



## *Battery Carts & Carriages* *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.

## **Battery Carts & Carriages**

# **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.

### **Features & Benefits**

- 24 V dc powerhead eliminates need for a pallet truck
- Pendant control for ease of operation
- Hydraulic-powered with vacuum extraction
- Operator Shield separates operator from roller compartment
- Combination of compartment rollers and rear friction strips provides increased battery stability during transport
- Low-maintenance design reduces operating costs
- Built-in battery and charger for convenience
- Standard industrial components allow for local parts availability
- Heavy-duty construction for added reliability
- Durable powder coat finish resists both acid and scratches
- Battery Containment Bar encloses compartment to secure battery during transport
- Lowest roller height of any powered BHS equipment reaching 3.5" (89 mm)
- 4,000 lb (1814 kg) and 5,000 lb (2268 kg) capacities are available
- Rubber Bumpers protect the industrial lift truck fleet during battery change-out

### **Available Models**

**MBE-42**

**MBE-42-5**

### **Available Options**

#### **Lead Acid Battery (MBE-LA)**

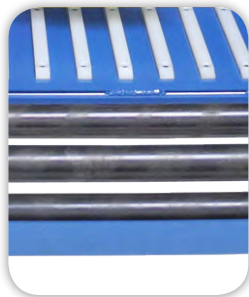
Lead acid battery instead of maintenance free battery pack

#### **Magnet Extraction (MBE-MAG)**

Ideal when batteries are too narrow for vacuum extraction



**Battery Containment Bar**



**Compartment Rollers  
& Rear Friction Strips**



**Operator Shield**



**Pendant Control**



**Powerhead**



**Rubber Bumpers**

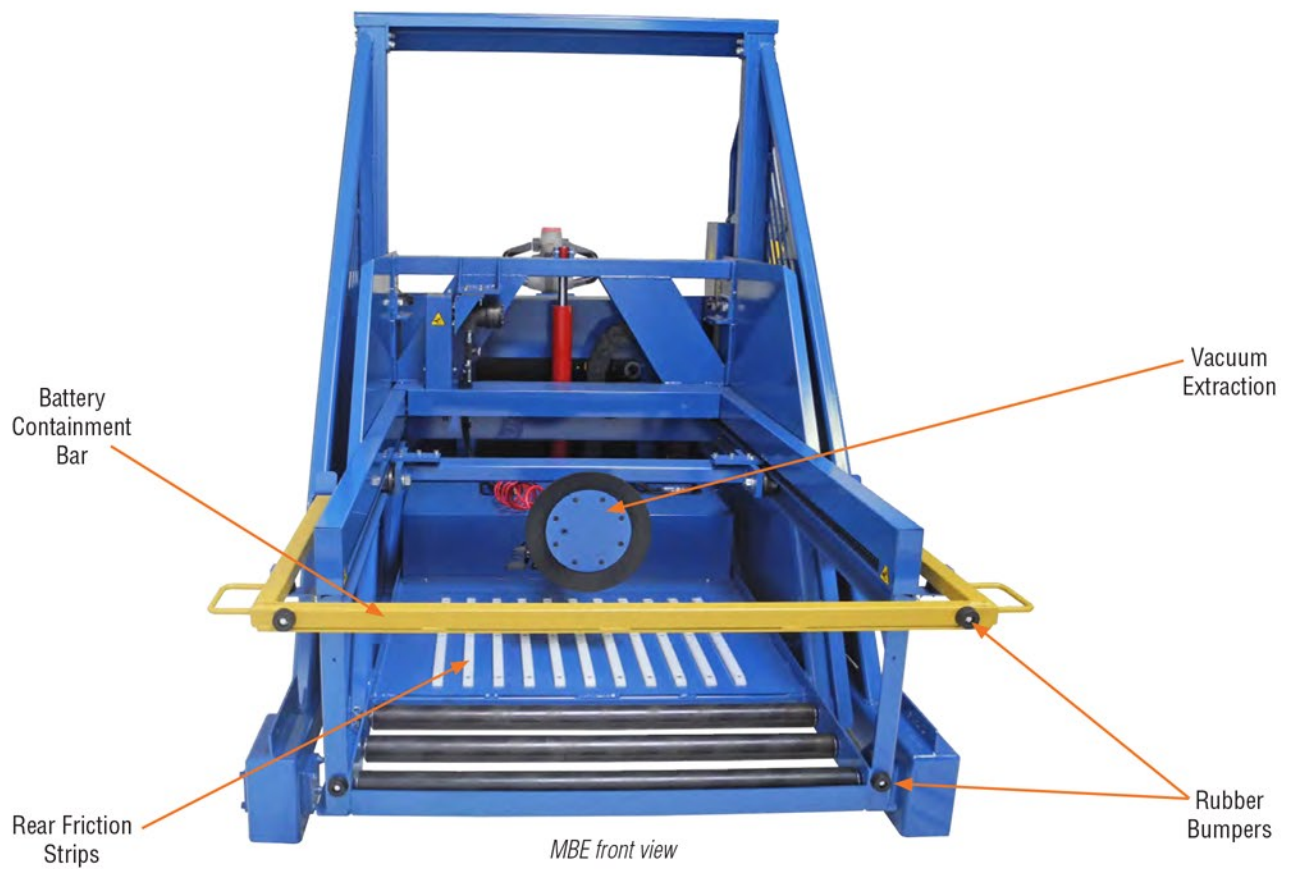


**Vacuum Extraction**

## Standard Features



*MBE side view*



*MBE front view*

## Product Specifications

	MBE-42	MBE-42-5
Max. Load Capacity	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
Pump	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 <sup>2</sup>	21" Hg / 0.73 kg/cm <sup>2</sup>
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



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

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