

MANIPULATION

battery powered lifting magnets

BM - BMP

BATTERY POWERED LIFTING MAGNETS

Battery lifting magnets for efficient loading, unloading and material handling

BM series for Flat Material handling

BM 1350, BM 2500, BM 5000

These models are designed to lift heavy, thick plates and blocks. The maximum lift capacity is obtained on material thickness of 50 mm and above and on relatively flat, machined surfaces. Model BM 5000 has two independently suspended „2500" magnets to lift large objects.

BM 3600

This model is specially designed for plate lifting from 3 mm thickness and up. Provided a smooth and flat surface, this magnet will lift a plate of 2400 x 1800 mm of 3 mm thick and even 6 x 3 metres when 25 mm thick!

The „Tip-off" feature allows to drop excess plates in case multiple plates are picked up from a stack.

BMP series for flat, rounds and structurals

BMP 1800, BMP 3600

These so-called bi-polar lifting magnets with V-shaped pole shoes are designed to lift both flat and round material as well as I- and H-beams, angles, channels, Tees and Profiles. The maximum lift capacity is obtained on material thickness of 50 mm and above. Thanks to the good depth of field, these models cope very well with irregular surfaces.



Technical Specifications

Model		BM 1350	BM 2500	BM 3600	BM 5000	BMP 1800	BMP 3600
Magnet details		3-pole	3-pole	3-pole	3-pole	2-pole	2-pole
		flat	flat	flat	flat	V-shaped	V-shaped
		1 magnet	1 magnet	1 magnet	2 magnets	1 magnet	1 magnet
Workload limit (WLL)*							
flat material	(kg)	1350	2500	3600	5000	1800	3600
round material	(kg)	-	-	-	-	1100	2200
Tested break-away force	(kg)	2700	5000	7200	10000	3600	7200
Length x Width of base	(mm)	272 x 242	400 x 242	1050 x 240	1200 x 300	470 x 242	760 x 262
Height up to crane hook	(mm)	460	460	460	460	610	620
Weight	(kg)	60	72	180	203	167	420
Built in battery	(V/Ah)	12/30	12/60	12/60	12/60	12/60	12/60
Type of battery		A 512/30 G6	A 512/60 A	A 512/60 A	A 512/60 A	A 512/60 A	A 512/60 A
Discharge time at 50% duty	(h)	8	8	8	8	8	8



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permanent lifting magnets

BM - BMP

BATTERY POWERED LIFTING MAGNETS

Lift and move heavy loads without restraint

Self contained lifting magnets

- Powered by built-in 12 V battery for at least 8 hours of operation
- Hand-held, IR remote control unit allows to operate the lifting magnet from up to 4,5 metres

High degree of safety

- Bail sensor prevents magnet de-energization while lifting a load
- Dual push buttons for RELEASE
- Visual and audible alarms indicate low battery level
- Magnet cannot be turned „ON” if battery charge is too low
- Exhaustive lifting guidelines ensure a double lift capacity with respect to weight of load

High degree of comfort

- Controller/battery enclosure with detachable front and back panel
- Easy access to controller and battery for installation and inspection
- Additional Lift and Release push buttons on front panel
- LED display shows battery charge level when magnet is ON
- Built-in, temperature compensated, automatic cut-off charger
- Pocket to store remote and mains power cord
- Clip on remote allows operator to attach to belt or pocket



Recommended applications

These battery Powered Lifting magnets are extremely useful throughout the plant, around the yard, in receiving and shipping areas, cut-off saws, burning tables and machine tools. They have widespread applications for handling of machined components, die-blocks, smooth castings and forgings, plates, bars, pipes and structurals.

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Biggleswade

A stylized map of the Biggleswade area, showing the location of the company's office. The map is outlined in blue and has a grid pattern. A small blue dot indicates the location of Biggleswade.