WALKER MAGNETICS
An Industrial Magnetics, Inc. Company

WALKER LIFTING MAGNETS

BUXF BATTERY LIFT MAGNET (FOR FLAT MATERIAL)

These magnets are compact, mobile, self-contained using a heavy duty 12 volt battery. Operating on this battery source they are free of restrictive cords and wires. They also have the added advantage of being useful in areas where electricity is not available.

3:1 Design Factor. 2018 ASME B30.20 BTH-1 Design Category B, Service Class 3

FEATURES:

- Convenient operator push buttons and battery level display on front panel
- I/R remote that operates from up to 15 feet away
  - Single button "GRIP", two-button "RELEASE" operation
  - I/R remote clip allows operators to attach to belt or pocket
  - Additional remote control units available at nominal cost
- 120 Volt AC battery charging port (with cord) includes automatic cut-off to prevent over-charging battery
- Audible warning alarm & flashing light indicate low battery
- Electronic interlock prevents magnet de-energization when suspended in air

WLL - lbs	Overall Length (in)	Magnet Width (in)	Overall Height (in)	Weight w/ Batt. (lbs)	Model No.
3000	21	8-7/8	24-7/8	315	BUXF03000
5500	21	9-5/8	24-7/8	371	BUXF05500
8000	48	9-5/8	25-7/8	688	BUXF08000
11000	60	9-5/8	26-5/8	827	BUXF11000

BUXR BATTERY LIFT MAGNET (FOR FLAT, ROUND OR SHAPED MATERIAL)

The special feature of this battery bi-polar magnet is the unique design of the pole shoe, that enables it to handle a wide variety of structural shapes and rounds.

The BUXR Series Magnet is ideally suited for handling pipe, tubing, bar stock, billets, I beams, H beams, angles, channel, Tees, Zees and pilings. Although the BUXR is specially designed to handle structural shapes and rounds, the bi-polar configuration also lifts plate, forgings and castings. BUXR01665 & BUXR03330 lifting magnets are ideal for loads with a thickness of 1/4" or greater, and diameters between 1 inch and 12 inches.

Rated Lift* (lbs) Plate	Rated Lift* (lbs) Rounds	Overall Length (in)	Magnet Width (in)	Overall Height (in)	Weight w/Batt (lbs)	Model No.
1665	1665	21	9-1/2	30-1/8	461	BUXR01665
3330	3330	30	10-1/2	32-1/2	821	BUXR03330

Consult Operator's Manual, Safety Instructions & Lifting Guidelines for detailed ratings

WALKER MAGNETICS
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WALKER LIFTING MAGNETS

CER ELECTRIC LIFT MAGNET

CER magnets are ideally suited for in-plant handling of steel plate, flat stock, castings, forgings or machined components in all types of industrial plants, machine shops, fabricating shops and steel warehouses.

STANDARD FEATURES:

- Recessed "GRIP-PROOF-RELEASE" push buttons on unit are protected against accidental operation
- Low-carbon steel body for maximum magnetic performance
- Built-in solid-state control circuitry permits operation from 120 Volt AC outlet with 50% duty cycle
- I/R remote that operates from up to 15 feet away
  - Two button "PROOF-GRIP", two-button "PROOF-RELEASE" operation
  - I/R remote clip allows operators to attach to belt or pocket
  - Additional remote control units available at nominal cost
- Flexible coil cord with twist-lock 120 Volt AC plug set supplied standard
- CER emergency battery backup options available – consult Walker Magnetics

OPTIONS:

- Rectifier-only models available (no controls) - Controlled by user's AC power supply.
- Pilot light provided in terminal box for magnet energized indication.
- UPS battery back-up systems (sold separately) available for loss of power situations.
- Available with stainless steel bottom plates for abrasive applications

Rated Lift* (lbs)	Watts	Dia. (in)	Height (in)	Weight (lbs)	Model No.
600	92	5-1/8	11-1/4	22	CER05
1200	135	6-3/4	11-1/4	41	CER07
2400	208	9	11-3/4	90	CER09
4000	420	12	13-5/8	140	CER12
7250	495	16	19-1/2	340	CER16
10500	1050	20	15	575	CER20

*Performance ratings on AISI 1020 steel.
Power required at 115/1/60 supply (watts)

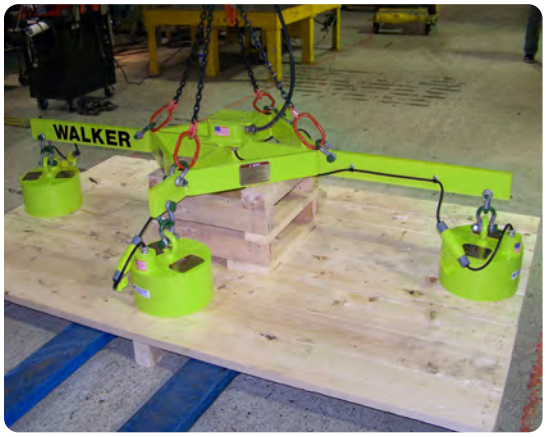
CE ELECTROMAGNETS

The CE series magnets are circular electric lifting magnets that are specially designed for in-plant or outdoor handling of steel plate, bar stock, castings, forgings or machined components in all types of industrial plants, steel warehouses, shipyards and fabricating shops.

These magnets can be used individually or in multiples with different types of suspension systems. We engineer and supply the complete system including power supply, controls and battery back-up.

BENEFITS:

- High strength steel bail
- Low-carbon steel body for maximum magnetic performance
- Heavy-duty, fully moisture-protected coils; 50% duty cycle
- Coiled cord and twist lock adapter for quick connection to DC power source. (magnet controller required)
- Mating twist lock receptacle provided for your installation convenience



Rated Lift* (lbs)	Watts	Dia. (in)	Heights (in)	Mag. Height	Weight (lbs)	Model No.
600	62	5-1/84	7	4	13	CE05
1,200	86	7	8	5	40	CE07
2,400	148	9	8-1/2	5-1/2	80	CE09
4,000	340	12	8-3/4	6	138	CE12
7,250	654	16	16-1/4	7-3/4	295	CE16
10,500	1050	20	17-3/8	8-7/8	530	CE20

*Performance ratings on AISI 1020 steel.
Power required at 115/1/60 supply (watts)

Beams, controls, and engineering services available for turn-key systems & solutions.

SHEET LIFT SYSTEMS

MAGNETIC SHEET LIFT SYSTEMS

The Magnetic Sheet Lifter de-stacks steel sheets from pallets, racks and more. The unique design of this permanent magnetic lifting system allows one person to safely and effectively move and load sheets onto cutting tables, shear beds and other fabrication equipment. The Magnetic Sheet Lifter features a series of adjustable position permanent magnet lifting heads to lift a wide variety of sheet lengths and widths. Push button controls activate the air cylinders located on the magnetic heads. Once activated, the cylinders lift the magnets up into a housing and release the sheet in its desired location.

APPLICATIONS:

- Stacking and destacking sheet steel
- Loading shears, punch presses, press brakes and burn tables
- Moving sheets/plates from pallets or racks to work stations

BENEFITS:

- Allows one person to safely move sheet steel
- Reliability of a permanent magnetic lift with the On/Off capabilities similar to an electromagnet
- Fail-safe design (No battery backup required)
- Adjustable magnet positions lift a wide variety of sheet lengths and widths.
- Operates without the heat build up of electromagnets
- Won't drop load due to power outages or system air loss
- Only requires shop air for operation

FEATURES & SPECIFICATIONS:

- Transporter® Technology Magnets
- Structural tube framework
- Durable, welded construction
- Pneumatic release buttons on handles
- Adjustable magnet head assembly locations
- Pneumatic control valve provided
- 1/2 NPT inlet fittings
- Filter regulator with pressure gauge

OPTIONS:

- Adjustable magnet positions are available to accommodate a wide variety of sheet lengths and widths
- Low profile designs
- Custom controls and hoist integrations
- Custom safety equipment integrations

For more information on this product, contact us by phone, email or visit our website to request a Sheet Lifter Tech Sheet.

SHEET & SMALL PLATE LIFT SYSTEMS

FEATURES & SPECIFICATIONS:
- Rare Earth Lift Magnets
- Durable, welded construction
- Spring-mounted for load compliance
- Four-legged bridle
- Structural framework

AIR ACTUATED - PERMANENT MAGNETIC SHEET LIFTER SYSTEMS

The Magnetic Sheet Lifter de-stacks steel sheets from pallets, racks and more. The unique design of this permanent magnetic lifting system allows one person to safely and effectively move and load sheets onto cutting tables, shear beds and other fabrication equipment.

The Magnetic Sheet Lifter features a series of permanent magnetic lifting heads to lift a wide variety of sheet lengths and widths. On-board or remote controls are provided to control pneumatic cylinders that are located on the magnetic heads. Once activated, the cylinders move the magnets in a housing and grip or release the sheet from or to its desired location.

FEATURES & SPECIFICATIONS:
- Rare Earth Transporter® Magnets
- Structural framework
- Durable, welded construction
- Pneumatic control valve(s) provided
- Filter regulator with pressure gauge
- Double acting compact cylinders

OPTIONS:
- Custom handle and release mechanism configurations for specific applications
- Special designs for customer specified sheet sizes or blanks
- Magnet configuration for destacking
- Load sensor for fail/safe release operation
- Mounting plates to match robot EOAT

CUTTING TABLE LOADING/CLEARING

CUTTING TABLES

IMI's Automation Group and Walker Brand cutting table systems allow you to load and unload cut parts quickly and efficiently. Quick parts removal eliminates idle machine time.

- Total or selective coverage
- Efficient loading of plates, and unloading pieces and skeleton for burning operations
- Quick parts removal eliminiates idle machine time
- Engineered for safe handling based on your specific plate/sheet size range specifications

Cutting table magnet systems are the easiest, fastest and most economical way to load plate onto a cutting table and then after cutting, to unload cut parts and the skeleton, in one step.

USED IN:
- Flame cutting
- Plasma cutting
- Waterjet cutting
- Laser cutting

BENEFITS:
- No need to use grabs and chains
- Efficient loading of plates
- Efficient unloading of individual pieces and skeletons
- Total or selective coverage
- Quick parts removal eliminates idle machine time

AIR-ACTUATED PLATE LIFTER FOR CLEARING A CUTTING TABLE IN ONE PASS

AIR ACTUATED FEATURES & SPECIFICATIONS:
- Rare Earth Transporter® Magnets
- Structural framework
- On-Board compressor
- Pneumatic control valve(s) provided
- Integration with hoist radio control
- Double acting compact cylinders

TOTAL-COVERAGE SERIES MAGNETS

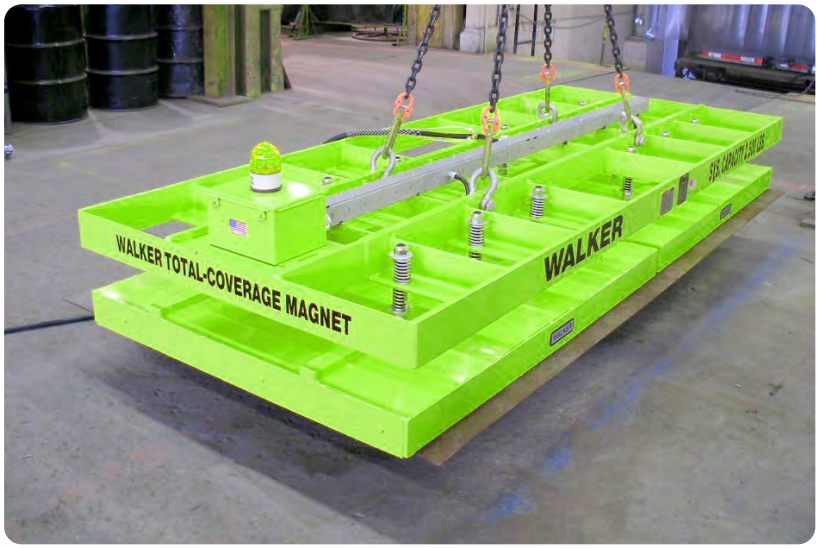
The new Walker Total-Coverage Series Magnets are designed to meet the special material handling needs required in precision flame, plasma and laser cutting table operations. The TC-Series Magnet will load plates up to 1.75" thick and after burning, unload cut parts and skeletons in a single lift. After unloading, it is possible to separate the skeleton from the cut parts.

Walker TC-Series Magnets eliminate time consuming handling of grabs and chains when you load and unload your burning table. Unlike mechanical methods, magnetic handling allows you to clear cut parts, unload skeletons and reload with new plates quickly, efficiently, and safely. This eliminates costly idle machine time, which translates into increased production.

The TC-Series is available in many standard and custom sizes.

Example: 4 ft. x 8 ft. to 8 ft. x 30 ft.

USED IN:
- Special material handling needs required in precision flame, plasma, and laser cutting table operations.
- Loading plate and then after cutting, unload cut parts and skeleton in one step.
- Parts can also be separated from the skeleton to improve the sorting process.



WALKER MAGNETICS
An Industrial Magnetics, Inc. Company

WALKER HEAVY PLATE HANDLING & LIFTING

RL SERIES

USA M.A.D.E.

Rectangular RL Series Magnets are designed to lift plates, slabs and billets of all sizes. Found in shipyards, metal working plants and service centers moving large plates to and from cutting tables, fabricating areas, welding departments and receiving and shipping areas. RL's can be used individually or in multiples with different types of suspension systems. IMI engineers can supply the complete system including spreader beam, powersupply, controllers, remote systems, special safety features and battery back-up systems.

APPLICATIONS:

- Single Plate Lifting (destacking)
- Multiple Plate Lifting
- Hot Plate Lifting
- Various Suspension Options
  - Standard Beams, Telescopic Beams, Tilting Systems

OPTIONS:

- Voltages: 115 or 230 VDC
- Copper wound coils and Class "H" Insulation
- Fully welded heavy duty magnet case
- 50% Duty Cycle - Standard
- 75% Duty Cycle - Optional
- 100% Duty Cycle - Optional
- Waterproof outlet box & lead cables
- Flux Enhancement Pole Configurations
- Wireless or wired controls

MAGNET HEAD SPECIFICATIONS

Width (in.)	Length (in.)	Rated Lift Capacity (lbs)*	Power Consumption (WATTS)	Weight (lbs.)
8	16	0 - 3,500	400	150
	24	0 - 5,000	550	225
	32	0 - 7,000	725	300
	40	0 - 8,750	950	350
	48	0 - 10,000	1,000	400
12	24	0 - 8,000	700	325
	36	0 - 12,000	1,150	425
	48	0 - 16,000	1,250	600
	60	0 - 20,000	1,750	800
	72	0 - 23,500	2,300	1,000
	84	0 - 27,000	2,500	1,200

Width (in.)	Length (in.)	Rated Lift Capacity (lbs)*	Power Consumption (WATTS)	Weight (lbs.)
16	32	0 - 14,000	1,300	800
	48	0 - 21,000	2,000	1,400
	64	0 - 28,000	2,600	1,800
	80	0 - 35,000	3,300	2,200
20	40	0 - 21,000	2,250	1,400
	60	0 - 31,500	3,200	2,200
	66	0 - 34,500	3,500	2,400
	80	0 - 42,000	4,500	2,850
	100	0 - 52,500	5,500	3,250
26	48	0 - 39,000	3,100	2,400
	60	0 - 49,500	3,800	2,900

WALKER MAGNETICS
An Industrial Magnetics, Inc. Company

LIFTS FOR TUBES, STRUCTURAL PROFILES & BUNDLES

BUNDLE MAGNETS

USA M.A.D.E.

Walker Bundle Lifting Magnets are used for a wide range of applications in all areas of the steel industry. They are frequently used in the production and handling of angles, channels, flats, I-beams, pilings, rebar, rounds and tubing.

OPTIONS:
- Steel Mills
- Metal Working
- Service Centers
- Warehouses
- Shipping and Receiving
- Fabricating Areas
- Shipyards

Benefits:
- Handle bundles quicker
- Reduce dunnage cost
- Reduce manpower
- Increase storage capacity
- Safer working environment
- Can be used with fixed beams, rotating beams and expandable beams

POPULAR BUNDLE MAGNETS					
BI-POLAR SERIES			**GRABBER SERIES**		
SIZE	AMPS @ 230 VDC	WT (lbs.)	SIZE (in.)	AMPS @ 230 VDC	WT (lbs.)
13x33	9	1,350	24x36	15	2,750
16 x 30	15	2,000	24 x 42	18	3,200
18 x 30	16	2,250	24 x 48	20	3,650
18 x 45	24	3,350	24 x 60	27	4,750

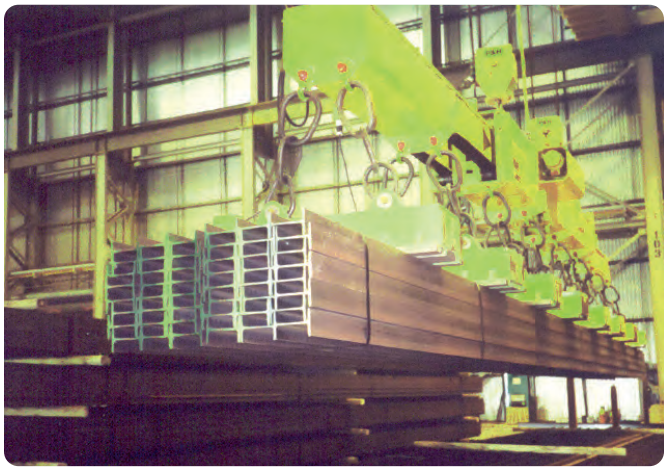
Deep Field Designs
Copper Wound Coils
Class H Insulation
Duty Cycles 50%, 75% or 100%
Hot Work Designs Available
Customized Pole Shoes to Maximize Magnetic Efficiency

LIFTS FOR TUBES, STRUCTURAL PROFILES & BUNDLES

TUBES

Lift Magnets include a wide range of Permanent, Battery Powered and Electro Magnets. These magnets handle a variety of plates, shapes and rounds.

BUNDLES, SHAPES AND STRUCTURAL PROFILES



WALKER MAGNETICS
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LIFTS FOR HOT PLATES & BILLETS

HOT PLATES

These magnets are designed to move hot steel directly from the cooling bed with no downtime. Time spent waiting for hot steel to cool down is wasted time. So is time spent handling steel with mechanical methods. With Heatmaster® Steel Mill Magnets, there's no wasted time. Hot steel can be moved quickly and easily, from the moment it leaves the casting bed.

Walker Heatmaster® Magnets utilize state-of-the-art materials and design features. During our years of experience in designing and building steel mill magnets, we have perfected several methods of coping with heat. For handling hot steel at up to 260ºC (500ºF.). Heatmaster® Magnets have a special double bottom with an air space between the inner and outer bottom plates. The coil is isolated from the high temperatures by an air space, so hotter materials can be handled for longer periods of time without damage to the coil or the insulation system.

When the need to handle higher temperature material increases, IMI adds additional features based on a computerized thermal analysis. This thermal analysis has given our magnet design engineers the ability to vary the parameters and elements which effect the magnet's operating temperature.

Walker incorporates other special features into Heatmaster® Magnets, including 100% duty cycle operation, cooling fins, and proprietary insulation materials. Heatmaster® Magnets built with these unique design features run "cool" in extreme conditions.

BENEFITS:

- Different models for different temperature ranges
- No external cooling required
- No hassles due to fans, radiators or waterlines
- 75% and 100% Duty cycle operation
- Welded watertight design
- Special proprietary insulation utilized for layer-to-layer, turn-to-turn, coil-to-case insulation
- Alloy steel lift chains or solid bails, as required
- Heavy manganese steel bottom plate
- Heavy-duty fabricated available

WALKER HEAVY LIFTING

HEATMASTER SERIES

MOVE HOT STEEL DIRECTLY FROM THE COOLING BED WITH NO DOWNTIME. Different Models For Different Temperature Ranges No External Cooling Required, No Maintenance Hassles due to Fans, Radiators or Waterlines.

- 75% and 100% duty cycle operation
- Welded watertight design
- Special proprietary insulation utilized for layer-to-layer, turn-to-turn, coil-to-case insulation
- Alloy steel lift chain or solid bails as required
- Heavy manganese steel bottom plate
- Heavy-duty fabricated and construction

ELECTRO PERM MAGNETS

Walker Magnetics has been designing and manufacturing electropermanent devices since 1960. These magnets utilize permanent magnet material surrounded by an electrically powered coil. DC current is applied to the coil in order to magnetize and demagnetize the magnetic material. Once this current activates the magnet material, it becomes magnetic indefinitely with no loss of strength over time. In other words, electrical current can be completely removed with no reduction in the magnetic force available.

FEATURES:

- Cold Operation
- Cycle Time
- Safer Holding

BI-POLAR SERIES LIFTING MAGNETS

Handling of bundles of pipe, tubing, rebar, bar stock, plate, structural shapes, castings, forgings, and coiled strips.

Bi-polar magnets lift directly from the center of the load, so no aisle room is required to sling or maneuver a hook into the eye. Loads can be stacked as high as the crane allows.

Walker Magnetics offer 2 styles of bi-polar magnets depending on the technical needs.

WALKER MAGNETICS
An Industrial Magnetics, Inc. Company

LIFTS FOR COILS & LARGE BILLETS

BILLETS

Walker provides heavy steel mill duty magnets for handling hot or cold, billets, slabs, and rail. Walker billet and rail handling magnets are available in a wide range of sizes to accommodate your application. Because the majority of our magnets are welded, fabricated designs, we can customize the size as well as many optional features.

There are two basic magnetic circuits that we use in the designing and building of these magnets: the well recognized "grabber" three-pole design and the "bi-polar" two-pole design.

The Grabber Magnet was developed to help mills that were having difficulty lifting full layers of billets due to the air gaps between the magnet's face and the billets. These gaps are not unusual in normal steel mill production and it was time-consuming to make return trips to retrieve bent billets that were not lifted the first time. Walker engineers designed billet magnets with very high penetrating power that are able to "snap-up" the bent billets, making full, dynamic lifts.

The Grabber Magnet is most efficient for ambient temperature billet handling, but can easily be supplied with Walker's Heatmaster features for handling billets at elevated temperatures.

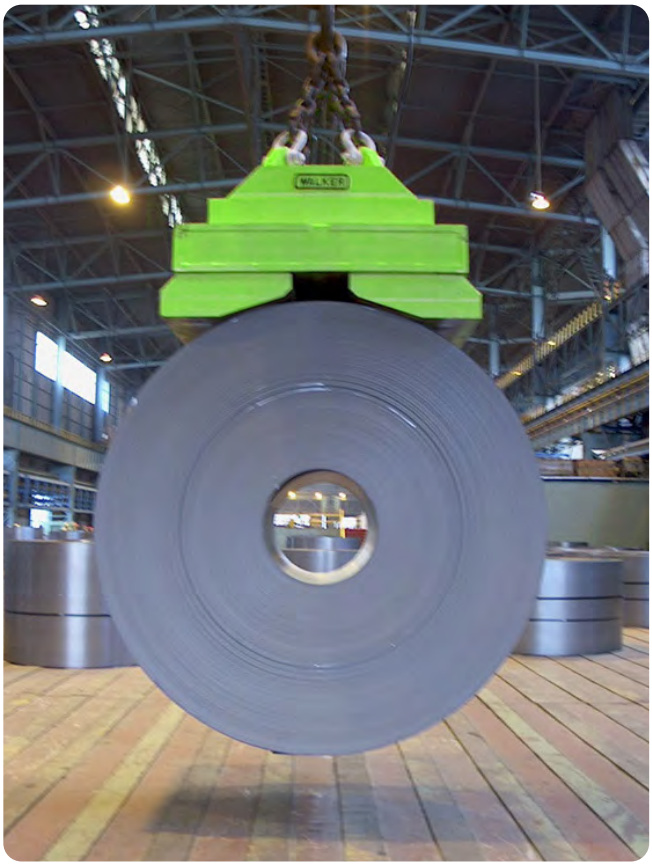
The bi-polar design has all of the high powered penetrating ability of the Grabber style lifting magnets but has proven to have superior heat resistant capabilities due to the location and attitude of the coil. These magnets are generally taller and heavier than the equivalent capacity Grabber style magnet, but these features contribute to the advantages that these magnets have for higher temperature steel handling.

COILS

Walker Lift Magnets are the easiest, fastest and most economical way to lift and handle steels coils. Since the magnet is in contact and holding only the top of the coil, potential coil damage is virtually eliminated. We have the ability to lift coils in the vertical or horizontal orientation.

USED IN:
- Annealing shops
- Metal Working
- Service Centers
- Warehouses
- Shipping and Receiving
- Fabricating Areas

BENEFITS:
- No damage to coils while handling
- Only one operator is needed – freeing up man power
- Less storage area is needed – reducing floor space
- Electromagnet and Electro-Permanent magnets are available



SCRAP LIFTING MAGNETS

The Scrapmaster III Series has been designed specifically to fit the needs of scrap processing operations. From a utilitarian 40" to a giant 100", magnet diameters and weights were selected to maximize the lifting capabilities of standard scrap handling cranes. The high lift-to-weight ratio of these magnets allows the movement of more and heavier scrap.

The Scrapmaster III Series magnet has a rugged ribbed case, heavy-duty manganese bottom plate, welded watertight construction and tough alloy steel chains for maximum durability. All elements are designed for top operating efficiency, with deadweight engineered out.

SPECIFICATIONS								LIFTING CAPACITY (lbs.)		
Model	Dia.	Approx. wt. (lbs.)	D.C. Voltage	Amps (cold)	Generator (KW)	Controller (amps)	Minimum Cable Size	#1 Heavy Melting	#2 Heavy Melting	Steel Turnings
40D	40"	1,800	230	35	10	50	#8	0 - 900	0 - 600	0 - 375
45DSH	45"	2,700	230	43	10	50	#8	0 - 1,500	0 - 1,030	0 - 480
48D	48"	2,900	230	58.5	15	75	#8	0 - 1,750	0 - 1,160	0 - 600
54DSH	54"	4,150	230	63	15	75	#6	0 - 2,560	0 - 1,660	0 - 730
57D	57"	4,400	230	75	20	75	#6	0 - 2,700	0 - 1,800	0 - 850
63DSH	63"	6,180	230	82	20	100	#4	0 - 3,970	0 - 2,580	0 - 1,230
66D	66"	6,400	230	91	30	100	#4	0 - 4,100	0 - 2,750	0 - 1,350
69DSH	69"	8,000	230	99	30	100	#4	0 - 4,520	0 - 3,000	0 - 1,360
72D	72"	8,300	230	113	30	125	#4	0 - 4,700	0 - 3,150	0 - 1,500
78D	78"	10,300	230	126	30	150	#2	0 - 5,700	0 - 3,800	0 - 2,000
87D	87"	12,500	230	168.5	40	175	#2	0 - 6,825	0 - 4,550	0 - 2,600
92D	92"	15,400	140	218	40	220	#2	0 - 8,500	0 - 5,660	0 - 3,000

SCRAPMASTER D/DSH MAGNETS

USA M.A.D.E.

Lifting, capacities are based on optimum conditions. Variables in the materials or magnetic system can affect performance. Material description based on specifications for iron and steel scrap published by the Institute of Scrap Recycling Industries.

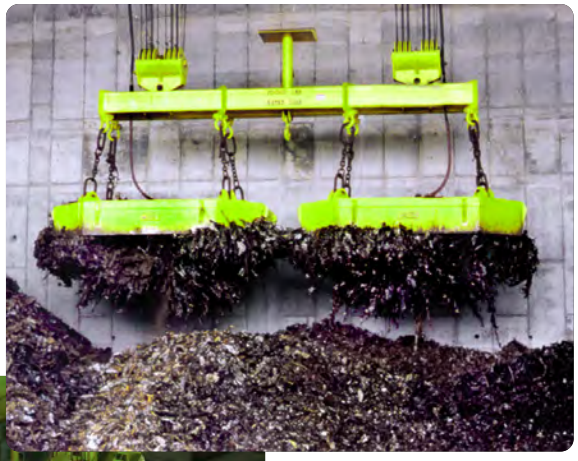
- 75% duty cycle standard
- Steel Mill Operations
- Foundry Operations
- Scrap Yard Processing
- Waste Processing
- Crop Pit Applications
- Under Water Applications
- Burn Table Applications
- Manufacturing Scrap Waste Handling
- Fabrication Scrap Waste Handling
- Demolition Clean Up
- Hot Works Available

WALKER MAGNETICS
An Industrial Magnetics, Inc. Company

RLSD SCRAP MAGNETS

RLSD SERIES STEEL MILL MAGNETS

Rectangular shaped scrap handling magnets are the newest development from Walker Magnetics. Designed to lift large volumes of scrap in and out of confined areas, these powerful magnets are becoming the standard in melt shops around the world. Extra heavy-duty construction with unique Multiple Bumper Perimeter Plates and resilient manganese steel bottom plates make this the toughest scrap magnet ever! Available in a wide variety of sizes, these tough welded RLSD's operate cool 24 hours per day, 7 days per week.



- Scrap Yard Processing
- Rail Car loading/unloading
- Barge loading/unloading
- All welded heavy duty construction
- Manganese steel bottom plate
- 75% duty cycle
- Cooling operating
- Class H insulation
- Powerful deep field design
- Quick disconnect lead assembly
- Precision wound Aluminum Coil
- Precision wound Copper Optional

MILLMASTER "D" SERIES

EXTRA HEAVY DUTY, DEEP-FIELD AND EXTRA DEEP-FIELD MODELS

Millmaster® "D" is a special series of heavy duty lifting magnets designed for steel mill use. For added impact resistance, a rugged ribbed case is cast from a special high-strength alloy steel that combines high strength and magnetic permeability. The special bottom plate is wear resistant manganese steel with an extra-heavy cross section. The case has welded watertight construction and utilizes tough alloy steel chains. Millmaster®D is available in standard, deepfield, and extra deep field strengths. Models are offered with Aluminum Coils or Copper Coils. All elements are specially engineered and designed for ultimate lifting performance with mechanical strength. The result is a lifting magnet that sets the standards for performance, endurance, and reliability. From heavy duty chain through high temperature insulation to specially-designed-and built winding hubs, Millmaster®D technology offers every insurance against costly downtime.

- 75% Duty Cycle
- Maximum slag/slab/dropball capacity
- Extra rugged cast steel case
- Larger pole shoes
- Triple sealed terminal box
- Heavy manganese steel bottom plate
- Alloy steel chains for greater life and durability

LIFT MAGNET SYSTEM CONTROLS

SSC CONTROL MASTER

The Solid State Controller (SSC) is compatible with all electromagnets. It includes the option to have infinitely variable power control. These controllers have fanning/dribble options and are radio control compatible. Reduced initial power (RIP) safety feature included on all standard models. They are lighter than traditional magnet controls. Outdoor enclosures are available upon request. Multiple magnet selection options are also available upon request along with multi-drive options for independent operation.

- Enhanced magnet performance
- Infinitely variable power control available
- Reduced maintenance
- Solid state digital design
- AC line circuit breaker disconnect
- Fanning/dribble
- Radio control compatible
- Reduced cycle time (faster lift/faster drop)
- Compatible with all electro magnets
- Smaller and lighter than traditional magnet controls
- Magnet "ON" indicator light
- AC noise suppression circuit
- Runs cooler
- Type 12 enclosure with forced air - standard
- Type 3R, 4 and 4X enclosure available
- Magnet temperature monitor alarm available
- Multiple magnet selection available
- Multiple drive option available
- Reduced initial magnet power feature standard

BATTERY BACK-UP SYSTEM

Battery Back-Up Units are used to provide 20 minutes of emergency power to the magnets in the event of an interruption of power to the crane. The Battery Back-Up System is designed for use with the SSC Controlmaster Solid State Digital Power Converter/Magnet Controller and Traditional Walker PCCU Controller. This unit provides a highly regulated charging system that never requires adjustment in the field to provide maximum battery life with minimal maintenance. The charging system monitors both the charging voltage and the charging current. A PLC monitors the data and keeps the batteries at the correct float voltage regardless of line fluctuations. Outdoor enclosures are available upon request.

- PLC based solid state controls for reduced maintenance and ease of troubleshooting
- Continuous voltage monitoring
- Continuous current monitoring
- Door mounted: charging indicator light, charger fault light, magnet-on-batteries indicator light, horn silence push button, battery voltmeter, and battery ammeter
- Diagnostic circuitry and feedback
- Remote mounted 98dB alarm sounds to indicate magnet-on-batteries and fault conditions
- Optional remotely mounted display section
- Type 12 enclosure with louvers, Type 3R, 4, and 4X available
- Door mounted battery disconnect switch

CUSTOM CONTROL OPTIONS

All controls can be customized for individual needs.