



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

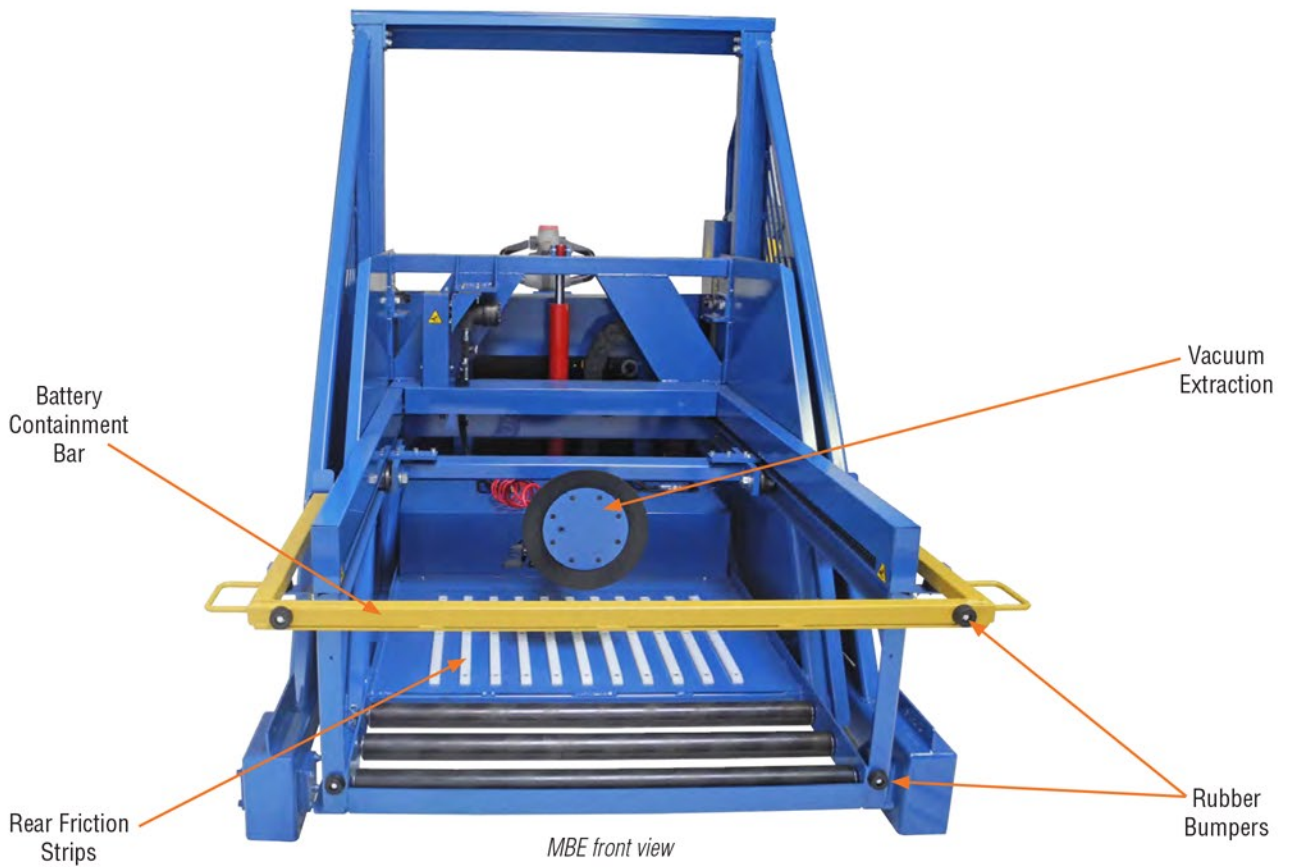


Vacuum Extraction

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 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 |



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

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