

Mobile Battery Extractor

The Mobile Battery Extractor (MBE) is a self-contained extractor that enables battery change-outs anywhere in a facility. The versatile MBE handles a wide variety of applications and is recommended for up to 50 battery changes per day. Note: 16' (4.88 m) aisle clearance required.



BHS provides custom battery handling equipment to meet any challenge.

Contact us at bhs@bhs1.com to learn more about fully customized solutions for the battery room and beyond.



Mobile Battery Extractor

The Mobile Battery Extractor (MBE) is capable of servicing a variety of trucks due to the wide battery compartment, heavy load capacity, and broad lift-lower range. The MBE is easily maneuvered using the powerhead controls at the rear of the unit, while the convenient, electrical pendant controls the battery extraction and lifting functions.

▶ **EXTENSIVE SERVICE RANGE**

Thirty inches of vertical travel allows the MBE to service a wide fleet range. With the lowest roller height of any powered BHS equipment, the MBE reaches virtually any roller height from 3.5" (89 mm) up to 33.5" (851 mm).

▶ **LARGE COMPARTMENT**

The wide roller compartment holds forklift batteries with widths from 7.5" to 41" (191 mm to 1041 mm).

▶ **HEAVY LOAD CAPACITY**

4,000 lb (1814 kg) and 5,000 lb (2268 kg) capacities are available.

Efficient Forklift Battery Exchange

Our engineers designed the MBE with safety, efficiency, and durability in mind. A pendant control makes operation easy and an Operator Shield separates the roller compartment from staff.

The Mobile Battery Extractor has heavy-duty construction and a powder coat finish for extra durability. We use standard industrial components to ensure the ability to find parts locally. The low-maintenance design keeps operating costs to a minimum.

Rubber Bumpers protect lift trucks and the extractor during change-outs. Compartment rollers, rear friction strips, and a Battery Containment Bar make transporting batteries safe and easy.

Durable Construction
Heavy-duty steel construction and durable powder coat finish resists acid and scratches

Low-Maintenance Design
Low-maintenance design reduces operating costs

Isolated Operator Console
Operator shield separates operator from roller compartment while providing full visibility

Ease of Operation
A hand-held pendant features simple controls for operating the lift/lower and extraction functions of the MBE

Maneuverability
Built-in 24 V dc powerhead eliminates the need for a pallet truck and allows the MBE to travel anywhere with adequate aisle widths. Battery and charger are also built-in for convenience (not applicable to option MBE-LA).

Battery Stability
A combination of compartment rollers and rear friction strips provides increased battery stability during transport

Battery Containment
A steel Battery Containment Bar is used to enclose the compartment and keep the battery secure during transit

Fleet Protection
Rubber Bumpers allow close contact, protecting the industrial lift truck fleet's finish during battery change-out

Hydraulic-Powered Extraction
The powerful extractor arm is hydraulic-powered to push and pull batteries into place using vacuum (standard) or magnetic (optional) extraction.

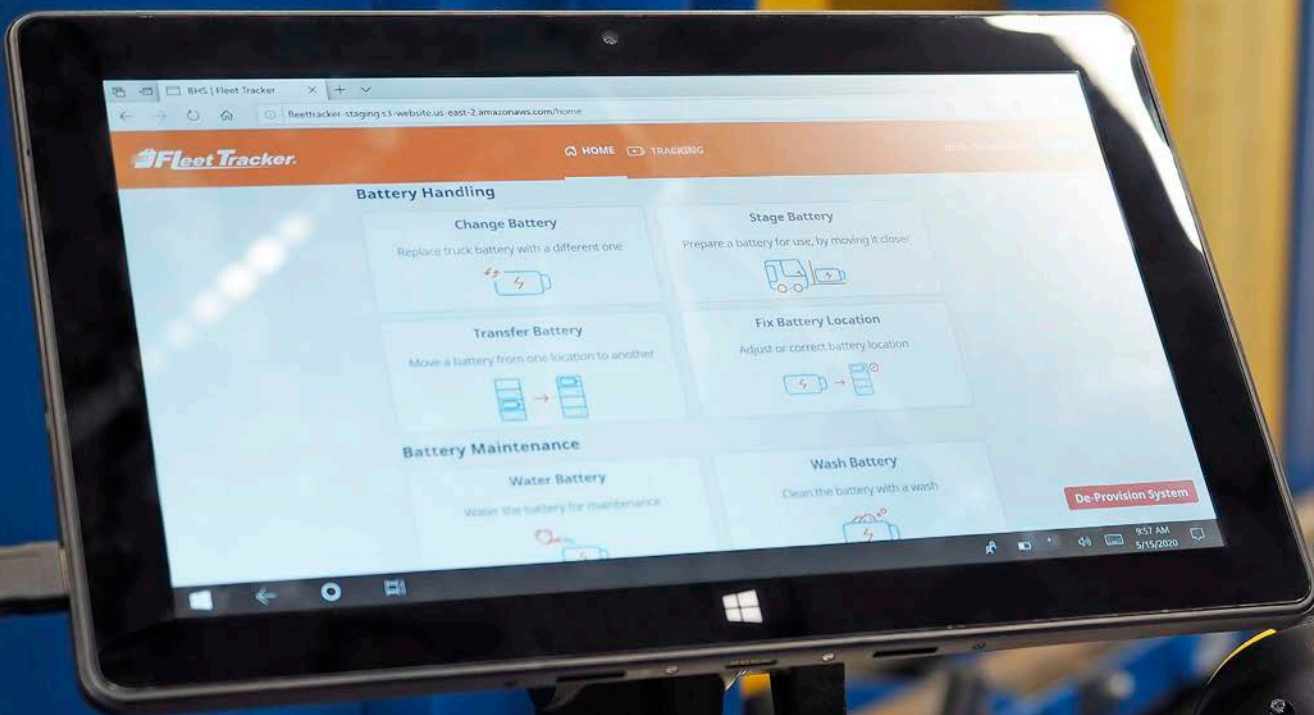
AVAILABLE OPTIONS

Lead Acid Battery (MBE-LA)

Lead acid battery instead of maintenance free battery pack

Magnet Extraction (MBE-MAG)

Ideal when batteries are too narrow for vacuum extraction

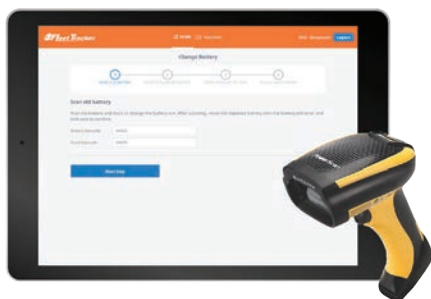


Advanced Battery Fleet Management

STREAMLINE & MONITOR BATTERY ROOM OPERATIONS

BHS Fleet Tracker® is a cloud-based fleet-management system, with detailed reporting that allows users to right-size their fleets for optimal efficiency. Connection to the IIoT allows managers to measure the health of batteries, stands, and trucks by logging into a secured Web Portal.

Fleet Tracker's touchscreen HMI mounted to the Mobile Battery Extractor guides users to charged batteries, posts maintenance reminders, and updates the status of battery assets to the cloud. The Fleet Tracker system improves battery health, improves change-out efficiency, and gives managers the real-time data they need to eliminate waste by matching assets to needs exactly.



- ✔ Reduce Maintenance Costs
- ✔ Increase Productivity
- ✔ Improve Profitability

Ask a BHS Representative for more information on Fleet Tracker.

Models & Specifications

	MBE-42	MBE-42-5
Max. Load Capacity ¹	4,000 lb / 1814 kg	5,000 lb / 2268 kg
Operating Voltage	24 V dc	24 V dc
Hydraulic Pump Type	Gear, Fixed Displacement	Gear, Fixed Displacement
Hydraulic Pump Displacement	1.3 gal/min / 4.9 L/min	1.3 gal/min / 4.9 L/min
Raise / Lower Speed* (maximum)	8.8 ft/min / 9.4 ft/min 0.044 m/s / 0.048 m/s	8.8 ft/min / 9.4 ft/min 0.044 m/s / 0.048 m/s
Battery Attachment	Vacuum Standard, Magnet Optional	Vacuum Standard, Magnet Optional
Vacuum Cup	12" / 305 mm Dia.	12" / 305 mm Dia.
Vacuum	21" Hg / 0.73 kg/cm ²	21" Hg / 0.73 kg/cm ²
Optional Magnet	4" x 12" / 101 mm x 305 mm	4" x 12" / 101 mm x 305 mm
Primary Drive Chain Size	#50	#50
Rated Draw Bar Pull	1,125 lb / 510 kg	1,125 lb / 510 kg
Roller Diameter	2.4" / 61 mm	2.4" / 61 mm
Roller Shaft Size	0.75" / 19 mm Hex	0.75" / 19 mm Hex
Battery Width	7.5" Min / 41" Max 191 mm Min / 1041 mm Max	7.5" Min / 41" Max 191 mm Min / 1041 mm Max
Battery Length	18" Min / 49" Max 457 mm Min / 124 mm Max	18" Min / 49" Max 457 mm Min / 1244 mm Max
Battery Height	21" Min / 32.5" Max 533 mm Min / 825 mm Max	21" Min / 32.5" Max 533 mm Min / 825 mm Max
Overall Dimensions (L x W x H)	108" x 63.5" x 79.5" 2743 mm x 1613 mm x 2019 mm	119" x 63.5" x 79.5" 3023 mm x 1613 mm x 2019 mm
Slide Strip Length	23.5" / 597 mm	23.5" / 597 mm
Roller Width	41.88" / 1064 mm	41.88" / 1064 mm
Extended Arm Reach (Beyond Roller Bed)	10.5" / 267 mm	10.5" / 267 mm
Extractor Arm Travel Speed	22 ft/min / 0.11 m/s	22 ft/min / 0.11 m/s
Service Weight (unloaded)	3,650 lb / 1655 kg	3,840 lb / 1742 kg
Turning Radius	8' / 2.44 m	9' / 2.74 m
Min. Service Aisle	16' / 4.88 m	17' / 5.18 m
Battery Compartment Depth	49" / 1245 mm with Vacuum 45" / 1143 mm with Magnet	49" / 1245 mm with Vacuum 45" / 1143 mm with Magnet
Battery Compartment Width	42" / 1067 mm	42" / 1067 mm
Wheelbase	80" / 2032 mm	93.5" / 2375 mm
Ground Clearance (Inside Frame Elevated 1" / 25 mm)	0.75" / 19 mm (Outside Frame Fixed)	0.75" / 19 mm (Outside Frame Fixed)
Grade Clearance	2%	2%
Floor to Roller Height	3.5" Min / 33.5" Max 89 mm Min / 851 mm Max	3.5" Min / 33.5" Max 89 mm Min / 851 mm Max
Max Travel Speed*	155 ft/min / 0.787 m/s Loaded 200 ft/min / 1.016 m/s Unloaded	155 ft/min / 0.787 m/s Loaded 200 ft/min / 1.016 m/s Unloaded
Controls	5 Button Side Mounted Tethered Pendant	5 Button Side Mounted Tethered Pendant

* Speeds will vary based on loading conditions and charge state of battery.



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