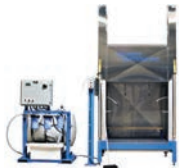


NON-STOP
DURABILITY,
RELIABILITY
AND SAFETY.
SINCE 1897.



SACKETT

Lifting, Stacking, Storing
INNOVATING SINCE 1897



THE BATTERY EXCHANGE EXPERTS



OUR COMPETITION SAYS WE'RE OVER-ENGINEERED. **WE AGREE.** BECAUSE YOUR BUSINESS DEPENDS ON IT.

For more than 100 years we've been building material handling equipment the way it should be built—to last. And that's why there are Sackett battery exchange systems around the world that are 10, 15 and even 20+ years old that still keep operations up and running.

We get the job done right with the highest quality materials and expert craftsmanship so you can get the job done right, with consistent uptimes, longer lifecycles and a lower cost of ownership. Are we over-engineered? Yes, because your business depends on it!

And we back up the industry's best-built systems with the best-built warranty. Rest assured, we've got you covered day in, day out and year after year.

**FACTORY
WARRANTY**

3x3

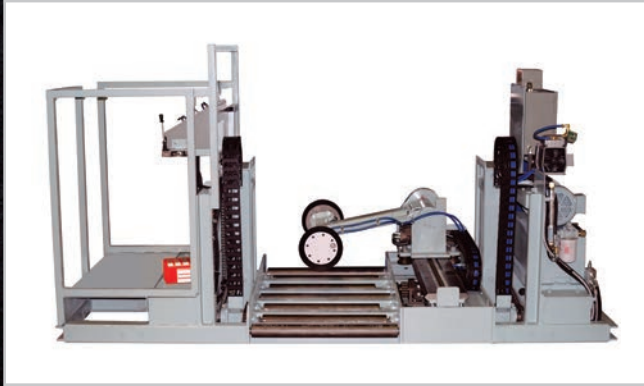
3 YEARS STRUCTURAL COMPONENTS
3 YEARS ALL ROLLERS

BATTERY EXCHANGE SOLUTION GUIDE

Determine which Sackett battery exchange solution is right for your operation.

Number of batteries in storage	Number of changes per day	Battery exchange solution
5 or fewer	5 to 10	Manual Transfer Cart
5 to 20	10 to 20	X-Changer or Powered Transfer Cart
20 to 100+	20 or more	Hydra-Handlers

THIS IS HOW THE BEST RUN COMPANIES STAY UP AND RUNNING.



HYDRA-HANDLER **SUPER**

This narrow footprint, single stack battery changer with one or two compartments can be powered via AC or DC operating voltage. Converting from a narrow aisle changer, manual or pallet jack mounted battery exchange system to the Hydra-Handler Super can cut battery change times in half.

HYDRA-HANDLER **SELECT**

As Sackett's flagship operator-on-board battery handler, the Select features a unique heavy duty rack and pinion extractor arm, 2" (51mm) axles and 10 HP motor for a unit that has field-proven durability and reliability. With industry-leading, built-in safety features and vacuum or magnet extraction, the Hydra-Handler Select can be customized for systems one to 3-high.



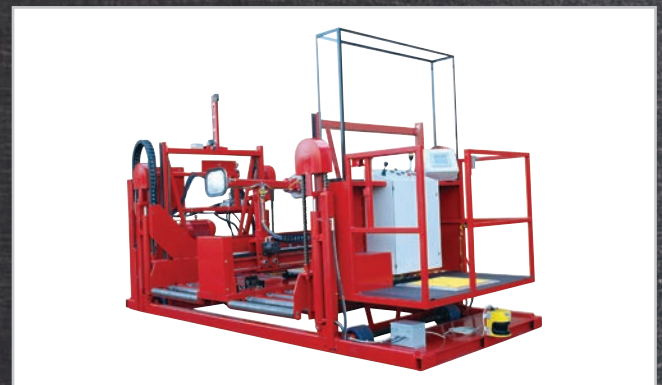
HYDRA-HANDLER **MAX**

With all the quality capabilities of the Hydra-Handler Select, the Max features PLC controlled hydraulic valves which allow for faster lift, smoother starts and stops, easier feathering of the controls and adjustability of the lift and travel functions. The valves also facilitate troubleshooting with built-in indicator lights. The Hydra-Handler Max can be configured for 1-high to 5-high stacking applications and is the ideal Hydra-Handler in high-volume battery changing operations.



HYDRA-HANDLER **ELITE**

Dramatically increase efficiency and reduce labor costs with the Hydra-Handler Elite. Forklift operators are able to safely and quickly change their own batteries while laser photo eyes and ultrasonic sensors eliminate damage to equipment. Battery changes happen faster, because the system automatically travels to pre-programmed battery changing positions. Plus, the First-In, First-Out battery management software maximizes battery life and reduces the amount of batteries and chargers required.



HYDRA-HANDLER FEATURES

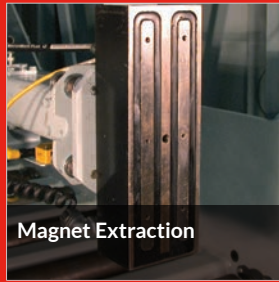
	SUPER	SELECT	MAX	ELITE
Capacity - lbs (kg)	7,000 (3,175)	10,000 (4,536)	10,000 (4,536)	10,000 (4,536)
Electrical Requirements - AC - 460V, 60hz, 3ph, 12A - 35A	●	●	●	●
Industry Leading Floor Slope Requirements - Flat (F _F = 35)	●	●	●	●
Extractor Arm - Heavy Duty with Rack and Pinion Gearing		●	●	●
Extractor Grip - Vacuum or Magnet - lbs (kg)	1,500 (680)*	1,500 (680)	1,500 (680)	1,500 (680)
Roller Deck - Hydra-Handler Will Not Travel When Battery is Extended Outside of Roller Compartment		●	●	●
Extractor Arm - Hydra-Handler Will Not Travel and Arm Will Not Rotate When Arm is Outside of Roller Compartment		●	●	●
Safety Gate - Hydra-Handler Disabled if Safety Gate is Not Closed		●	●	●
Wheel Size - 8" diameter x 6" wide (203mm x 152mm)		●	●	●
- 8" diameter x 4" wide (203mm x 102mm)	●			
Stacking	1	1 - 3	1 - 5	1 - 5
Travel Speed - fpm (mpm)	125 (38)	200 (61)	220 (67)	220 (67)
Lift Speed - fpm (mpm)	8 (2.5)	18 (5.5)	25 (7.6)	25 (7.6)
Axle Diameter - inches (mm)	N/A	2" (51)	2 - 1/4" (57)	2 - 1/4" (57)
Travel/Lift Hydraulics - Direct Hydraulic Valves	●	●		
- Cartridge Solenoid Proportional Valves for Quick Servicing			●	●
Power Unit - Single and Double Stacked - gpm (lpm)	5HP - 6 (23)	10HP - 10 (38)	10HP - 18 (68)	10HP - 18 (68)
- Triple Stacked and Higher - gpm (lpm)		10HP - 10 (38)	15HP - 24 (91)	15HP - 24 (91)
Power Unit Orientation - Vertical		●		
- Horizontal with External Pump for More Efficient Operations and Convenient Servicing	●		●	●
Hydraulic Pump	Gear Pump	HVDP**	HTCP***	HTCP***
Operator Present - Hydra-Handler Disabled if Operator is not in Position	Foot Pedal	Floor Switch	Floor Mat	Floor Mat
Roller Beds - Lift/Right Through Extraction (Power Rollers)	8	8	8	12
Controls - Direct Hydraulic Valves	●	●		
- Allen Bradley PLC Controls and Safety Circuit			●	●
Indicator Lights for Easy Troubleshooting			●	●
Automatic Leveling and Positioning with Ultra-Sonic Sensors and Laser Photo Eyes to Eliminate Equipment Damage and Dedicated Battery Room Operators				●
On-Board Operator Display to Guide Operator Through Changeout Process				●
Integrated First-In First-Out Battery Management System to Improve Battery Rotation and Maximize Battery Life				●
Personnel Laser Detection Devices for Safe Operation of Automatic Equipment				●
Lighted Wand Safety Switches for Intuitive Operator Handling				●

* Represents magnet grip; vacuum grip is 800 lbs (363 kg)

** HVDP - Hydraulic Variable Displacement Pump

*** HTCP - Hydraulic Torque Controlled Pump

HYDRA-HANDLER OPTIONS



Magnet Extraction



Strobe Light with Motion Alarm



On-Board Battery Watering System



Mechanical Flip-Up Battery Stop

Sackett's consultants can work with you to choose the add-ons and applications to perfectly customize your equipment and optimize efficiency, productivity and safety. Also, Hydra-Handler options are always being refined and updated, so please check our website for the latest selection.

Productivity Improvement

- Additional Powered Rollers
- On-Board Battery Watering System
- Battery Management System
- Laser Pointer Guidance
- Limit Switch
- 7" Operator Step

Safety Options

- Key Switch for Operator Lockout
- Mechanical Flip-Up Battery Stop
- Roller Deck Lock
- Strobe Light with Motion Alarm
- SICK Laser Personnel Protection System
- Remote Lowering in Operator Compartment

Special Applications

- 12" Hydraulic Extension Cylinder
- Low Arm Requirement (*Short Batteries*)
- Single Compartment
- Magnetic Extraction
- Maintenance Sensor Package with Touch Screen Display



MULTI-LEVEL BATTERY CHARGING STANDS

Considered the best on the market, Sackett's multi-level charging stands feature quality construction, lasting durability and everyday reliability. Select from 2, 3, 4 and 5-high models.



POWER DISTRIBUTION PANEL

Sackett invented the Power Distribution Panel to help reduce costs of electrical components of battery room installations. The panels also promote organized, tidy and safer operations.



BATTERY MANAGEMENT SYSTEM

Maximize the life of your battery fleet by ensuring First-In First-Out battery rotation. Our battery management offerings range from indicator lights that tell the operator the next battery to use, to bar-coded, web-based systems that let you manage and optimize your battery assets.

Sackett is more than the world's best battery handling equipment. We also have the equipment that supports your entire battery handling operation and keeps it running smoothly. See all of our equipment plus our full line of accessories at sackettsystems.com.



TRANSFER CARTS

All our carts are designed for smooth, easy and safe battery movement. With a variety of manual, pallet jack mounted and fork mounted transfer carts, we have the right one for you.



A-FRAMES

Built for lasting durability, our two-ton and three-ton manual and hydraulically powered A-Frames come with all the features and options needed to make hoisting virtually effortless.



CHARGING STANDS

Constructed of heavy walled, 3 x 3 x 1/4" (76 x 76 x 6.35mm) square tubing, we have single level, wood composite, multi-level and modular multi-level charging stands.



WASH SYSTEMS

Protect your investment with a Sackett Battery Wash System that includes our unique neutralizing cycle. Regular washing and neutralizing reduces or eliminates terminal and cable corrosion as well as dirt and trash build-up on the battery tops.



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The Sackett Systems' sales team is here to provide you with outstanding service. For more information on our equipment, worldwide support services, warranty or battery room modernization solutions, or to schedule a sales consultation, please visit us online or give us a call:

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sackettsystems.com

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