



SAFEBAT BATTERY MAGNET

There's nothing safer !



Battery Operated Electro Permanent Magnetic Lifter with Flux Sensing Technology
Real-time monitor of magnetic clamping power generated
Lift Thick or Thin sheet by selection

The Safebat 10 is the first electro permanent magnetic lifter having a real-time display of the magnetic flux generated in the system. The operator can easily know if the load can be lifted safely.

Hall sensor fitted inside calculates the actual magnetic flux generated by the equipment after magnetisation. Sheets from 4 mm thickness can be lifted off the stack individually with precise selection of power.

Under automatic mode, magnetizing and demagnetizing of the Safebat 10 takes place without manual operation.

4 Lifting Capacity Packed in 1
Increased Safety
Ease of Use
Automatic Mode

SARDATM
MAGNETS

! Think Magnet !! Think Sarda !

SAFEBAT BATTERY MAGNET

ELECTRO PERMANENT MAGNET

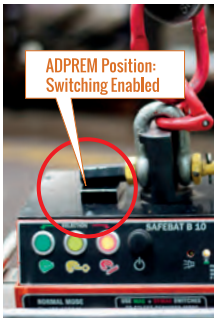
Permanent magnets are aligned and switched such that during ON condition, all the permanent magnets are aligned in the same direction resulting in attraction of the job. During OFF condition, the permanent magnets are aligned in opposite direction making the magnetic surface off.

PATENTED FLUX SENSING TECHNOLOGY

An additional flux sensor is placed at a pocket in the base of the magnet. Using the return path of the magnetic circuit, the sensor accurately measures the clamping power generated in real-time.



ADPREM



Accidental Demagnetisation Prevention Mechanism: A magnetic element is fitted to the D-shackle which is sitting on a slotted hook. When the load is lifted, the magnetic element is away from the magnetic sensor. During this phase, demagnetisation is disabled. Lifted load will not drop even if button is pressed.

AUTOMATIC MODE

The equipment magnetises when placed on the job. Once lifted, moved and placed down, it will demagnetise, releasing the job. This process will be repeated.

Automatic mode can be enabled/disabled by the push buttons provided.



EASE OF USE

The SAFEBAT can be directly hooked to a crane. It does not require any external power source during operation.

The handle bar protects the magnet and enables easy guidance.

RECHARGE

The SAFEBAT is fitted with a 24V 8000 mAh battery, giving approx. 300 lifts between recharge. An external charger is provided which recharges the equipment in 8 hours.

INCREASED SAFETY

During first magnetisation, it switches ON with 70% magnetic power only. Once lifted, the SAFEBAT will magnetise again, giving 30% more magnetic power. It also monitors the magnetic flux in real-time. If the magnetic power generated did not increase in the second magnetisation it will give an error.

LIFTING CAPACITY OF 4 PACKED IN ONE

Using push buttons, change the magnetic power from 1,000 kg to 100 kg. Reduction is required for handling of thin sheets.

FLAT LOAD

Max. Weight	1,000 kg
Max. Size	3,000 x 2,000 mm
Min. Thickness	5 mm

ROUND LOAD

Max. Weight	200 kg
Max. Size	Ø 160 mm
Min. Thickness	8 mm

SIZE

315 x 175 x 225 mm

WEIGHT

35 kg



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