40+ Service locations.

- 24/7 coverage from 150+ authorized service technicians
- Tailored service contracts to your requirements
- Proactive cloud-based monitoring and real-time service scheduling
- Comprehensive maintenance reporting and monitoring plans





Our battery support services range from system design, installation and certification to testing, maintenance and repair.



Our comprehensive recycling support program accepts lead acid batteries of all sizes, from all manufacturers.



Our advanced tools and technologies deliver actionable intelligence to optimize battery maintenance and operation.



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